

CIDMA Members Scientific Production included in the WEB OF SCIENCE
(online academic citation index provided by Thomson Reuters)
From 2007 to 2011 (484 entries in these five years)

Bibliographic Reference	Accession Number (Web of Science Number)	Publication Year (2007, 2008, 2009, 2010 or 2011)
<u>Obs: The CIDMA members names are underlined</u>		
<u>CASTRO, L. P.</u> , NATROSHVILI, D. and STRATIS, I. G.: Wave scattering by an elastic obstacle with interior cuts. Mathematische Nachrichten (2007), 280, 996-1013.	WOS:000248183800006	2007
<u>CASTRO, L. P.</u> and KAPANADZE, D.: On wave diffraction by a half-plane with different face impedances. Mathematical Methods in the Applied Sciences (2007), 30 (5), 513-527.	WOS:000244790900002	2007
<u>NOLASCO, A. P.</u> and <u>CASTRO, L. P.</u> : A Duduchava-Saginashvili's type theory for Wiener-Hopf plus Hankel operators. Journal of Mathematical Analysis and Applications (2007), 331 (1), 329-341.	WOS:000245870800026	2007
<u>BOGVERADZE, G.</u> and <u>CASTRO, L. P.</u> : Invertibility properties of matrix Wiener-Hopf plus Hankel integral operators. Mathematical Modelling and Analysis (2008), 13 (1), 7-16.	WOS:000255053800003	2008

BOGVERADZE, G. and CASTRO, L. P.: On the Fredholm index of matrix Wiener-Hopf plus/minus Hankel operators with semi-almost periodic symbols. (Operator Algebras, Operator Theory and Applications), Operator Theory: Advances and Applications (2008) Vol. 181, 143–158.	WOS:000256384300005	2008
BOGVERADZE, G. and CASTRO, L. P.: Toeplitz plus Hankel operators with infinite index. Integral Equations and Operator Theory (2008), 62 (1), 43-63.	WOS:000259272500004	2008
CASTRO, L. P. and KAPANADZE, D.: Diffraction by a strip and by a half-plane with variable face impedances (Operator Algebras, Operator Theory and Applications), Operator Theory: Advances and Applications (2008) Vol. 181, 159-172.	WOS:000256384300006	2008
CASTRO, L. P. and KAPANADZE, D.: Diffraction by a union of strips with impedance conditions in Besov and Bessel potential spaces. Mathematical Modelling and Analysis (2008), 13 (2), 183-194.	WOS:000256392100003	2008
CASTRO, L. P. and KAPANADZE, D.: Dirichlet-Neumann-Impedance boundary value problems arising in rectangular wedge diffraction problems. Proceedings of the American Mathematical Society (2008), 136 (6), 2113-2123.	WOS:000253818300025	2008
CASTRO, L. P. and KAPANADZE, D.: The impedance boundary-value problem of diffraction by a strip. Journal of Mathematical Analysis and Applications (2008), 337 (2), 1031-1040.	WOS:000253172000023	2008
CASTRO, L. P. and KAPANADZE, D.: Wave diffraction by a 45 degree wedge sector with Dirichlet and Neumann boundary conditions. Mathematical and Computer Modelling (2008), 48 (1-2), 114-121.	WOS:000255953900011	2008
CASTRO, L. P. and KAPANADZE, D.: Wave diffraction by a strip with first and second kind boundary conditions: the real wave number case. Mathematische Nachrichten (2008), 281 (10), 1400-1411.	WOS:000260413100003	2008
DE CASTRO, L. P., DUDUCHAVA, R. and SPECK, F.-O.: Solvability of Singular Integro-Differential Equations with Multiple Complex Shifts. Complex Analysis and Operator Theory (2008), 2 (2), 327-343.	WOS:000264179500007	2008
BOGVERADZE, G. and CASTRO, L. P.: INVERTIBILITY CHARACTERIZATION OF WIENER-HOPF PLUS HANKEL OPERATORS VIA ODD ASYMMETRIC FACTORIZATIONS. Banach Journal of Mathematical Analysis (2009), 3 (1), 1-18.	WOS:000272240400001	2009

CASTRO, L. P. and NOLASCO, A. P.: A SEMI-FREDHOLM THEORY FOR WIENER-HOPF-HANKEL OPERATORS WITH PIECEWISE ALMOST PERIODIC FOURIER SYMBOLS. <i>Journal of Operator Theory</i> (2009), 62 (1), 3-31.	WOS:000270115000001	2009
CASTRO, L. P., PESETSKAYA, E. and ROGOSIN, S.: Effective conductivity of a composite material with non-ideal contact conditions. <i>Complex Variables and Elliptic Equations</i> (2009), 54 (12), 1085-1100.	WOS:000279290500003	2009
CASTRO, L. P. and RAMOS, A.: HYERS-ULAM-RASSIAS STABILITY FOR A CLASS OF NONLINEAR VOLTERRA INTEGRAL EQUATIONS. <i>Banach Journal of Mathematical Analysis</i> (2009), 3 (1), 36-43.	WOS:000272240400004	2009
CASTRO, L. P. and SILVA, A. S.: Invertibility of Matrix Wiener-Hopf plus Hankel Operators with Symbols Producing a Positive Numerical Range. <i>Zeitschrift Fur Analysis Und Ihre Anwendungen</i> (2009), 28 (1), 119-127.	WOS:000262847500008	2009
CASTRO, L. P. and SIMOES, A. M.: Fredholm Analysis for a Wave Diffraction Problem with Higher Order Boundary Conditions on a Union of Strips. In: TODOROV, M. D. C. C. I. (Ed.) <i>Application of Mathematics in Technical and Natural Sciences</i> . (AIP Conference Proceedings), 2009, Vol. 1186. pp. 49-56.	WOS:000280467600004	2009
CASTRO, L. P. and SIMOES, A. M.: On the Solvability of a Problem of Wave Diffraction by a Union of a Strip and a Half-Plane. In: TODOROV, M. D. C. C. I. (Ed.) <i>Application of Mathematics in Technical and Natural Sciences</i> . (AIP Conference Proceedings), 2010, Vol. 1301. pp. 85-96.	WOS:000287048200009	2010
CASTRO, L. P. and SILVA, A. S.: Fredholm Index Formula for a Class of Matrix Wiener-Hopf Plus and Minus Hankel Operators with Symmetry. (<i>Integral Methods in Science and Engineering, Vol 1: Analytic Methods</i>), 2010, 95-104	WOS:000290915800010	2010
CASTRO, L. P. and SILVA, A. S.: Wiener-Hopf plus Hankel Operators with Almost Periodic Symbols on Weighted Lebesgue Spaces. In: TODOROV, M. D. C. C. I. (Ed.) <i>Application of Mathematics in Technical and Natural Sciences</i> . (AIP Conference Proceedings), 2010, Vol. 1301. pp. 77-84.	WOS:000287048200008	2010
BOGVERADZE, G. and CASTRO, L. P.: Fredholm Characterization of Wiener-Hopf-Hankel Integral Operators with Piecewise Almost Periodic Symbols. (<i>Integral Methods in Science and Engineering, Vol 1: Analytic Methods</i>), 2010, 65-74.	WOS:000290915800007	2010
CASTRO, L. P. and KAPANADZE, D.: Exterior Wedge Diffraction Problems with Dirichlet, Neumann and Impedance Boundary Conditions. <i>Acta Applicandae Mathematicae</i> (2010), 110 (1), 289-311.	WOS:000275459000020	2010

CASTRO, L. P., CHEN, Q. and SAITOH, S.: Source inversion of heat conduction from a finite number of observation data. <i>Applicable Analysis</i> (2010), 89 (6), 801-813.	WOS:000278817400001	2010
CASTRO, L. P. and PESETSKAYA, E.: A transmission problem with imperfect contact for an unbounded multiply connected domain. <i>Mathematical Methods in the Applied Sciences</i> (2010), 33 (4), 517-526.	WOS:000275526400017	2010
CASTRO, L. P. and RAMOS, A.: Hyers-Ulam and Hyers-Ulam-Rassias Stability of Volterra Integral Equations with Delay. (<i>Integral Methods in Science and Engineering, Vol 1: Analytic Methods</i>), 2010, 85-94	WOS:000290915800009	2010
CASTRO, L. P. and ROJAS, E. M.: Bounds for the Kernel Dimension of Singular Integral Operators with Carleman Shift. In: TODOROV, M. D. C. C. I. (Ed.) <i>Application of Mathematics in Technical and Natural Sciences. (AIP Conference Proceedings)</i> , 2010, Vol. 1301. pp. 68-76.	WOS:000287048200007	2010
CASTRO, L. P. and ROJAS, E. M.: Explicit solutions of Cauchy singular integral equations with weighted Carleman shift. <i>Journal of Mathematical Analysis and Applications</i> (2010), 371 (1), 128-133.	WOS:000280121500010	2010
CASTRO, L. P. and ROJAS, E. M.: Invertibility of Singular Integral Operators with Flip Through Explicit Operator Relations. (<i>Integral Methods in Science and Engineering, Vol 1: Analytic Methods</i>), 2010, 105-114.	WOS:000290915800011	2010
CASTRO, L. P., DUDUCHAVA, R. and KAPANADZE, D.: Electromagnetic scattering by cylindrical orthotropic waveguide irises. <i>Georgian Mathematical Journal</i> (2011), 18 (1), 99-120.	WOS:000290741200008	2011
CASTRO, L. P. and ROJAS, E. M.: On the Solvability of Singular Integral Equations with Reflection on the Unit Circle. <i>Integral Equations and Operator Theory</i> (2011), 70 (1), 63-99.	WOS:000289487300003	2011
Caetano, A. M.; Lopes, S. & Triebel, H., A homogeneity property for Besov spaces, <i>Journal of Function Spaces and Applications</i> , 2007, 5, 123-132	WOS:000250202700002	2007
Caetano, A. M.; Gogatishvili, A. & Opic, B., Sharp embeddings of Besov spaces involving only logarithmic smoothness, <i>Journal of Approximation Theory</i> , 2008, 152, 188-214	WOS:000256988800006	2008

Caetano, A. M. & Lopes, S., Homogeneity, non-smooth atoms and Besov spaces of generalised smoothness on quasi-metric spaces, <i>Dissertationes Mathematicae</i> , 2009, 1-44	WOS:000271319800001	2009
Almeida, A. & Caetano, A. M., Generalized Hardy spaces, <i>Acta Mathematica Sinica-english Series</i> , 2010, 26, 1673-1692	WOS:000280841200006	2010
Almeida, A. & Caetano, A., Real Interpolation of Generalized Besov-Hardy Spaces and Applications, <i>Journal of Fourier Analysis and Applications</i> , 2011, 17, 691-719	WOS:000295514900008	2011
Caetano, A., On the type of convergence in atomic representations, <i>Complex Variables and Elliptic Equations</i> , 2011, 56, 875-883	WOS:000299695000003	2011
Caetano, A.; Gogatishvili, A. & Opic, B., Compact embeddings of Besov spaces involving only slowly varying smoothness, <i>Czechoslovak Mathematical Journal</i> , 2011, 61, 923-940	WOS:000299705600007	2011
Caetano, A. M.; Gogatishvili, A. & Opic, B., Embeddings and the growth envelope of Besov spaces involving only slowly varying smoothness, <i>Journal of Approximation Theory</i> , 2011, 163, 1373-1399	WOS:000295063500002	2011
Caetano, A. M. & Lopes, S., Spectral theory for the fractal Laplacian in the context of h-sets, <i>Mathematische Nachrichten</i> , 2011, 284, 5-38	WOS:000286917700002	2011
Caetano, A. M. & Lopes, S., The fractal Dirichlet Laplacian, <i>Revista Matematica Complutense</i> , 2011, 24, 189-209	WOS:000286434700010	2011
S. Aizicovici, N. S. Papageorgiou and V. Staicu: Degree theory for operators of monotone type and nonlinear elliptic equations with inequality constraints, <i>Memoirs of the American Mathematical Society</i> , 2008; 70 pp; softcover, Volume: 196, ISBN-10: 0-8218-4192-0, ISBN-13: 978-0-8218-4192-1	WOS:000260714800001	2008
N. S. Papageorgiou and V. Staicu: The method of upper-lower solutions to nonlinear second order differential inclusions, <i>Nonlinear Anal.</i> 67(2007), 708-726.	WOS:000246772400004	2007

N. S. Papageorgiou and <u>V. Staicu</u> : Multiple solutions for strongly resonant periodic systems, <i>Nonlinear Analysis</i> , 67(2007), 1895-1907.	WOS:000247404600021	2007
S. Aizicovici, N. S. Papageorgiou and <u>V. Staicu</u> : Multiple nontrivial solutions for nonlinear periodic problems with the p-Laplacian, <i>J. Differential Equations</i> , 243(2007), 504-535.	WOS:000252285300018	2007
S. Aizicovici and <u>V. Staicu</u> : Multivalued evolution equations with nonlocal initial conditions in Banach spaces, <i>Nonlinear Differential Equations and Applications</i> , 14(2007), 361-376.	WOS:000251319600007	2007
N. S. Papageorgiou, <u>E. Rocha</u> and <u>V. Staicu</u> : A multiplicity theorem for hemivariational inequalities with p-Laplacian like differential operator, <i>Nonlinear Anal.</i> , 69(2008), 1150-1163.	WOS:000257905800008	2008
N. S. Papageorgiou, <u>S. R. Andrade Santos</u> and <u>V. Staicu</u> : Three nontrivial solutions for the p-Laplacian with a nonsmooth potential, <i>Nonlinear Anal.</i> 68(2008), 3812-3827.	WOS:000256503800019	2008
M. E. Filippakis, N. S. Papageorgiou and <u>V. Staicu</u> : Eigenvalue problems for nonlinear elliptic equations with unilateral constraints, <i>Nonlinear Anal.</i> , 69(2008), 85-109.	WOS:000256952200008	2008
N. S. Papageorgiou and <u>V. Staicu</u> : Multiple nontrivial solutions for Doubly resonant periodic problems, <i>Canadian Math. Bulletin</i> . 53(2010), 347-359.	WOS:000278429400018	2010
S. Aizicovici, N. S. Papageorgiou and <u>V. Staicu</u> : The spectrum and an index formula for the Neumann p-Laplacian and multiple solutions for problems with crossing nonlinearity, <i>Discrete and Continuous Dynamical Systems</i> , 25(2009), 431-456.	WOS:000267797500002	2009
N. S. Papageorgiou, <u>E. Rocha</u> and <u>V. Staicu</u> : Multiplicity theorems for superlinear elliptic problems, <i>Calc. Var. Partial Differential Equations</i> , 33(2008), 199-230.	WOS:000256909400004	2008
N. S. Papageorgiou, <u>E. Rocha</u> and <u>V. Staicu</u> : On the existence of three nontrivial smooth solutions for nonlinear elliptic equations, <i>Journal of Nonlinear and Convex Analysis</i> , 11(2010) .	WOS:000281707800010	2010

N. S. Papageorgiou, S. R. Andrade Santos and V. Staicu: Nontrivial solutions for nonvariational quasilinear Neumann problems, <i>Topological Meth. Nonlinear Anal.</i> 36(2010), 39-60.	WOS:000282480800004	2010
N. S. Papageorgiou, S. R. Andrade Santos and V. Staicu: On the existence of nontrivial solutions for resonant Neumann problems, <i>Journal of Nonlinear and Convex Analysis</i> , 9(2008), 351-360.	WOS:000267534800003	2008
S. Aizicovici, N. S. Papageorgiou and V. Staicu: Existence of multiple solutions with precise sign information for superlinear Neumann problems, <i>Ann. Mat. Pura Appl.</i> , 188(2009), 679-715.	WOS:000269996900009	2009
S. Aizicovici, N. S. Papageorgiou and V. Staicu: Multiple positive solutions for a p-Laplacian Dirichlet problem with superdiffusive reaction, <i>Houston J. Math.</i> , 36(2010), 313-333	WOS:000276308000021	2010
M. E. Filippakis, N. S. Papageorgiou and V. Staicu: Positive Solutions for Nonlinear Periodic Problems, <i>Positivity</i> , 12(2008), 733--750.	WOS:000260220600012	2008
N. S. Papageorgiou, S. R. Andrade Santos and V. Staicu: Eigenvalue problems for hemivariational inequalities, <i>Set-Valued Analysis</i> , 16(2008), 1061-1087.	WOS:000262125700014	2008
S. Aizicovici and N. S. Papageorgiou and V. Staicu: On a p-superlinear Neumann p-Laplacian equation <i>Topological Meth. Nonlinear Anal.</i> , 34(2009), 111-130.	WOS:000269865700007	2009
S. Aizicovici and N. S. Papageorgiou and V. Staicu: Existence and multiplicity of solutions for resonant nonlinear Neumann problems, <i>Topological Meth. Nonlinear Anal.</i> , 35(2010), 235-252.	WOS:000278833700003	2010
S. Aizicovici and N. S. Papageorgiou and V. Staicu: Nonlinear resonant periodic problems with concave terms, <i>J. Math, Anal. Appl.</i> , 375(2011), 342-364.	WOS:000284293600032	2011
S. Aizicovici, N. S. Papageorgiou and V. Staicu, Three nontrivial solutions for the p-Laplacian Neumann problems with a concave nonlinearity near the origin, in <i>Nonlinear Analysis and Optimization I: Nonlinear Analysis</i> , (Editors: Arie Leizarowitz, Boris Mordukhovich, Itai Shafrir, Alexander Zaslavski), Contemporary Mathematics series of the Amer. Math. Soc., vol. 513, 22-42, 2010.	WOS:000282108700002	2010

S. Aizicovici and N. S. Papageorgiou and <u>V. Staicu</u> : Positive solutions for nonlinear periodic problems with concave terms, J.Math, Anal. Appl., 381(2011), 866-883.	WOS:000241510000035	2011
E.M. Rocha and <u>M.M. Rodrigues</u> , The speed of reaction-diffusion-convection wavefronts in nonuniform media, Numerical Analysis and Applied Mathematics Book Series: AIP CONFERENCE PROCEEDINGS, (2007), Volume 936, Pages: 666-669	WOS:000250405200165	2007
<u>Rodrigues Manuela</u> , Singular perturbation analysis for convection-diffusion-reaction equation on nonuniform media, INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, (2008) Volume: 85 Issue: 3-4 Pages: 613-622	WOS:000254347200025	2008
E.M. Rocha and <u>M.M. Rodrigues</u> , Exact and Approximate Solutions of Reaction-Diffusion-Convection Equations, MATHEMATICAL MODELS IN ENGINEERING, BIOLOGY AND MEDICINE Book Series: AIP Conference Proceedings, (2009) Volume: 1124 Pages: 304-313	WOS:000268091000032	2009
Neto B, <u>Rodrigues MM</u> , <u>Rocha EA</u> , Andre PS, Stability Analysis of Raman Propagation Equations, ICTON: 2009 11TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, (2009) VOLS 1 AND 2 Pages: 1359-1362	WOS:000274048000364	2009
E.M. Rocha and <u>M.M. Rodrigues</u> , On approximate solutions to the wavefront speed of reaction-diffusion-convection problem in nonuniform media, ASYMPTOTIC ANALYSIS, (2010) Volume: 66 Issue: 1 Pages: 51-59	WOS:000272736900004	2010
<u>Rodrigues MM</u> , <u>Rocha EM</u> , The Convergence Analysis of the Decomposition Method for the (1+1)-Parabolic Problem in Nonuniform Media, ACTA APPLICANDAE MATHEMATICAE, (2010) Volume: 112 Issue: 3 Pages: 299-308	WOS:000285069200004	2010
<u>V. Staicu</u> (Editor): Differential Equations, Chaos and Variational Problems, Birkhauser, Basel, 2007, 435 p., Hardcover, ISBN: 978-3-7643-8481-4.	WOS:000267414800033	2007
N. S. Papageorgiou, A. I. Santos Coelho Rodrigues and <u>V. Staicu</u> : On resonant Neumann problems: multiplicity of solutions, Nonlinear Anal., 74(2011), 6487-6498.	WOS:000293784500061	2011
Alexandre Almeida, Stefan Samko, Pointwise inequalities in variable Sobolev spaces and applications, ZEITSCHRIFT FUR ANALYSIS UND IHRE ANWENDUNGEN, 2007, 26, 179-193	WOS:000248643400003	2007

Alexandre Almeida, Javanshir Hasanov, Stefan Samko, Maximal and potential operators in variable exponent Morrey spaces, GEORGIAN MATHEMATICAL JOURNAL, 2008, 15, 195-208	WOS:000258826100001	2008
Alexandre Almeida, Humberto Rafeiro, Inversion of the Bessel potential operator in weighted variable Lebesgue spaces, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, 2008, 340, 1336-1346	WOS:000253133400050	2008
Alexandre Almeida, Stefan Samko, Embeddings of variable Hajlasz-Sobolev spaces into Hölder spaces of variable order, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, 2009, 353, 489-496	WOS:000265224900002	2009
Alexandre Almeida, Stefan Samko, Fractional and Hypersingular Operators in Variable Exponent Spaces on Metric Measure Spaces, MEDITERRANEAN JOURNAL OF MATHEMATICS, 2009, 6, 215-232.	WOS:000267395200006	2009
Alexandre Almeida, Peter Hästö, Besov spaces with variable smoothness and integrability, JOURNAL OF FUNCTIONAL ANALYSIS, 2010, 258, 1628-1655	WOS:000273638300007	2010
Jianqing Chen; Eugenio M. Rocha, Four solutions of an inhomogeneous elliptic equation with critical exponent and singular term, NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, 2009, Vol: 71, 4739-4750,	WOS:000269140700046	2009
Jianqing Chen; Eugenio M. Rocha, Sharp constant for a 2D anisotropic Sobolev inequality with critical nonlinearity, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, 2010, Vol: 367, 685-692,	WOS:000276524700030	2010
Jianqing Chen, On the inhomogeneous nonlinear Schrodinger equation with harmonic potential and unbounded coefficient, CZECHOSLOVAK MATHEMATICAL JOURNAL, 2010, Vol: 60, 715-736,	WOS:000280595300010	2010
Jianqing Chen; Eugenio M. Rocha, Existence of stable standing waves and instability of standing waves to a class of quasilinear Schrodinger equations with potential, DYNAMICS OF PARTIAL DIFFERENTIAL EQUATIONS, 2011, Vol: 8, 89-112,	WOS:000292456200002	2011
Ehrhardt, T.; Nolasco, A.P.; Speck, F.O., Boundary Integral Methods for Wedge Diffraction Problems: the angle $2\pi/n$, Dirichlet and Neumann Conditions, OPERATORS AND MATRICES, 2011, 5 (1), 1-39	WOS:000288406500001	2011

Carvalho, A.: Fractal geometry of Weierstrass-type functions, FRACTALS-COMPLEX GEOMETRY PATTERNS AND SCALING IN NATURE AND SOCIETY, Fractals (2009), 17 (1), 23-37.	WOS:000262616300003	2009
CHEN, J., PAPAGEORGIU, N.S., ROCHA, E.M.: TWIN POSITIVE SOLUTIONS FOR SINGULAR NONLINEAR ELLIPTIC EQUATIONS. Topological Methods in Nonlinear Analysis, 35 (1), 2010, 187-201.	WOS:000275736300011	2010
PAPAGEORGIU, N.S. and ROCHA, E.M. (2008) A multiplicity theorem for a variable exponent dirichlet problem. Glasgow Mathematical Journal, 50, 335-349.	WOS:000256575500013	2008
PAPAGEORGIU, N.S. and ROCHA, E.M. (2009) On Nonlinear Parametric Problems for p-Laplacian-Like Operators. Revista De La Real Academia De Ciencias Exactas Fisicas Y Naturales Serie a-Matematicas, 103 (1), 177-200.	WOS:000265502200022	2009
PAPAGEORGIU, N.S. and ROCHA, E.M. (2009) Pairs of positive solutions for p-Laplacian equations with sublinear and superlinear nonlinearities which do not satisfy the AR-condition. Nonlinear Analysis-Theory Methods & Applications, 70 (11), 3854-3863.	WOS:000265451800009	2009
PAPAGEORGIU, N.S. and ROCHA, E.M. (2011) Existence of three nontrivial solutions for asymptotically p-linear noncoercive p-Laplacian equations. Nonlinear Analysis-Theory Methods & Applications, 74 (16), 5314-5326.	WOS:000292035500008	2011
Butzer, P.L.; Ferreira, P.J.S.G.; Higgins, J.R.; Saitoh, S.; Schmeisser, G.; Stens, R.L.: Interpolation and Sampling: ET Whittaker, K. Ogura and Their Followers, JOURNAL OF FOURIER ANALYSIS AND APPLICATIONS 17(2) (2011), 320-354.	WOS:000288456600007	2011
Domenico A. Catalano, Marston D.E. Conder, Shao Fei Du, Young Soo Kwon, Roman Nedela, Steve Wilson, Classification of regular embeddings of n-dimensional cubes, J. Algebr. Comb. 33 (2011), No. 2, 215-238.	WOS:000287006600003	2011
Domenico A. Catalano, Roman Nedela, A characterization of regular embeddings of n-dimensional cubes, Discrete Mathematics 310 (2010), 2364-2371.	WOS:000280543500018	2010
Roque, A. H., Notes on effective descent and projectivity in quasivarieties of universal algebras, Theory and Applications of Categories, 2008, Vol 21, 172-181.	WOS:000207941200010	2008

Xarez, Joao J., Well-behaved Epireflections for Kan Extensions, APPLIED CATEGORICAL STRUCTURES, 2010, Volume 18 (2), 219-230.	WOS:000275535200007	<u>2010</u>
A. Breda d'Azevedo, M. Elisa Fernandes, Classification of primer hypermaps with a prime number of hyperfaces, European Journal of Combinatorics, 32, 2011, 233-242.	WOS:000285904200007	<u>2011</u>
d'Azevedo, Antonio Breda, Rodrigues, Ilda Inacio, Fernandes, Maria Elisa, On chirality groups and regular coverings of regular oriented hypermaps, CZECHOSLOVAK MATHEMATICAL JOURNAL, 2011, Volume 61 (4), 1037-1047.	WOS:000299705600014	<u>2011</u>
D. Leemans, M. Elisa Fernandes, Polytopes of High Rank for the symmetric group, Advances in Mathematics, 228, 2011, 3207-3222.	WOS:000296401200004	<u>2011</u>
Dirk Hofmann, Topological theories and closed objects, ADVANCES IN MATHEMATICS, 2007, Volume 215 (2), 789-824.	WOS:000250308500014	<u>2007</u>
Gonçalo Gutierrez and Dirk Hofmann, Axioms for sequential convergence, APPLIED CATEGORICAL STRUCTURES, 2007, Volume 15 (5-6), 599-614.	WOS:000251481600010	<u>2007</u>
Maria Manuel Clementino and Dirk Hofmann, Relative injectivity as cocompleteness for a class of distributors, THEORY AND APPLICATIONS OF CATEGORIES, 2008, Volume 21, 210-230.	WOS:000207941200013	<u>2008</u>
Maria Manuel Clementino, Dirk Hofmann and Isar Stubbe, Exponentiable Functors Between Quantaloid-Enriched Categories, APPLIED CATEGORICAL STRUCTURES, 2009, Volume 17 (1) , 91-101.	WOS:000262310700006	<u>2009</u>
Gonçalo Gutierrez and Dirk Hofmann, Sequential convergence via Galois correspondences, ACTA MATHEMATICA HUNGARICA, 2009, Volume 123 (1-2), 187-202.	WOS:000265017700012	<u>2009</u>
Maria Manuel Clementino and Dirk Hofmann, Lawvere Completeness in Topology, APPLIED CATEGORICAL STRUCTURES, 2009, Volume 17 (2), 175-210.	WOS:000264513500004	<u>2009</u>

Eraldo Giuli and <u>Dirk Hofmann</u> , Affine sets: The structure of complete objects and duality, TOPOLOGY AND ITS APPLICATIONS, 2009, Volume: 156 (12), 2129-2136.	WOS:000267388100017	<u>2009</u>
<u>Dirk Hofmann</u> and Walter Tholen, Lawvere Completion and Separation Via Closure, APPLIED CATEGORICAL STRUCTURES, 2010, Volume: 18 (3), 259-287.	WOS:000277336100002	<u>2010</u>
<u>Dirk Hofmann</u> , Injective spaces via adjunction, JOURNAL OF PURE AND APPLIED ALGEBRA, 2011, Volume 215 (3), 283-302.	WOS:000284749000009	<u>2011</u>
<u>Dirk Hofmann</u> and Isar Stubbe, Towards Stone duality for topological theories, TOPOLOGY AND ITS APPLICATIONS, 2011, Volume: 158 (7), 913-925.	WOS:000289753900008	<u>2011</u>
<u>Dirk Hofmann</u> and Pawel Waszkiewicz, Approximation in quantale-enriched categories, TOPOLOGY AND ITS APPLICATIONS, 2011, Volume: 158 (8), 963-977.	WOS:000290124000001	<u>2011</u>
Maria Manuel Clementino and <u>Dirk Hofmann</u> , On the completion monad via the Yoneda embedding in quasi-uniform spaces, TOPOLOGY AND ITS APPLICATIONS, 2011, Volume: 158 (17), 2423-2430.	WOS:000296167000017	<u>2011</u>
Andrade, I., <u>L. Descalco</u> and <u>M. A. Martins</u> , Automatic structures for semigroup constructions, Semigroup Forum, 2008, 76, 239-255.	WOS:000253204400006	<u>2008</u>
<u>Martins, M. A.</u> , Closure properties for the class of behavioral models. Theoretical Computer Science, 2007, 379(1-2): 53-83.	WOS:000247713400003	<u>2007</u>
Madeira, A., J. M. Faria, <u>M. A. Martins</u> and L. S. Barbosa, Hybrid specification of reactive systems: An institutional approach. LNCS, 2011, 7041, 269-285.	WOS:000305321300019	<u>2011</u>
<u>Martins, M. A.</u> and D. Pigozzi, Behavioural reasoning for conditional equations. Mathematical Structures in Computer Science, 2007, 17(5): 1075-1113.	WOS:000251864200005	<u>2007</u>

Martins, M. A., On the behavioral equivalence between k-data structures. Computer Journal, 2008, 51(2): 181-191.	WOS:000253746600003	<u>2008</u>
Martins, M. A., A. Madeira and L. S. Barbosa, Refinement via interpretation. In Proc. of the 7th IEEE Inter. Conf. on Software Engineering and Formal Methods, IEEE Computer Society Press, 2009, 250-259, .	WOS:000275404000025	<u>2009</u>
Descalco, L. and Higgins, P. M., Generalized Green's Equivalences on the Subsemigroups of the Bicyclic Monoid, Communications in Algebra, 2010, 38, 4597-4612.	WOS:000287801500017	<u>2010</u>
Castillo, G, Descalco, L, Diogo, S, Millan, E, Oliveira, P; Anjo, B, Computerized Evaluation and Diagnosis of Student's Knowledge Based on Bayesian Networks, Lecture Notes in Computer Science, 2010, 6383, 494-499.	WOS:000289323300043	<u>2010</u>
Descalco, L. and Ruskuc, N., Properties of the subsemigroups of the bicyclic monoid, Czechoslovak Mathematical Journal, 58, 311-330.	WOS:000256754700002	<u>2008</u>
Descalco, L., Automatic subsemigroups of free products, Journal of Algebra, 2008, 319, 1343-1354.	WOS:000253501200001	<u>2008</u>
Antonio Breda d'Azevedo and Rui Duarte, Bipartite-uniform hypermaps on the sphere, Electronic Journal of Combinatorics, 2007, 14, 20pp.	WOS:000243201600007	<u>2007</u>
Breda, Ana M. and Santos, Altino F., On deformations of spherical isometric foldings, CZECHOSLOVAK MATHEMATICAL JOURNAL, 2010, Volume 60 (1), 149-159.	WOS:000274845800013	<u>2010</u>
d'Azevedo Breda, A. M., Ribeiro, Patricia S. and Santos, Altino F., Dihedral F-Tilings of the Sphere by Equilateral and Scalene Triangles-I, RENDICONTI DEL SEMINARIO MATEMATICO DELLA UNIVERSITA DI PADOVA, 2010, Volume 124, 1-23.	WOS:000286918500001	<u>2010</u>
Breda, Ana M. and Sigarreta, J. M., Symmetry and transitive properties of monohedral f-triangulations of the Riemannian sphere, ACTA MATHEMATICA SINICA-ENGLISH SERIES, 2009, Volume: 25 (10), 1609-1616.	WOS:000270867800004	<u>2009</u>

d'Azevedo Breda, A. M. and Santos, Altino F., Symmetry Groups of a Class of Spherical Folding Tilings, APPLIED MATHEMATICS & INFORMATION SCIENCES, 2009, Volume 3 (2), 123-134.	WOS:000281642500002	<u>2009</u>
Rocha, E, Breda, A, Soares, M and Parreira, T, AN AUTHORING TOOL FOR DEVELOPING HIGHLY INTERACTIVE DIGITAL BOOKS The IntBooks Platform, Book Editor(s): Cordeiro, J; Shishkov, B; Verbraeck, A; et al., PROCEEDINGS OF THE FIRST INTERNATIONAL CONFERENCE ON COMPUTER SUPPORTED EDUCATION, VOL I Pages: 303-308 Published: 2009	WOS:000267757000051	<u>2009</u>
Breda, A, Rocha, E, Vasconcelos, A and Domingues, R, DESIGNING EFFECTIVE INTERACTIVE TOOLS FOR STUDENTS LEARNING ABOUT GEOMETRIC TRANSFORMATIONS, Book Editor(s): Cordeiro, J; Shishkov, B; Verbraeck, A; et al., PROCEEDINGS OF THE FIRST INTERNATIONAL CONFERENCE ON COMPUTER SUPPORTED EDUCATION, VOL II Pages: 98-103 Published: 2009	WOS:000267757200021	<u>2009</u>
Breda, A.M.D, Ribeiro, P.S. And Santos, A.F., A class of spherical dihedral f-tilings, EUROPEAN JOURNAL OF COMBINATORICS, 2009, Volume 30 (1), 119-132.	WOS:000260960100013	<u>2009</u>
Breda, A. M. d'Azevedo, Ribeiro, Patricia S. and Santos, Altino F., Dihedral f-Tilings of the Sphere by Equilateral and Scale Triangles – III, ELECTRONIC JOURNAL OF COMBINATORICS, 2008, Volume 15 (1).	WOS:000262180800001	<u>2008</u>
Breda, A. M. d'Azevedo, Ribeiro, Patricia S. and Santos, Altino F., Dihedral f-tilings of the sphere by equilateral and scalene triangles – II, ELECTRONIC JOURNAL OF COMBINATORICS, 2008, Volume 15 (1).	WOS:000257634700005	<u>2008</u>
Breda, A. M., Rocha, E. M. and Rodrigues, M. M, Interactive, collaborative and adaptative learning tools - The TexMat example, .Book Editor(s): Cordeiro, J; Filipe, J; Hammoudi, S, WEBIST 2008: PROCEEDINGS OF THE FOURTH INTERNATIONAL CONFERENCE ON WEB INFORMATION SYSTEMS AND TECHNOLOGIES, VOL 1 Pages: 456-459 Published: 2008	WOS:000259260900074	<u>2008</u>
Breda, A. M. D'Azevedo, Sigarreta, J. M and Ruesga, P., Properties of monohedral f-triangulations of the Riemannian sphere, Book Editor(s): Simos, TE, Numerical Analysis and Applied Mathematics Book Series: AIP CONFERENCE PROCEEDINGS Volume: 936 Pages: 93-96 Published: 2007.	WOS:000250405200023	<u>2007</u>
D'Azevedo, Antonio Breda, Jones, Gareth A. and Schulte, Egon, Constructions of Chiral Polytopes of Small Rank, CANADIAN JOURNAL OF MATHEMATICS-JOURNAL CANADIEN DE MATHEMATIQUES, 2011, Volume 63 (6), 1254-1283.	WOS:000297277900004	<u>2011</u>
d'Azevedo, Antonio Breda, Mednykh, Alexander and Nedela, Roman, Enumeration of maps regardless of genus: Geometric approach, DISCRETE MATHEMATICS, 2010, Volume 310 (6-7), 1184-1203.	WOS:000274870500007	<u>2010</u>

d'Azevedo, Antonio Breda, Riemann surfaces and restrictively-marked hypermaps, ARS MATHEMATICA CONTEMPORANEA, 2010, Volume 3 (1), 87-98.	WOS:000293992500008	2010
d'Azevedo, Antonio Breda and Jones, Gareth A., Totally chiral maps and hypermaps of small genus, JOURNAL OF ALGEBRA, 2009, Volume 322 (11), 3971-3996.	WOS:000271531100010	2009
d'Azevedo, Antonio Breda, Jones, Gareth, Nedela, Roman, et al., Chirality groups of maps and hypermaps, JOURNAL OF ALGEBRAIC COMBINATORICS, 2009, Volume 29 (3), 337-355.	WOS:000264483500004	2009
Costa, Cecília & Vitória, José, (2007). Bounds for the Eigenvalues and the Singular Values of Block-Schwarz Matrix. In Yeol J. Cho, Jong K. Kim e Sever S. Dragomir (Eds.) Inequality Theory & Applications. (Vol. 5. Chap. 4, pp. 45-50), Nova Science Publishers Inc.	WOS:000250542400004	2007
Vitória, J., Vicente, M.A.F., Santos, J.M.F., Costa, C., & Tadeu, P. (2010). On an Inequality by Fan and Todd. In Y. J. Cho, J. K. Kim & S. S. Dragomir (Eds.). Inequality Theory and Applications. (Vol. 6, Chap. 14, pp. 121-132). New York: Nova Science Publishers Inc	WOS:000284339900014	2010
Costa, C., Tadeu, P. & Vitória, J. (2010). Geometric Application of an Analytic (In)Equality of (Ostrowski) Mitrinovic. In Y. J. Cho, J. K. Kim & S. S. Dragomir (Eds.) Inequality Theory and Applications. (Vol. 6, Chap. 16, pp. 143-150). New York: Nova Science Publishers Inc	WOS:000284339900016	2010
Martins, N; Neves, V.; Nonstandard Palais-Smale conditions; The Strength of Nonstandard Analysis Berg Imme van den: Neves Vitor (Eds.) (2007) 271-285	WOS:000246362900019	2007
FREDERICO, GSF; TORRES, DFM; A formulation of Noether's theorem for fractional problems of the calculus of variations; JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS; 2007; 334 (2); 834--846.	WOS:000248319600007	2007
Kuijper M; Pinto R, Polderman JW; The predictable degree property and row reducedness for systems over a finite ring; LINEAR ALGEBRA AND ITS APPLICATIONS, 2007, Volume: 425, Issue: 2-3 Pages: 776-796.	WOS:000249065400029	2007
EL-NABULSI, RA; TORRES, DFM; Necessary optimality conditions for fractional action-like integrals of variational calculus with Riemann-Liouville derivatives of order (alpha, beta); MATHEMATICAL METHODS IN THE APPLIED SCIENCES- 2007-	WOS:000249715500005	2007

AMMI, MRS; TORRES, DFM; Necessary optimality conditions for a dead oil isotherm optimal control problem; JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS; 2007; 135 (1): 135-143	WOS:000249792500009	2007
FREDERICO, GSF; TORRES, DFM; Conservation laws for invariant functionals containing compositions; APPLICABLE ANALYSIS; 2007; 86 (9); 1117-1126	WOS:000250809500005	2007
J.C. Aleixo, J.W. Polderman, P. Rocha, Periodically time-varying behavioral systems, Automatica, 2007, 43-11,1921-1931	WOS:000251098000006	2007
Pereira, R.; Rocha, P.; On the determinant of quaternionic polynomial matrices and its application to system stability; J Mathematical Methods in the Applied Sciences, 2008, 31(1), 99-122.	WOS:000251926500006	2008
C. M. R. Caridade, A. R. S. Marçal, T. Mendonça, JMRS Tavares, RMN Jorge, Automatic extraction and classification of DNA profiles in digital images, Computational Vision and Medical Imaging Processing, 2008, 111-116.	WOS:000252174400021	2008
C. M. R. Caridade, A. R. S. Marçal, T. Mendonça, The use of texture for image classification of black & white air photographs, International Journal of Remote Sensing, 2008, 29, 593-607	WOS:000252346500018	2008
Hugo Alonso, Teresa Mendonça, Paula Rocha, A hybrid method for parameter estimation and its application to biomedical systems, Computer Methods and Programs in Biomedicine, 2008, 89-2, 112-122.	WOS:000253025500003	2008
T. Mendonça, A. R. S. Marçal, A. Vieira, L. Lacerda, C. Caridade, J. Rozeira, JMRS Tavares, RMN Jorge, Automatic analysis of dermoscopy images - a review, Computational Modelling of Objects Represented in Images: Fundamentals, Methods and Applications, 2007, 281-287	WOS:000253364600048	2007
C. S. Nunes, T. Mendonça, J. M. Lemos, P. Amorim, Control of depth of anesthesia using MUSMAR - Exploring electromyography and the analgesic dose as accessible disturbances, 2007 Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, Vols 1-16, 1574-1577	WOS:000253467001079	2007
C. S. Nunes, T. Mendonça, S. Brás, D. A. Ferreira, P. Amorim, Modeling anesthetic drugs' pharmacodynamic interaction on the Bispectral Index of the EEG: the influence of heart rate, 2007 Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, Vols 1-16, 6480-6483	WOS:000253467005150	2007

T. Mendonça, A. R. S. Marçal, A. Vieira, J. C. Nascimento, M. Silveira, J. S. Marques, J. Rozeira., Comparison of segmentation methods for automatic diagnosis of dermoscopy images, 2007 Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, Vols 1-16, 6573-6576	WOS:000253467005172	2007
J. F. Pinto da Costa, H. Alonso, J. S. Cardoso, The unimodal model for the classification of ordinal data, NEURAL NETWORKS, 2008, 21, 78-91	WOS:000254371500008	2008
TORRES, DFM; LEITMANN, G; Contrasting two transformation-based methods for obtaining absolute extrema; JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS; 2008; 137 (1): 53-59	WOS:000254439200005	2008
AMMI, MRS; TORRES, DFM; Numerical analysis of a nonlocal parabolic problem resulting from thermistor problem; MATHEMATICS AND COMPUTERS IN SIMULATION; 2008; 77 (2-3): 291-300	WOS:000254531100018	2008
BARTOSIEWICZ, Z; TORRES, DFM; Noether's theorem on time scales; JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS; 2008; 342 (2): 1220-1226	WOS:000254945300035	2008
Almeida, Ricardo; A nonstandard characterization of regular surfaces; BALKAN JOURNAL OF GEOMETRY AND ITS APPLICATIONS; 2007; 12 (2); 1--7	WOS:000255030700001	2007
Kuijper M, Pinto R, Polderman JW; Row reduced representations of behaviors over finite rings; PROCEEDINGS OF THE 46TH IEEE CONFERENCE ON DECISION AND CONTROL, 2007, VOLS 1-14, Pages: 4155-4160.	WOS:000255181702078	2007
CRUZ, PAF; TORRES, DFM; Evolution strategies in optimization problems; PROCEEDINGS OF THE ESTONIAN ACADEMY OF SCIENCES-PHYSICS MATHEMATICS; 2007; 56 (4); 299-309	WOS:000255903200002	2007
MALINOWSKA, AB; TORRES, DFM; Nonessential functionals in multiobjective optimal control problems; PROCEEDINGS OF THE ESTONIAN ACADEMY OF SCIENCES-PHYSICS MATHEMATICS; 2007; 56 (4); 336-346	WOS:000255903200005	2007
EL-NABULSI, RA; TORRES, DFM; Fractional actionlike variational problems; JOURNAL OF MATHEMATICAL PHYSICS; 2008; 49 (5): 053521-7 pp	WOS:000256304400038	2008

AMMI, MRS; FERREIRA, RAC; TORRES, DFM; Diamond-alpha Jensen's inequality on time scales; JOURNAL OF INEQUALITIES AND APPLICATIONS; 2008; 2008: Art_ID 576876_13 pp	WOS:000256800300001	2008
C. S. Nunes, T. Mendonça, J. M. Lemos, P. Amorim, Predictive adaptive control of the Bispectral Index of the EEG (BIS): Exploring electromyography as an accessible disturbance, 2007 Mediterranean Conference on Control & Automation, 2007, Vols 1-4, 102-106	WOS:000257100800018	2007
C. Sousa, T. Mendonça, P. Rocha, Control of uncertain compartmental systems, Mediterranean Conference on Control & Automation, 2007, 688-693	WOS:000257100800119	2007
FREDERICO, GSF; TORRES, DFM; Fractional conservation laws in optimal control theory; NONLINEAR DYNAMICS; 2008; 53 (3): 215-222	WOS:000257216500004	2008
Isabel Brás, Paula Rocha, An algorithm for SDV representation of 2D Behaviors, International Workshop on Multidimensional Systems, 2007, 25-31.	WOS:000257313100005	2007
AMMI, MR; TORRES, DFM; Regularity of solutions to higher-order integrals of the calculus of variations; INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE; 2008; 39 (9); 889-895	WOS:000257805800004	2008
Rocha, Paula, Stabilization of multidimensional behaviors, Multidimensional Systems and Signal Processing, 2008, 19, 273-286	WOS:000259819500003	2008
FERREIRA, RAC; TORRES, DFM; Higher-Order Calculus of Variations on Time Scales; MATHEMATICAL CONTROL THEORY AND FINANCE; 2008; 149--159 Springer Berlin	WOS:000260160700009	2008
AMMI, MRS; TORRES, DFM; Necessary Optimality Condition for a Discrete Dead Oil Isotherm Optimal Control Problem; MATHEMATICAL CONTROL THEORY AND FINANCE; 2008; 387--395, Springer, Berlin.	WOS:000260160700022	2008
Kuijper M, Pinto R.; Minimal Trellis Construction for Finite Support Convolutional Ring Codes; 2nd International Castle Meeting on Coding Theory and Applications (ICMCTA 2008) LECTURE NOTES IN COMPUTER SCIENCE, 2008, Volume: 5228 Pages: 95-106.	WOS:000260432100011	2008

MALINOWSKA, AB; <u>TORRES, DFM</u> ; Computational Approach to Essential and Nonessential Objective Functions in Linear Multicriteria Optimization; JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS; 2008; 139 (3): 577-590	WOS:000260692600007	2008
H. Alonso, J. M. Lemos, <u>T. Mendonça</u> , A Target Control Infusion method for neuromuscular blockade based on hybrid parameter estimation, 30th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2008, Vols 1-8, 707-710.	WOS:000262404500177	2008
Silva, MM; <u>Mendonca, T</u> ; Esteves, S; Personalized neuromuscular blockade through control: clinical and technical evaluation; Proceedings of Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 5826-5829- 2008	WOS:000262404503255	2008
M. Silveira, J. C. Nascimento, J. S. Marques, A. R. S. Marçal, <u>T. Mendonça</u> , S. Yamauchi, J. Maeda, J. Rozeira, Comparison of Segmentation Methods for Melanoma Diagnosis in Dermoscopy Images, IEEE Journal of Selected Topics in Signal Processing, 2009, 3 (1), 35-45	WOS:000265495800005	2009
C. S. Nunes, <u>T. Mendonça</u> , J. M. Lemos, P. Amorim, Feedforward adaptive control of the Bispectral Index of the EEG using the intravenous anaesthetic drug propofol, International Journal of Adaptive Control and Signal Processing, 2009, 23(5), 485-503	WOS:000265957000006	2009
FERREIRA, RAC; <u>TORRES, DFM</u> ; Generalized retarded integral inequalities; APPLIED MATHEMATICS LETTERS; 2009; 22 (6); 876-881	WOS:000266213800012	2009
ALMEIDA, R; <u>TORRES, DFM</u> ; Isoperimetric Problems on Time Scales with Nabla Derivatives; JOURNAL OF VIBRATION AND CONTROL; 2009; 15 (6): 951-958	WOS:000266916600007	2009
Hugo Alonso, <u>Teresa Mendonça</u> , <u>Paula Rocha</u> , Hopfield neural networks for on-line parameter estimation, Neural Networks, 2009, 22-4, 450-462.	WOS:000266998500012	2009
<u>T. Mendonça</u> , C. Nunes, P. Lago, OCL Haas, KJ Brtnham, Intelligent Control Systems in Anesthesia, Intelligent and Adaptive Systems in Medicine, 2008, 53-94	WOS:000266999600003	2008
CRESSON, J; <u>FREDERICO, GSF</u> ; <u>TORRES, DFM</u> ; CONSTANTS OF MOTION FOR NON-DIFFERENTIABLE QUANTUM VARIATIONAL PROBLEMS; TOPOLOGICAL METHODS IN NONLINEAR ANALYSIS; 2009; 33 (2): 217--231	WOS:000267048300002	2009

ALMEIDA, R; TORRES, DFM; Holderian variational problems subject to integral constraints; JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS; 2009; 359 (2): 674-681	WOS:000268547800026	2009
GOUVEIA, PDF; PLAKHOV, A; TORRES, DFM; Two-dimensional body of maximum mean resistance; APPLIED MATHEMATICS AND COMPUTATION; 2009; 215 (1); 37-52	WOS:000268761900004	2009
Almeida, R.; Neves, V.; Plakhov, A.; Retroreflecting Curves in Nonstandard Analysis; JOURNAL OF MATHEMATICAL PHYSICS ANALYSIS GEOMETRY; 2009; 5 (1); 12--24	WOS:000269825400002	2009
MALINOWSKA, AB; TORRES, DFM; ON THE DIAMOND-ALPHA RIEMANN INTEGRAL AND MEAN VALUE THEOREMS ON TIME SCALES; DYNAMIC SYSTEMS AND APPLICATIONS; 2009; 18 (3-4); 469-481	WOS:000270520600008	2009
Kuijper M, Pinto R; On Minimality of Convolutional Ring Encoders; IEEE TRANSACTIONS ON INFORMATION THEORY, 2009, Volume: 55 Issue: 11 Pages: 4890-4897.	WOS:000271019700007	2009
ALMEIDA, R; TORRES, DFM; Calculus of variations with fractional derivatives and fractional integrals; APPLIED MATHEMATICS LETTERS; 2009; 22 (12): 1816-1820	WOS:000271136200008	2009
T. Mendonça, J.M. Lemos, H. Magalhães, P. Rocha, S. Esteves, Drug Delivery for Neuromuscular Blockade With Supervised Multimodel Adaptive Control, Ieee Transactions on Control Systems Technology, 2009, 17, 1237-1244	WOS:000271155100001	2009
A.J. Neves, T. Mendonça, P. Rocha, A switching control strategy for improving drug infusion, International Journal of Control, 2009, 82, 2221-2234.	WOS:000271508000005	2009
Brás, I, On the Diagonal Stability of Tridiagonal Switched Systems, Proceedings of the 13th Wseas International Conference on Systems, 2009, 346-351	WOS:000272165400048	2009
J. Maeda, A. Kawano, S. Yamauchi, Y. Suzuki, A. R. S. Marçal, T. Mendonça, Perceptual Image Segmentation Using Fuzzy-Based Hierarchical Algorithm and Its Application to Dermoscopy Images, 2008 Ieee Conference on Soft Computing in Industrial Applications Smcia/08, 2008, 66-71.	WOS:000272228200012	2008

RODRIGUES, HS; MONTEIRO, MTT; TORRES, DFM; Optimization of Dengue Epidemics: A Test Case with Different Discretization Schemes; NUMERICAL ANALYSIS AND APPLIED MATHEMATICS; 2009; 1168- 1385-1388	WOS:000273023600340	2009
MALINOWSKA, AB; TORRES, DFM; Strong minimizers of the calculus of variations on time scales and the Weierstrass condition; PROCEEDINGS OF THE ESTONIAN ACADEMY OF SCIENCES; 2009; 58 (4): 205-212	WOS:000273157700002	2009
R. Sebastião, J. Gama, T. Mendonça, A. Costa, N. Fakotakis, Learning from Data Streams: Synopsis and Change Detection, Stairs 2008, 2008, 179, 163-174	WOS:000273293000015	2008
Rodrigues, Helena Sofia; Monteiro, M. Teresa T.; Vaz, A. Ismael F. An MPCC approach on a Stackelberg game in an electric power market: changing the leadership; International Journal of Computer Mathematics; 2009; 86 (10): 1921-1931.	WOS:000273521700023	2009
Ferreira, RAC, Existence of solutions to some retarded integrodifferential equations via the topological transversality theorem, NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, 2010, 72 (6), 3062-3068	WOS:000274560200026	2010
Almeida, Ricardo, Connectedness and compactness on standard sets, MATHEMATICAL LOGIC QUARTERLY; 2010; 56 (1); 63--66	WOS:000275069400007	2010
D. Napp, P. Rocha, Implementation of 2D Strongly Autonomous Behaviors by Full and Partial Interconnections, Positive Systems, Proceedings, 2009, 389, 369-378	WOS:000275190600036	2009
ALMEIDA, R; MALINOWSKA, AB; TORRES, DFM; A fractional calculus of variations for multiple integrals with application to vibrating string; JOURNAL OF MATHEMATICAL PHYSICS; 2010; 51(3); 033503, 12 pp.	WOS:000276210400026	2010
D. Napp, P. Rocha, STRONGLY AUTONOMOUS INTERCONNECTIONS AND STABILIZATION OF 2D BEHAVIORS, Asian Journal of Control, 2010, 12, 127-135	WOS:000276270900003	2010
H. Alonso, T. Mendonça, J. M. Lemos, t. Wigren, A Simple Model for the Identification of Drug Effects, 6th IEEE International Symposium on Intelligent Signal Processing, 2009, 269-273.	WOS:000276341800047	2009

C. Rocha, <u>T. Mendonça</u> , M. E. Silva, Online Individualized Dose Estimation, Wisp 2009: 6th IEEE International Symposium on Intelligent Signal Processing, 2009, 275-279	WOS:000276341800048	2009
<u>PAWLUSZEWICZ, E</u> ; <u>TORRES, DFM</u> ; Avoidance Control on Time Scales; Journal of Optimization Theory and Applications; 2010; 145 (3); 527-542	WOS:000277300800008	2010
<u>D. Napp</u> , <u>P. Rocha</u> , T Autonomous multidimensional systems and their implementation by behavioral control, Systems & Control Letters, 2010, 59,203-208	WOS:000277638500006	2010
<u>GOUVEIA, PDF</u> ; <u>TORRES, DFM</u> ; Computing ODE symmetries as abnormal variational symmetries; Nonlinear Analysis-Theory Methods & Applications; 2009; 71 (12): F138-F146	WOS:000277763200015	2009
<u>MALINOWSKA, AB</u> ; <u>TORRES, DFM</u> ; Generalized natural boundary conditions for fractional variational problems in terms of the Caputo derivative; Computers & Mathematics With Applications; 2010; 59 (9); 3110-3116	WOS:000277850400010	2010
<u>MARTINS, N</u> ; <u>TORRES, DFM</u> ; Calculus of variations on time scales with nabla derivatives; Nonlinear Analysis-Theory Methods & Applications; 2009; 71 (12): F763-F773	WOS:000277952800248	2009
<u>ALMEIDA, R</u> ; <u>TORRES, DFM</u> ; Generalized Euler-Lagrange Equations for Variational Problems with Scale Derivatives; Letters in Mathematical Physics; 2010; 92 (3); 221-229	WOS:000278134600002	2010
<u>FERREIRA, RAC</u> ; <u>TORRES, DFM</u> ; Generalizations of Gronwall-Bihari inequalities on time scales; Journal of Difference Equations and Applications; 2009; 15 (6): 529-539	WOS:000278247100001	2009
C. Sousa, <u>T. Mendonça</u> , <u>P. Rocha</u> , Target mass control for uncertain compartmental systems, International Journal of Control, 2010, 83, 1387-1396	WOS:000279176900007	2010
<u>PAWLUSZEWICZ, E</u> ; <u>TORRES, DFM</u> ; Backward linear control systems on time scales; International Journal of Control; 2010; 83 (8); 1573-1580	WOS:000280267400004	2010

C. M. R Caridade, A. R. S. Marçal, <u>T. Mendonça</u> , A. M. Pessoa, S. Pereira, A. Campilho, M. Kamel, Automatic Information Extraction from Gel Electrophoresis Images Using GEIAS, Image Analysis and Recognition, 2010, 6112, 185-194.	WOS:000280464400019	2010
C. M. R. Caridade, A. R. S. Marçal, <u>T. Mendonça</u> , A. M. Pessoa, S. Pereira, An automatic Method to identify and extract information of DNA bands in Gel Electrophoresis Images, 2009 Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2009, Vols 1-20, 1024-1027.	WOS:000280543600260	2009
Costa, BA; <u>Silva, M</u> ; <u>Mendonca, T</u> ; Lemos, JM; Neuromuscular Blockade Nonlinear Model Identification; Proceedings of Med: 2009 17th Mediterranean Conference on Control & Automation; 1137-1142; 2009.	WOS:000280699600195	2009
<u>Silva, MM</u> ; Sousa, C; Sebastiao, R; Gama, J; <u>Mendonca, T</u> ; <u>Rocha, P</u> ; Esteves, S; Total Mass TCI driven by Parametric Estimation; Proceedings of Med: 2009 17th Mediterranean Conference on Control & Automation; 1149-1154; 2009.	WOS:000280699600197	2009
Sousa, C; <u>Mendonca, T</u> ; <u>Rocha, P</u> ; On the use of state-observers in compartmental systems control; Med: 2009 17th Mediterranean Conference on Control & Automation; 2009; 1480-1485	WOS:000280699600252	2009
<u>H. Alonso</u> , P. Ribeiro, <u>P. Rocha</u> , An automatic system for on-line change detection with application to structural health monitoring, 35th Annual Conference of IEEE Industrial Electronics, 2009, 1-6, 3133-3138.	WOS:000280762001152	2009
<u>Ferreira, RAC</u> ; <u>Torres, DFM</u> ; Isoperimetric Problems of the Calculus of Variations on Time Scales; Nonlinear Analysis and Optimization II: Optimization; 2010; 514: 123-131	WOS:000281133800007	2010
<u>Rodrigues, HS</u> ; Monteiro, MTT; <u>Torres, DFM</u> ; Dynamics of Dengue epidemics when using optimal control; Mathematical and Computer Modelling; 2010; 52 (9-10): 1667-1673	WOS:000281354400029	2010
<u>Malinowska, AB</u> ; <u>Torres, DFM</u> ; Natural boundary conditions in the calculus of variations; Mathematical Methods in the Applied Sciences; 2010; 33 (14): 1712-1722	WOS:000281594800006	2010
<u>Mozyrska, D</u> ; <u>Torres, DFM</u> ; Minimal modified energy control for fractional linear control systems with the Caputo derivative; 2010; Carpathian Journal of Mathematics; 26 (2); 210-221	WOS:000282203700011	2010

Almeida, R; Torres, DFM; Leitmann's direct method for fractional optimization problems; Applied Mathematics and Computation; 2010; 217 (3); 956-962	WOS:000282278900002	2010
Frederico, GSF; Torres, DFM; Fractional Noether's theorem in the Riesz-Caputo sense; Applied Mathematics and Computation; 2010; 217 (3); 1023-1033	WOS:000282278900010	2010
Malinowska, AB; Torres, DFM; Leitmann's direct method of optimization for absolute extrema of certain problems of the calculus of variations on time scales; Applied Mathematics and Computation; 2010; 217 (3); 1158-1162	WOS:000282278900024	2010
Bohner, MJ; Ferreira, RAC; Torres, DFM; INTEGRAL INEQUALITIES AND THEIR APPLICATIONS TO THE CALCULUS OF VARIATIONS ON TIME SCALES; Mathematical Inequalities & Applications; 2010; 13 (3); 511-522	WOS:000282293200002	2010
Martins, N; Torres, DFM; Noether's symmetry theorem for nabla problems of the calculus of variations; Applied Mathematics Letters; 2010; 23 (12); 1432-1438	WOS:000282411200007	2010
Ferreira RAC, EXISTENCE OF SOLUTION TO AN INTEGRODYNAMIC EQUATION, DYNAMIC SYSTEMS AND APPLICATIONS, 2010, 19 (2), 289-301.	WOS:000282916600006	2010
Malinowska, AB; Torres, DFM; The Hahn Quantum Variational Calculus; Journal of Optimization Theory and Applications; (2010); 147 (3); 419-442	WOS:000283509600001	2010
Almeida, R; Torres, DFM; Necessary and sufficient conditions for the fractional calculus of variations with Caputo derivatives; Communications in Nonlinear Science and Numerical Simulation; 2011; 16 (3); 1490-1500	WOS:000283826100036	2011
Ferreira, RAC; Malinowska, AB; Torres, DFM; Optimality conditions for the calculus of variations with higher-order delta derivatives; Applied Mathematics Letters; 2011; 24 (1); 87-92	WOS:000283913300017	2011
J. F. Pinto da Costa, H. Alonso, L. Roque, A Weighted Principal Component Analysis and Its Application to Gene Expression Data, IEEE-ACM TRANSACTIONS ON COMPUTATIONAL BIOLOGY AND BIOINFORMATICS, 2011, 8 (1), 246-252	WOS:000283926400022	2011

Silva, Cristiana and Trelat, Emmanuel, Smooth Regularization of Bang-Bang Optimal Control Problems, Ieee Transactions on Automatic Control, 2010, V. 55, 2488-2499.	WOS:000283940800004	2010
H. Alonso, P. Rocha, A General Stability Test for Switched Positive Systems Based on a Multidimensional System Analysis, Ieee Transactions on Automatic Control, 2010, 55, 2660-2664	WOS:000283940800027	2010
Ferreira, RAC, Nontrivial solutions for fractional q-difference boundary value problems, ELECTRONIC JOURNAL OF QUALITATIVE THEORY OF DIFFERENTIAL EQUATIONS, 2010, 70, 1-10.	WOS:000284481700001	2010
de Pinho, MD; Ferreira, MMA; Fontes, FACC; Pereira, FL; Smirnov G; Torres, DFM; Special Issue on Control, Nonsmooth Analysis and Optimization Celebrating the 60th Birthday of Francis Clarke and Richard Vinter PREFACE; Discrete and Continuous Dynamical Systems; 2011; 29 (2); I-II	WOS:000284618400001	2011
Bastos, NRO; Ferreira, RAC; Torres, DFM; NECESSARY OPTIMALITY CONDITIONS FOR FRACTIONAL DIFFERENCE PROBLEMS OF THE CALCULUS OF VARIATIONS; Discrete and Continuous Dynamical Systems; 2011; 29 (2); 417-437	WOS:000284618400003	2011
Malinowska, AB; Torres, DFM; EULER-LAGRANGE EQUATIONS FOR COMPOSITION FUNCTIONALS IN CALCULUS OF VARIATIONS ON TIME SCALES; Discrete and Continuous Dynamical Systems; 2011; 29 (2); 577-593	WOS:000284618400012	2011
Silva, C. and Trelat, E., Asymptotic approach on conjugate points for minimal time bang-bang controls, Systems & Control Letters, 2010, V. 59, 720-733.	WOS:000285285200008	2010
Malinowska, AB; Martins, N; Torres, DFM; Transversality conditions for infinite horizon variational problems on time scales; Optimization Letters; 2011; 5 (1); 41-53	WOS:000286292900004	2011
P. Rocha, J. Willems, Markovian properties for 2D behavioral systems described by PDE's: the scalar case, Multidimensional Systems and Signal Processing, 2011, 22, 45-53	WOS:000286665800004	2011
da Silva, MM; Mendonca, T; Wigren, T; Online Nonlinear Identification of the Effect of Drugs in Anaesthesia Using a Minimal Parameterization and BIS Measurements, Proceedings of the American Control Conference; 4379-4384; 2010	WOS:000287187904128	2010

de Pinho, MD; Fontes, FACC; Torres, DFM; Special Section on Nonsmooth Analysis, Control and Optimization; European Journal of Control; 2011; 17 (1); 7-8	WOS:000287388900001	2011
Bartosiewicz, Z; Martins, N; Torres, DFM; The Second Euler-Lagrange Equation of Variational Calculus on Time Scales; European Journal of Control; 2011; 17 (1); 9-18	WOS:000287388900002	2011
Ferreira RAC, Positive solutions for a class of boundary value problems with fractional q-differences, COMPUTERS & MATHEMATICS WITH APPLICATIONS, 2011, 61 (2), 367-373.	WOS:000287553400021	2011
da Silva, MM; Almeida, J; Wigren, T; Mendonca, T; Merging PK/PD information in a minimally parameterized model of the NeuroMuscular Blockade; Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society; 4602-4605- 2010	WOS:000287964004249	2010
C. M. R. Caridade, A. R. S. Marçal, T. Mendonça, M. V. Mendes, F. Tavares, Automatic analysis of macroarrays images, 32nd Annual International Conference of the IEEE Engineering-in-Medicine-and-Biology-Society, 2010	WOS:000287964006130	2010
Mozyrska, D; Torres, DFM; Modified optimal energy and initial memory of fractional continuous-time linear systems; Signal Processing; 2011; 91 (3); 379-385	WOS:000288038800004	2011
Bastos, NRO; Ferreira, RAC; Torres, DFM; Discrete-time fractional variational problems; Signal Processing; 2011; 91 (3); 513-524	WOS:000288038800016	2011
Ferreira, RAC; Torres, DFM; FRACTIONAL h-DIFFERENCE EQUATIONS ARISING FROM THE CALCULUS OF VARIATIONS; Applicable Analysis and Discrete Mathematics; 2011; 5 (1): 110-121	WOS:000288396900012	2011
Rodrigues, HS; Monteiro, MTT; Torres, DFM; Insecticide Control in a Dengue Epidemics Model; Numerical Analysis and Applied Mathematics; 2010; 1281; 979-982	WOS:000289661500260	2010
Odziejewicz, T; Torres, DFM; Fractional calculus of variations for double integrals; Balkan Journal of Geometry and Its Applications; 2011; 16 (2); 102-113	WOS:000289683600011	2011

Girejko, E; <u>Malinowska, AB</u> ; <u>Torres, DFM</u> ; A unified approach to the calculus of variations on time scales; 2010 Chinese Control and Decision Conference; 2010; 1-5; 595-600	WOS:000290460300121	2010
Martins, N; <u>Torres, DFM</u> ; Generalizing the variational theory on time scales to include the delta indefinite integral; Computers & Mathematics With Applications; 2011; 61 (9); 2424-2435	WOS:000291069600007	2011
Mozyrska, D; <u>Pawluszczyk, E</u> ; <u>Torres, DFM</u> ; INEQUALITIES AND MAJORISATIONS FOR THE RIEMANN-STIELTJES INTEGRAL ON TIME SCALES; Mathematical Inequalities & Applications; 2011; 14 (2); 281-293	WOS:000291112700003	2011
<u>Almeida, R</u> ; <u>Torres, DFM</u> ; Fractional variational calculus for nondifferentiable functions; Computers & Mathematics With Applications; 2011; 61 (10); 3097-3104	WOS:000291453400017	2011
<u>D. Napp</u> , <u>P. Rapisarda</u> , <u>P. Rocha</u> , Lyapunov stability of 2D finite-dimensional behaviours, International Journal of Control, 2011, 84, 737-745	WOS:000291462900008	2011
Monteiro, M. Teresa T.; <u>Rodrigues, Helena Sofia</u> . Combining the regularization strategy and the SQP to solve MPCC - a MATLAB implementation; Journal of Computational and Applied Mathematics; 2011; 235 (18): 5348-5356.	WOS:000294238700003	2011
<u>Malinowska, Agnieszka B.</u> ; <u>Torres, Delfim F. M.</u> ; Backward Variational Approach on Time Scales with an Action Depending on the Free Endpoints; Zeitschrift Fur Naturforschung Section a-a Journal of Physical Sciences; 2011; 66 (6-7): 401-410	WOS:000294750100004	2011
<u>Malinowska, Agnieszka B.</u> ; <u>Torres, Delfim F. M.</u> ; A general backwards calculus of variations via duality; Optimization Letters; 2011; 5 (4); 587-599	WOS:000295131300004	2011
Girejko, Ewa; <u>Malinowska, Agnieszka B.</u> ; <u>Torres, Delfim F. M.</u> Delta-nabla optimal control problems; Journal of Vibration and Control; 2011; 17 (11); 1634-1643	WOS:000295920100003	2011
<u>D. Napp</u> , <u>P. Rapisarda</u> , <u>P. Rocha</u> , Time-relevant stability of 2D systems, Automatica, 2011, 47, 2373-2382	WOS:000296210200006	2011

D. Napp, P. Rocha, Stabilization of discrete 2D behaviors by regular partial interconnection, Mathematics of Control Signals and Systems, 2011, 22, 295-316	WOS:000297145300002	2011
Malinowska, Agnieszka B.; Torres, Delfim F. M.; FRACTIONAL CALCULUS OF VARIATIONS FOR A COMBINED CAPUTO DERIVATIVE; Fractional Calculus and Applied Analysis; 2011; 14 (4); 523-537	WOS:000297265500003	2011
Almeida, Ricardo; Torres, Delfim F. M.; Nondifferentiable variational principles in terms of a quantum operator; Mathematical Methods in the Applied Sciences; 2011; 34 (18): 2231-2241	WOS:000297948200003	2011
Pooseh, Shakoor; Rodrigues, Helena Sofia; Torres, Delfim F. M.; Fractional Derivatives in Dengue Epidemics; AIP Conf. Proc.; 2011; 1389 (1), 739--742.	WOS:000302239800181	2011
Rodrigues, Helena Sofia; Monteiro, M. Teresa T.; Torres, Delfim F. M.; Optimal Control of a Dengue Epidemic Model with Vaccination; AIP Conf. Proc.; 2011; 1389(1); 1232-1235.	WOS:000302239800300	2011
da Silva, MM; Mendonca, T; Wigren, T; Nonlinear adaptive control of the NeuroMuscular Blockade in anesthesia, Proceedings of the 50th IEEE Conference on Decision and Control and European Control Conference; 41-46; 2011.	WOS:000303506200007	2011
J. Almeida, T. Mendonça, P. Rocha, An improved strategy for NeuroMuscular Blockade control with parameter uncertainty, 50th IEEE Conference on Decision and Control and European Control Conference (Cdc-Ecc), 2011, 867-872	WOS:000303506201074	2011
P. Rocha, J.C. Willems, P. Rapisarda, D. Napp, On the stability of switched behavioral systems, 50th IEEE Conference on Decision and Control and European Control Conference (Cdc-Ecc), 2011, 1534-1538	WOS:000303506202022	2011
Aleixo, Jose C., Rocha, Paula, Willems, Jan C., State space representation of SISO periodic behaviors, 50th IEEE Conference on Decision and Control and European Control Conference (Cdc-Ecc), 2011, 1545-1550	WOS:000303506202024	2011
Napp D, Perea C, Pinto R; Input-state-output representations and constructions of finite support 2D convolutional codes; Advances in Mathematics and Communications; 2010, Volume: 4 Issue: 4 Pages: 533-545.	WOS:000304732300003	2010

Ammi, M. R. S.; Mul, O.; Error estimates for the Chernoff scheme to approximate a nonlocal parabolic problem; PROCEEDINGS OF THE ESTONIAN ACADEMY OF SCIENCES-PHYSICS MATHEMATICS; 2007; 56(4); 359--372	WOS:000255903200007	2007
Sidi Ammi, M. R.; Error estimates for a non-local thermistor problem; APPLIED MATHEMATICS LETTERS; 2008; 21(11); 1166--1171	WOS:000260236800012	2008
Guerra, M.; Centeno, M. de L.; OPTIMAL REINSURANCE FOR VARIANCE RELATED PREMIUM CALCULATION PRINCIPLES; ASTIN BULLETIN; 2010; 40(1); 97--121	WOS:000278627600004	2010
Guerra, M.; Sarychev, A.; Measuring singularity of generalized minimizers for control-affine problems; JOURNAL OF DYNAMICAL AND CONTROL SYSTEMS; 2009; 15(2); 177--221	WOS:000266090800002	2009
Guerra, M.; Centeno, M. de L.; Optimal reinsurance policy: The adjustment coefficient and the expected utility criteria; INSURANCE MATHEMATICS & ECONOMICS; 2008; 42(2); 529--539	WOS:000255505900008	2008
Guerra, M.; Sarychev, A.; Existence and Lipschitzian Regularity for Relaxed Minimizers; MATHEMATICAL CONTROL THEORY AND FINANCE; 2008; 231--250	WOS:000260160700013	2008
Centeno, M. L.; Guerra, M.; The optimal reinsurance strategy - the individual claim case; INSURANCE MATHEMATICS & ECONOMICS; 2010; 46(3); 450--460	WOS:000278641400003	2010
Guerra, M.; Generalized synthesis for singular nonlinear optimal control problems; AUTOMATION AND REMOTE CONTROL; 2008; 69(4); 579--589	WOS:000255518800004	2008
Guerra, M.; Sarychev, A.; Approximation of generalized minimizers and regularization of optimal control problems; LECTURE NOTES IN CONTROL AND INFORMATION SCIENCES; 2007; 366; 269--279	WOS:000249892400021	2007
M Abellanas, AL Bajuelos, F Hurtado, I Matos: Coverage restricted to an angle. OPERATIONS RESEARCH LETTERS, 2011, Volume: 39, Issue: 4, Pages: 241-245.	WOS:000294579400003	2011

M Abellanas, <u>AL Bajuelos</u> , <u>I Matos</u> : 2-Covered paths by a set of antennas with minimum power transmission range. INFORMATION PROCESSING LETTERS, 2009, Volume: 109, Issue: 14, Pages: 768-773.	WOS:000267170300002	2009
M Abellanas, M Claverol, <u>I Matos</u> : The alpha-embracing contour. INTERNATIONAL CONFERENCE ON COMPUTATIONAL SCIENCES AND ITS APPLICATIONS, PROCEEDINGS, 2008, Pages: 365-372.	WOS:000258497100047	2008
M Abellanas, <u>AL Bajuelos</u> , <u>I Matos</u> : Some problems related to good illumination. Computational Science and Its Applications - ICCSA 2007, Pt 1, Proceedings, 2007, Volume: 4705, Pages: 1-14.	WOS:000250429300001	2007
<u>AL Bajuelos</u> , <u>AM Martins</u> , S Canales, G Hernandez: Metaheuristic Approaches for the Minimum Vertex Guard Problem. 2009 THIRD INTERNATIONAL CONFERENCE ON ADVANCED ENGINEERING COMPUTING AND APPLICATIONS IN SCIENCES, 2009, Pages: 77-82.	WOS:000289813400013	2009
<u>AL Bajuelos</u> , S Canales, G Hernandez, <u>AM Martins</u> : Estimating the maximum hidden vertex set in polygons. INTERNATIONAL CONFERENCE ON COMPUTATIONAL SCIENCES AND ITS APPLICATIONS, PROCEEDINGS, 2008, Pages: 421-432.	WOS:000258497100053	2008
<u>AL Bajuelos</u> , S Canales, G Hernandez, <u>AM Martins</u> : Minimum Vertex Guard problem for orthogonal polygons: a genetic approach. MATHEMATICAL METHODS, COMPUTATIONAL TECHNIQUES, NON-LINEAR SYSTEMS, INTELLIGENT SYSTEMS, 2008, Pages: 78-83.	WOS:000262507100016	2008
<u>AL Bajuelos</u> , S Canales, G Hernandez, <u>AM Martins</u> : Solving some combinatorial problems in grid n-ogons. PROCEEDINGS OF THE 7TH WSEAS INTERNATIONAL CONFERENCE ON APPLIED COMPUTER SCIENCE: COMPUTER SCIENCE CHALLENGES, 2007, Pages: 151-156.	WOS:000254075400025	2007
<u>Plakhov, A</u> ; Roshchina, V. Invisibility in billiards. NONLINEARITY 2011 Volume: 24 Pages: 847-854	WOS:000287230100008	2011
Bachurin, P; Khanin, K; Marklof, J; <u>Plakhov, A</u> . PERFECT RETROREFLECTORS AND BILLIARD DYNAMICS. JOURNAL OF MODERN DYNAMICS 2011 Volume: 5 Pages: 33-48	WOS:000289790200002	2011
<u>Plakhov, A</u> ; <u>Tchemisova, T</u> ; <u>Gouveia, P</u> . Spinning rough disc moving in a rarefied medium. PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES 2010 Volume: 466 Pages: 2033-2055	WOS:000278090300010	2010

Plakhov, A; Aleksenko, A. THE PROBLEM OF THE BODY OF REVOLUTION OF MINIMAL RESISTANCE. ESAIM-CONTROL OPTIMISATION AND CALCULUS OF VARIATIONS 2010 Volume: 16 Pages: 206-220	WOS:000274916000012	2010
Gouveia, PDF; Plakhov, A; Torres, DFM. Two-dimensional body of maximum mean resistance. APPLIED MATHEMATICS AND COMPUTATION 2009 Volume: 215 Pages: 37-52	WOS:000268761900004	2009
Plakhov, AY. Scattering in billiards and problems of Newtonian aerodynamics. RUSSIAN MATHEMATICAL SURVEYS Volume: 64 Pages: 873-938	WOS:000276915500003	2009
Aleksenko, A; Plakhov, A. Bodies of zero resistance and bodies invisible in one direction. NONLINEARITY 2009 Volume: 22 Pages: 1247-1258	WOS:000266072500002	2009
Plakhov, AY; Tchemisova, TV. Force acting on a rough disk spinning in a flow of noninteracting particles. DOKLADY MATHEMATICS 2009 Volume: 79 Pages: 132-135	WOS:000266476100039	2009
Mishuris, G; Plakhov, A. Magnus effect and dynamics of a spinning disc in a rarefied medium. ARCHIVES OF MECHANICS 2009 Volume: 61 Pages: 391-406	WOS:000271726800005	2009
Plakhov, A. COMMENT ON "FUNCTIONS AND DOMAINS HAVING MINIMAL RESISTANCE UNDER A SINGLE-IMPACT ASSUMPTION" [SIAM J. MATH. ANAL., 34 (2002), PP. 101-120]. SIAM JOURNAL ON MATHEMATICAL ANALYSIS 2009 Volume: 41 Pages: 1721-1724	WOS:000271725700019	2009
Plakhov, A. BILLIARD SCATTERING ON ROUGH SETS: TWO-DIMENSIONAL CASE. SIAM JOURNAL ON MATHEMATICAL ANALYSIS 2009 Volume: 40 Pages: 2155-2178	WOS:000265778800001	2009
Almeida, R; Neves, V; Plakhov, A. Retroreflecting Curves in Nonstandard Analysis. JOURNAL OF MATHEMATICAL PHYSICS ANALYSIS GEOMETRY 2009 Volume: 5 Pages: 12-24	WOS:000269825400002	2009
Aleksenko, A; Plakhov, AY. On the Newton aerodynamic problem for non-convex bodies. RUSSIAN MATHEMATICAL SURVEYS 2008 Volume: 63 Pages: 959-961	WOS:000264244400003	2008

Plakhov, A; <u>Gouveia, PDF</u> . Problems of maximal mean resistance on the plane. NONLINEARITY 2007 Volume: 20 Pages: 2271-2287	WOS:000249736000013	2007
Kostyukova O.I., <u>Tchemisova T.V.</u> , Yermalinskaya S.A., Convex Semi-Infinite Programming: Implicit Optimality Criterion Based on the Concept of Immobile Indices, JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS Volume: 145 Issue: 2 Pages: 325-342 DOI: 10.1007/s10957-009-9621-5	WOS:000276743300007	2010
Kostyukova O.I., <u>Tchemisova T.V.</u> , Sufficient optimality conditions for convex semi-infinite programming, OPTIMIZATION METHODS & SOFTWARE Volume: 25 Issue: 2 Pages: 279-297 Article Number: PII	WOS:000277654400009	2010
<u>Tchemisova T.V.</u> , Rigidity of abnormal extrema in nonlinear programming problems with equality and inequality constraints, EUROPEAN JOURNAL OF OPERATIONAL RESEARCH Volume: 181 Issue: 3 Pages: 1233-1242 DOI: 10.1016/j.ejor.2005.009.051	WOS:000246290600019	2007
<u>R.M.V. Figueiredo</u> , M. Labbé and C.C. de Souza. An exact approach to the problem of extracting an embedded network matrix. Computers & Operations Research, 2011, 38(11): 1483-1492.	WOS:000289604700003	2011
<u>Agostinho Agra</u> , Miguel Constantino, "Lifting two-integer knapsack inequalities", Mathematical Programming, 2007, 109, pp. 115-154	WOS:000242463900006	2007
<u>Agostinho Agra</u> , Luis Gouveia, <u>Cristina Requejo</u> , "Extended formulations for the cardinality-constrained subtree of a tree problem", Operations Research Letters, 2009 37, pp. 192-196	WOS:000266360900011	2009
<u>Agostinho Agra</u> , Miguel Constantino. "A compact formulation of a mixed-integer set", Optimization, 2010, 59, pp. 729 - 745.	WOS:000278857400009	2010
<u>Agostinho Agra</u> , Adelaide Cerveira, <u>Cristina Requejo</u> , Eulalia. Santos. "On the Weight-Constrained Minimum Spanning Tree Problem". Lecture Notes in Computer Science, 2011, 6701, pp. 156-161.	WOS:000306643300019	2011
Morais, Rui Manuel; Pavan, Claunir; Pinto, Armando Nolasco; <u>Requejo, Cristina</u> . Genetic Algorithm for the Topological Design of Survivable Optical Transport Networks. JOURNAL OF OPTICAL COMMUNICATIONS AND NETWORKING. 2011. Volume: 3 Issue: 1 Pages: 17-26	WOS:000288459300003	2011

Requejo, Cristina; <u>Agra, Agostinho</u> ; Cerveira, Adelaide; Santos, Eulalia. Formulations for the Weight-Constrained Minimum Spanning Tree Problem. NUMERICAL ANALYSIS AND APPLIED MATHEMATICS, AIP Conference Proceedings, (eds) Simos, TE; Psihoyios, G; Tsitouras, C. 2010. Volume: 1281. Pages: 2166-2169	WOS:000289661501199	2010
Adelaide Cerveira, <u>Agostinho Agra</u> , Fernando Bastos, Humberto Varum, "A Branch and Bound Approach for Truss Topology Design Problems with Valid Inequalities", AIP Conference Proceedings, 2010, 1281, pp. 2177-2180.	WOS:000289661501202	2010
Adelaide Cerveira, <u>Agostinho Agra</u> , Fernando Bastos, Joaquim Gromicho, "New branch and bound approaches for truss topology design with discrete areas", PROCEEDINGS OF THE AMERICAN CONFERENCE ON APPLIED MATHEMATICS: RECENT ADVANCES IN APPLIED MATHEMATICS Book Series: Mathematics and Computers in Science and Engineering. 2009. pp: 228 - 233	WOS:000279344900032	2009
Abreu, N; <u>Cardoso, DM</u> ; Gutman, I; <u>Martins, EA</u> ; Robbiano, M, Bounds for the signless Laplacian energy, LINEAR ALGEBRA AND ITS APPLICATIONS, 2011, Volume: 435, Issue: 10, Pages: 2365-2374	WOS:000292663300005	2011
Rojo, O; Robbiano, M; <u>Cardoso, DM</u> ; <u>Martins, EA</u> , SPECTRA OF WEIGHTED ROOTED GRAPHS HAVING PRESCRIBED SUBGRAPHS AT SOME LEVELS, ELECTRONIC JOURNAL OF LINEAR ALGEBRA, 2011, Volume: 22 Pages: 653-671	WOS:000293356100001	2011
<u>Pacheco, M F</u> ; <u>Cardoso, D M</u> , Recognition of Graphs with Convex Quadratic Stability Number, NUMERICAL ANALYSIS AND APPLIED MATHEMATICS, 2009, VOLS 1 AND 2, Book Series: AIP Conference Proceedings, Volume: 1168, Pages: 1366-1369	WOS:000273023600335	2009
<u>Cardoso, D M</u> ; Cvetkovic, D; Rowlinson, P; Simic, S K, A sharp lower bound for the least eigenvalue of the signless Laplacian of a non-bipartite graph, LINEAR ALGEBRA AND ITS APPLICATIONS, 2008, Volume: 429, Issue: 11-12, SI Pages: 2770-2780	WOS:000260271600014	2008
<u>Cardoso, D M</u> ; Cerdeira, J O; Delorme, C ; Silva, P C, Efficient edge domination in regular graphs, DISCRETE APPLIED MATHEMATICS, 2008, Volume: 156, Issue: 15, Pages: 3060-3065	WOS:000260714200023	2008
<u>Cardoso, D M</u> ; Kaminski, M; Lozin, V, Maximum k-regular induced subgraphs, JOURNAL OF COMBINATORIAL OPTIMIZATION, 2007, Volume: 14, Issue: 4, Pages: 455-463	WOS:000249792000005	2007
<u>Cardoso, D M</u> ; Rama, P, Spectral results on regular graphs with (k, τ) -regular sets, DISCRETE MATHEMATICS, 2007, Volume: 307, Issue: 11-12, Pages: 1306-1316	WOS:000245784100011	2007

Cardoso, D M; Rama, P, Spectral results on graphs with regularity constraints, LINEAR ALGEBRA AND ITS APPLICATIONS, 2007, Volume: 423, Issue: 1, Pages: 90-98	WOS:000245960900009	2007
Cardoso, D M; Delorme, C; Rama, P, Laplacian eigenvectors and eigenvalues and almost equitable partition, EUROPEAN JOURNAL OF COMBINATORICS, 2007, Volume: 28, Issue: 3, Pages: 665-673	WOS:000244966900001	2007
Cardoso, D M; Rowlinson, P, Spectral upper bounds for the order of a k-regular induced subgraph, LINEAR ALGEBRA AND ITS APPLICATIONS, 2010, Volume: 433, Issue: 5, Pages: 1031-1037	WOS:000279413600016	2010
Cardoso, D M; Gutman, I; Martins, E A; Robbiano, M, A generalization of Fiedler's lemma and some applications, LINEAR & MULTILINEAR ALGEBRA, 2011, Volume: 59, Issue: 8, Pages: 929-942	WOS:000293597500010	2011
Gutman, I; Robbiano, M; Martins, E A; Cardoso, D M; Medina, L; Rojo, O, Energy of line graphs, LINEAR ALGEBRA AND ITS APPLICATIONS, 2010, Volume: 433, Issue: 7, Pages: 1312-1323	WOS:000281622600006	2010
Neves, Claudia; Pereira, Antonio; Detecting finiteness in the right endpoint of light-tailed distributions; STATISTICS & PROBABILITY LETTERS; 2010; Volume: 80; Issue: 5-6; Pages: 437-444;	WOS:000274946100024	2010
Cardoso, D M; Korpelainen, N; Lozin, V V, On the complexity of the dominating induced matching problem in hereditary classes of graphs, DISCRETE APPLIED MATHEMATICS, 2011, Volume: 159, Issue: 7, Pages: 521-531	WOS:000288972200004	2011
Cardoso, D M; Sciriha, I; Zerafa, C, Main eigenvalues and (κ, τ) -regular sets, LINEAR ALGEBRA AND ITS APPLICATIONS, 2010, Volume: 432, Issue: 9, Pages: 2399-2408	WOS:000276038600021	2010
Cardoso, D M; Lozin, V V, Dominating Induced Matchings, GRAPH THEORY, COMPUTATIONAL INTELLIGENCE AND THOUGHT Book Series: Lecture Notes in Computer Science, 2009, Volume: 5420, Pages: 77-86	WOS:000272447200008	2009
Carvalho, Paula; Rama, Paula: Integral graphs and (κ, τ) -regular sets, LINEAR ALGEBRA AND ITS APPLICATIONS, 2010, Volume: 432 Issue: 9, Pages: 2409-2417.	WOS:000276038600022	2010

L. Costa, E. A. Martins, Faces of faces of the Tridiagonal Birkhoff polytope, Linear Algebra Appl., 2010, V.432, 1384-1404	WOS:000274604700002	2010
M. Robbiano, E. A. Martins, I. Gutman, Extending a theorem by Fiedler and applications to graph energy, MATCH Commun. Math. Comput. Chem. 2010, V. 64, 145-156	WOS:000281508800015	2010
M. Robbiano, E. A. Martins, R. Jiménez, B. S. Martin, Upper bounds on the Laplacian energy of some graphs, MATCH Commun. Math. Comput. Chem. 2010, V. 64, 97-110	WOS:000281508800009	2010
L. Costa, C. M. da Fonseca, E. A. Martins, Face counting on an acyclic Birkhoff polytope, Linear Algebra Appl., 2009, V. 430, 1216-1235	WOS:000263018100025	2009
R. Fernandes e H. Gomes, E. A. Martins, On the spectra of some graphs like weighted rooted trees, Linear Algebra Appl., 2008, V. 428, 2654-2674	WOS:000256392900021	2008
M. Andelic, C.M. da Fonseca, S.K. Simic, D.V. Tomic, On bounds for the index of double nested graphs, LINEAR ALGEBRA AND ITS APPLICATIONS, 2011, Volume: 435 Issue: 10 Pages: 2475-2490	WOS:000292663300016	2011
M. Andelic, C.M. da Fonseca, Sufficient conditions for positive definiteness of tridiagonal matrices revisited, POSITIVITY, 2011, Volume: 15 Issue: 1 Pages: 155-159	WOS:000287504100010	2011
M. Andelic, C. M. da Fonseca, R. Mamede, On the number of P-vertices of some graphs, LINEAR ALGEBRA AND ITS APPLICATIONS, 2011, Volume: 434, Issue: 2, Pages: 514-525	WOS:000285223500013	2011
M. Andelic, S.K. Simic, Some notes on the threshold graphs, DISCRETE MATHEMATICS, 2010, Volume: 310 Issue: 17-18 Pages: 2241-2248	WOS:000280543500004	2010
M. Andelic, C.M. da Fonseca, Cover matrices of posets and their spectra, CZECHOSLOVAK MATHEMATICAL JOURNAL, 2009, Volume: 59 Issue: 4 Pages: 1077-1085	WOS:000271641800016	2009

Bebiano, N.; <u>Lemos, R.</u> ; da Providencia, J.; Soares, G., FURTHER DEVELOPMENTS OF FURUTA INEQUALITY OF INDEFINITE TYPE, MATHEMATICAL INEQUALITIES & APPLICATIONS, 2010, Volume 13, 523-535	WOS:000282293200003	2010
Bebiano, N.; <u>Lemos, R.</u> ; da Providencia, J.; Soares, G., Trace inequalities for logarithms and powers of J-Hermitian matrices, LINEAR ALGEBRA AND ITS APPLICATIONS, 2010, Volume: 432, 3172-3182.	WOS:000277948200010	2010
B.Sleeman, <u>E.Lakshyanov</u> , Acoustically invisible gateways, Inverse Problems and Imaging, 2011 vol. 5 pp.203-217	WOS:000287735000011	2011
A.Aleksenko, <u>E.Lakshyanov</u> , Examples of Admissible Simplification of Mathematical Theories, Kybernetes, 2011 Vol. 40 pp.1523 – 1529	WOS:000298127700018	2011
O.German, <u>E.Lakshyanov</u> , Application of Spectral Theory to Constructing a Puzzle on the Basis of the Minesweeper Computer Game. Math. Notes, 2010 , vol. 88, pp.5-6	WOS:000288489700029	2010
<u>E. Lakshyanov</u> , Boris Vainberg, Resonance regimes of scattering by small bodies with impedance boundary condition, J. Phys. A: Math. Theor. 2010, 43, 415205	WOS:000283299000010	2010
<u>E.Lakshyanov</u> , Spectral properties of the Dirichlet-to-Neumann operator for exterior Helmholtz problem and its applications to scattering theory, J. Phys. A: Math. Theor. 2010, 43, pp125204	WOS:000275302300015	2010
O.German, <u>E.Lakshyanov</u> , "Minesweeper" and spectrum of discrete Laplacians, Applicable Analysis, 2010 Vol. 89(12), pp.1907–1916	WOS:000283872500008	2010
Pedro Cruz, <u>E. L. Lakshyanov</u> , Explicit representation of Green function for 3Dimensional exterior Helmholtz equation, J. Theor. Math. Phys. 2008 157:2, pp.163–174	WOS:000261657100001	2008
A. Aleksenko, J. Cruz and <u>E. Lakshyanov</u> , "High frequency limit of the transport cross section in scattering by an obstacle with impedance boundary conditions", J. Phys. A: Math. Theor. 2008 41(1) 255203	WOS:000256693900009	2008

German O.N., <u>Lakshatanov E.L.</u> On a multidimensional generalization of Lagrange's theorem on continued fractions, <i>Izv. Math.</i> 2008 vol.72:1, pp.47-61	WOS:000254303700003	2008
<u>E.L.Lakshatanov</u> , Short-wave limit of the scattering amplitude in an inhomogeneous medium, <i>Russ. Mat. Surv.</i> 2007, 62:4 pp.807-809	WOS:000251687100016	2007
W. de Roeck, <u>Lakshatanov E.L.</u> , "Total cross section exceeds transport cross section for quantum scattering from hard bodies at low and high wave numbers", <i>J. Math. Phys.</i> 2007, 48, 013501	WOS:000243891500025	2007
<u>Castillo, G.</u> ; Gama, J.: Adaptive Bayesian network classifiers. <i>INTELLIGENT DATA ANALYSIS</i> , 2009, Volume: 13 Issue: 1 Pages: 39-59.	WOS:000265627000002	2009
<u>Castillo, G.</u> : Adaptive learning algorithms for Bayesian network classifiers. <i>AI COMMUNICATIONS</i> , 2008, Volume: 21, Issue: 1, Pages: 87-88	WOS:000255211600007	2008
Carmona, C; <u>Castillo, G</u> ; Millan, E: Designing a Dynamic Bayesian Network for modeling students' learning styles. 8TH IEEE INTERNATIONAL CONFERENCE ON ADVANCED LEARNING TECHNOLOGIES, PROCEEDINGS, 2008, Pages: 346-350	WOS:000257822100093	2008
<u>Esteves, Jorge Sá</u> , Algorithms for Higher-Order Derivatives of Erlang C Function, <i>PROCEEDINGS OF THE 13TH WSEAS INTERNATIONAL CONFERENCE ON COMMUNICATIONS</i> , 2009, 72-77	WOS:000270024200010	2009
<u>L. Costa</u> , C. M. da Fonseca, <u>E. A. Martins</u> , The diameter of the acyclic Birkhoff polytope, <i>Linear Algebra Appl.</i> , 2008, 428, 1524-1537.	WOS:000253621800008	2008
<u>LUZ, C. J.</u> : Improving an upper bound on the size of k-regular induced subgraphs, <i>Journal of Combinatorial Optimization</i> , 22 (2011), 882-894.	WOS:000296520200027	2011
<u>LUZ, C. J.</u> : A characterization of Delsarte's linear programming bound as a ratio bound, <i>Linear Algebra and its Applications</i> 423 (2007), 99-108.	WOS:000245960900010	2007

M. Barczy, M. Ispany, G. Pap, <u>M. Scotto</u> and <u>M. Silva</u> ; Innovational Outliers in INAR(1) Models; Communications in Statistics-Theory and Methods; 2010; 39 3343-3362	WOS:000281566100011	2010
S. BARBOSA and <u>M.E. SILVA</u> ; Low-frequency sea-level change in Chesapeake Bay: Changing seasonality and long-term trends; ESTUARINE COASTAL AND SHELF SCIENCE; 2009 83 30-38	WOS:000266540000004	2009
S. FATICHI, S. BARBOSA, E. CAPORALI and <u>M. E. SILVA</u> ; Deterministic versus stochastic trends: Detection and challenges JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES; 2009 114	WOS:000270463100005	2009
S. BARBOSA, <u>M. SILVA</u> and M. FERNANDES; Multi-scale variability patterns in NCEP/NCAR reanalysis sea-level pressure; THEORETICAL AND APPLIED CLIMATOLOGY; 2009 96319-326	WOS:000265623300011	2009
A. Leite, A. Rocha, <u>M. Silva</u> and A. Murray; Long Memory and Volatility in HRV: An ARFIMA-GARCH Approach Cinc: 2009 36th Annual Computers in Cardiology Conference; 2009 165-168	WOS:000279344300042	2009
C. Rocha, T. Mendonca and <u>M. Silva</u> ; Online Individualized Dose Estimation; Wisp 2009: 6th IEEE International Symposium on Intelligent Signal Processing, Proceedings; 2009 275-279	WOS:000276341800048	2009
<u>I. Silva</u> and <u>ME Silva</u> ; PARAMETER ESTIMATION FOR INAR PROCESSES BASED ON HIGH-ORDER STATISTICS; Revstat-Statistical Journal 2009 7 105-117	WOS:000275192700007	2009
<u>N. Silva</u> , <u>I. Pereira</u> and <u>M. Silva</u> ; FORECASTING IN INAR(1) MODEL; Revstat-Statistical Journal; 2009 7 119-134	WOS:000275192700008	2009
S. BARBOSA, <u>M. SILVA</u> and M. FERNANDES; Changing seasonality in North Atlantic coastal sea level from the analysis of long tide gauge records; TELLUS SERIES A-DYNAMIC METEOROLOGY AND OCEANOGRAPHY 2008 6 165-177	WOS:000251863500012	2008
<u>N. Silva</u> , <u>I. Pereira</u> and <u>M. Silva</u> ; ESTIMATION AND FORECASTING IN SUINAR(1) MODEL; Revstat-Statistical Journal 2008; 6; 253-277	WOS:000275192600003	2008

S. BARBOSA, M. FERNANDES and <u>M. SILVA</u> ; Scale-based comparison of sea level observations in the North Atlantic from satellite altimetry and tide gauges; Dynamic Planet: Monitoring and Understanding a Dynamic Planet with Geodetic and Oceanographic Tools, 2007, 130 63-66	WOS:000245419400010	2007
S. BARBOSA, G. STEINITZ, O. PIATIBRATOVA, <u>M. SILVA</u> and PLAGO; Radon variability at the Elat granite, Israel: Heteroscedasticity and nonlinear; GEOPHYSICAL RESEARCH LETTERS, 200 34	WOS:000248896300004	2007
A. LEITE, A. ROCHA, <u>M. SILVA</u> , S. GOUVEIA, J. CARVALHO and O. COSTA; Long-Range Dependence in Heart Rate Variability Data: ARFIMA Modelling vs Detrended Fluctuation Analysis; COMPUTERS IN CARDIOLOGY 2007 1 21-24	WOS:000264173100006	2007
<u>Scotto, Manuel G.</u> ; Barbosa, Susana M.; Alonso, Andres M., Extreme value and cluster analysis of European daily temperature series, JOURNAL OF APPLIED STATISTICS, 2011, 38, 2793-2804	WOS:000298924500009	2011
<u>Hall, Andreia</u> ; <u>Scotto, Manuel</u> ; <u>Cruz, Joao</u> , Extremes of integer-valued moving average sequences, Test, 2010, 19, 359-374	WOS:000280766200012	2010
<u>Scotto, Manuel G.</u> ; Alonso, Andres M.; Barbosa, Susana M, Clustering Time Series of Sea Levels: Extreme Value Approach, JOURNAL OF WATERWAY PORT COASTAL AND OCEAN ENGINEERING-ASCE, 2010, 136, 215-225	WOS:000278910400003	2010
<u>Monteiro, Magda</u> ; <u>Scotto, Manuel G.</u> ; <u>Pereira, Isabel</u> . Integer-valued autoregressive processes with periodic structure, JOURNAL OF STATISTICAL PLANNING AND INFERENCE, 2010, 140, 1529-1541	WOS:000275345500015	2010
<u>Costa, Conceicao</u> ; <u>Scotto, Manuel G.</u> ; <u>Pereira, Isabel</u> , Optimal alarm systems for FIAPARCH processes, REVSTAT-STATISTICAL JOURNAL , 8, 37-55	WOS:000279345500003	2010
Alves, Celia A.; <u>Scotto, Manuel G.</u> ; Freitas, Maria do Carmo, Air pollution and emergency admissions for cardiorespiratory diseases in Lisbon (Portugal), QUIMICA NOVA, 2010, 33, 337-344	WOS:000275268400020	2010
<u>Scotto, M. G.</u> ; Barbosa, Susana M.; Alonso, Andres M. Model-based clustering of Baltic sea-level, APPLIED OCEAN RESEARCH, 2009, 31, 4-11	WOS:000269718800002	2009

Hall, Andreia; <u>Scotto, Manuel G.</u> , On the extremes of randomly sub-sampled time series, REVSTAT-STATISTICAL JOURNAL, 2008, 6, 151-164	WOS:000275192500003	2008
Conceicao, Isabel M.; Castro, Jose F.; <u>Scotto, Manuel</u> ; de Carvalho, M. Neurophysiological markers in familial amyloid polyneuropathy patients: Early changes, CLINICAL NEUROPHYSIOLOGY, 2008, 119, 1082-1087	WOS:000255716200013	2008
Monteiro, Magda; Pereira, Isabel; <u>Scotto, Manuel G.</u> , Optimal alarm systems for count processes, COMMUNICATIONS IN STATISTICS-THEORY AND METHODS , 2008, 37, 3054-3076	WOS:000258499300005	2008
<u>Scotto, Manuel G.</u> , Extremes for solutions to stochastic difference equations with regularly varying tail, REVSTAT-STATISTICAL JOURNAL, 2007, 5, 229-247	WOS:000207489500002	2007
<u>Scotto, M.</u> On the extremes of a class of non-linear processes with heavy tailed innovations. NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, 2007, 67, 2012-2023	WOS:000247480500003	2007
<u>Scotto, M. G.</u> ; Soares, C. Guedes, Bayesian inference for long-term prediction of significant wave height, COASTAL ENGINEERING, 2007, 54, 393-400	WOS:000246748300002	2007
De Carvalho, Mamede; <u>Scotto, Manuel</u> ; Swash, Michael, Clinical patterns in progressive muscular atrophy (PMA): A prospective study, AMYOTROPHIC LATERAL SCLEROSIS, 2007,8, 296-299	WOS:000249922900010	2007
Miranda, Hilário; <u>Souto de Miranda, Manuela</u> ; Combining Robustness with Efficiency in the Estimation of the Variogram MATHEMATICAL GEOSCIENCES; 2011 43 363-377	WOS:000288905500006	2011
Freitas, Adelaide, <u>Castillo, Gladys Marcos</u> , Ana Sao Effect of Background Correction on Cancer Classification with Gene Expression Data Artificial Intelligence in Medicine, Proceedings 2009 5651 416-420	WOS:000269199500059	2009
Afreixo, Vera Bastos, Carlos A. C. Pinho, Armando J. Garcia, Sara P. Ferreira, Paulo J. S. G. Genome analysis with inter-nucleotide distances Bioinformatics 2009 25 3064-3070	WOS:000272080800004	2009

Afreixo, Vera Bastos, Carlos A. C. Pinho, Armando J. Garcia, Sara P. Ferreira, Paulo J. S. G. Genome analysis with distance to the nearest dissimilar nucleotide Journal of Theoretical Biology 2011 275 52-58	WOS:000288406900006	2011
Moura, Gabriela Pinheiro, Miguel Arrais, Joel Gomes, Ana Cristina Carreto, Laura Freitas, Adelaide Oliveira, Jose L. Santos, Manuel A. S. Large Scale Comparative Codon-Pair Context Analysis Unveils General Rules that Fine-Tune Evolution of mRNA Primary Structure J Plos One 2007 2-9	WOS:000207455500030	2007
Afreixo, Vera Freitas, Adelaide Cramer Coefficient in Genome Evolution Advances in Bioinformatics 2010 74, 101-107	WOS:000288875100013	2010
Pinho, Armando J. Garcia, Sara P. Ferreira, Paulo J. S. G. Afreixo, Vera Bastos, Carlos A. C. Neves, Antonio J. R. Rodrigues, Joao M. O. S. Exploring Homology Using the Concept of Three-State Entropy Vector Pattern Recognition in Bioinformatics 2010 6282 161-170	WOS:000289494000014	2010
Bastos, Carlos A. C. Afreixo, Vera Pinho, Armando J. Garcia, Sara P. Rodrigues, Joao M. O. S. Ferreira, Paulo J. S. G. Distances between Dinucleotides in the Human Genome 5th International Conference on Practical Applications of Computational Biology & Bioinformatics (Pacbb 2011) 2011 93 205-211	WOS:000291366100028	2011
Macedo, P., Scotto, M., Silva, E., On the Choice of the Ridge Parameter: A Maximum Entropy Approach, Communications In Statistics - Simulation And Computation, 2010, 39 1628-1638	WOS:000281315400010	2010
Macedo, P., Scotto, M., Silva, E., A General Class of Estimators for the Linear Regression Model Affected by Collinearity and Outliers, Communications In Statistics - Simulation And Computation, 2010, 39 981-993	WOS:000277568500008	2010
Hall, Andreia; Temido, Maria da Graca; On the max-semistable limit of maxima of stationary sequences with missing values , JOURNAL OF STATISTICAL PLANNING AND INFERENCE; 2009 139 875-890	WOS:000262061300015	2009
Gomes, M. Ivette; Hall, Andreia; Miranda, M. Cristina; Subsampling techniques and the Jackknife methodology in the estimation of the extremal index; COMPUTATIONAL STATISTICS & DATA ANALYSIS; 2008, 52 2022-2041	WOS:000253283500018	2008
D. Constales, R. De Almeida, R.S. Krausshar, Wiman-Valiron theory for the Dirac-Hodge equation on upper half-space of R^{n+1} , JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, 2011, 378(1), 238- 251	WOS:000287571500024	2011

M.A. Abul-Ez, R. De Almeida, On the Lower Order of Entire Special Monogenic Functions, NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2011: INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS, AIP Conference Proceedings, 2011, 1389, 268-271	WOS:000302239800065	2011
D. Constales, R. De Almeida, R.S. Krausshar, Basics of a generalized Wiman-Valiron theory for monogenic Taylor series of finite convergence radius, MATHEMATISCHE ZEITSCHRIFT, 2010, 266(3), 665-681	WOS:000281725600009	2010
H.R. Malonek, R. De Almeida, A note on a generalized Joukowski transformation, APPLIED MATHEMATICS LETTERS, 2010, 23(10), 1174-1178	WOS:000280890900008	2010
R. Almeida, F. Bastos, A. Teixeira, On Polynomiality of a Predictor-Corrector Variant Algorithm, NUMERICAL ANALYSIS AND APPLIED MATHEMATICS, AIP Conference Proceedings, 2010, 1281, 959-962	WOS:000289661500255	2010
D. Constales, R. De Almeida, R.S. Krausshar, On a Generalization of Valiron's Inequality for k-hypermonogenic Functions on Upper Half-Space, NUMERICAL ANALYSIS AND APPLIED MATHEMATICS, AIP Conference Proceedings, 2010, 1281, 1464-1467	WOS:000289661501006	2010
A. Rouboa, E. Monteiro, R. de Almeida, Finite volume method analysis of heat transfer problem using adapted strongly implicit procedure, JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, 2009, 23(6), 1553- 1562	WOS:000266949400005	2009
E. Monteiro, R. de Almeida, L. Gonsalves, A. Rouboa, Advantages of Using a Block Unstructured Grid in a Casting Scenario, NUMERICAL ANALYSIS AND APPLIED MATHEMATICS, AIP Conference Proceedings, 2009, 1168, 625-628	WOS:000273023600151	2009
D. Constales, R. De Almeida, R.S. Krausshar, On the Growth Behavior of Hypermonogenic Functions on Upper Half-Space, NUMERICAL ANALYSIS AND APPLIED MATHEMATICS, AIP Conference Proceedings, 2009, 1168, 757-760	WOS:000273023600183	2009
D. Constales, R. De Almeida, R.S. Krausshar, Applications of the maximum term and the central index in the asymptotic growth analysis of entire solutions to higher dimensional polynomial Cauchy-Riemann equations, COMPLEX VARIABLES AND ELLIPTIC EQUATIONS, 2008, 53(3), 195-213	WOS:000207595600001	2008
R. De Almeida, H.R. Malonek, On a Higher Dimensional Analogue of the Joukowski Transformation, NUMERICAL ANALYSIS AND APPLIED MATHEMATICS, AIP CONFERENCE PROCEEDINGS, 2008, 1048, 630-633	WOS:000259567000146	2008

D. Constales, <u>R. De Almeida</u> , RS. Krausshar, On the relation between the growth and the Taylor coefficients of entire solutions to the higher-dimensional Cauchy-Riemann system in $R^{(n+1)}$, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, 2007, 327(2), 763 - 775	WOS:000242980500002	2007
D. Constales, <u>R. De Almeida</u> , RS. Krausshar, On the growth type of entire monogenic functions, ARCHIV DER MATHEMATIK , 2007, 88(2), 153-163	WOS:000244447100006	2007
E. Monteiro, <u>R. De Almeida</u> , A. Rouboa, Initial conditions optimization in casting scenario, Numerical Analysis and Applied Mathematics, AIP CONFERENCE PROCEEDINGS, 2007, 936, 655-658	WOS:000250405200162	2007
D. Constales, <u>R. De Almeida</u> , RS. Krausshar, Growth orders of monogenic functions in the ball, Numerical Analysis and Applied Mathematics, AIP CONFERENCE PROCEEDINGS, 2007, 936 , 730-733	WOS:000250405200182	2007
<u>Cerejeiras, Paula</u> , <u>Ferreira, Milton</u> , <u>Kaehler, Uwe</u> , Teschke, Gerd, Inversion of the noisy Radon transform on $SO(3)$ by Gabor frames and sparse recovery principles, APPLIED AND COMPUTATIONAL HARMONIC ANALYSIS, 2011, Volume: 31 Issue: 3, 325-345	WOS:000295420200001	2011
<u>Fei, Minggang</u> , <u>Cerejeiras, Paula</u> , <u>Kaehler, Uwe</u> , Spherical Dunkl-monogenics and a factorization of the Dunkl-Laplacian, JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 2010, Volume: 43 Issue: 44, 445202-445216	WOS:000283300800011	2010
De Ridder, Hilde; De Schepper, Hennie; <u>Kaehler, Uwe</u> ; Sommen, Frank, DISCRETE FUNCTION THEORY BASED ON SKEW WEYL RELATIONS, PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY, 2010, Volume: 138 Issue: 9, 3241-3256	WOS:000281441300023	2010
<u>Ren, Guangbin</u> ; <u>Chen, Qihui</u> ; <u>Cerejeiras, Paula</u> ; <u>Kaehler, Uwe</u> ; Chirp transforms and Chirp series, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, 2011, Volume: 373 Issue: 2 Pages: 356-369	WOS:000282353900002	2011
Bernardes, G., Bernstein, S., <u>Cerejeiras, P.</u> , <u>Kaehler, U.</u> Wavelets invariant under finite reflection groups, MATHEMATICAL METHODS IN THE APPLIED SCIENCES, 2010, Volume: 33 Issue: 4, 473-484	WOS:000275526400013	2010
<u>Cerejeiras, P.</u> ; <u>Chen, Q.</u> ; <u>Kaehler, U.</u> , A necessary and sufficient condition for a Bedrosian identity, MATHEMATICAL METHODS IN THE APPLIED SCIENCES, 2010, Volume: 33 Issue: 4 Special Issue: SI Pages: 493-500	WOS:000275526400015	2010

Fei, Minggang; Cerejeiras, Paula; Kaehler, Uwe, Fueter's theorem and its generalizations in Dunkl-Clifford analysis, JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 2009 Volume: 42 Issue: 39, 395209-395224	WOS:000269771100017	2009
Cerejeiras, Paula; Vieira, Nelson, Regularization of the non-stationary Schrodinger operator, MATHEMATICAL METHODS IN THE APPLIED SCIENCES, 2009, Volume: 32 Issue: 5 Pages: 535-555	WOS:000264474000002	2009
Ren, Guang Bin, Kaehler, Uwe, Almansi decomposition for poly-ultrahyperbolic functions, ACTA MATHEMATICA SINICA-ENGLISH SERIES, 2009, Volume: 25 Issue: 9,1561-1566	WOS:000269878500012	2009
Bernardes, Gil; Cerejeiras, Paula; Kaehler, Uwe, Fischer Decomposition and Cauchy Kernel for Dunkl-Dirac operators, ADVANCES IN APPLIED CLIFFORD ALGEBRAS, 2009, Volume: 19 Issue: 2 Pages: 163-171	WOS:000268101700002	2009
Cerejeiras, Paula, Kaehler, Uwe, Kravchenko, Vladislav V., On a factorization of the Schrodinger and Klein-Gordon operators, MATHEMATICAL METHODS IN THE APPLIED SCIENCES, 2008, Volume: 31 Issue: 14, 1722-1738	WOS:000260345100007	2008
Cerejeiras, P., Ferreira, M., Kaehler, U., Continuous wavelet transform and wavelet frames on the sphere using Clifford analysis, COMMUNICATIONS ON PURE AND APPLIED ANALYSIS, 2007, Volume: 6 Issue: 3, 619-641	WOS:000246796900005	2007
Cerejeiras, P.; Vieira, N., Fundamental solutions of the instationary Schrodinger difference operator, JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS, 2010, Volume: 16 Issue: 11 Pages: 1349-1365	WOS:000283879100007	2010
Faustino, Nelson, Kaehler, Uwe, Sommen, Frank, Discrete Dirac operators in Clifford analysis, ADVANCES IN APPLIED CLIFFORD ALGEBRAS, 2007, Volume: 17 Issue: 3, 451-467	WOS:000249225400011	2007
Guerlebeck, Klaus; Morais, Joao; Cerejeiras, Paula, Borel-Caratheodory Type Theorem for Monogenic Functions, COMPLEX ANALYSIS AND OPERATOR THEORY, 2009, Volume: 3 Issue: 1 Pages: 99-112	WOS:000264179800004	2009
Faustino, N., Kaehler, U., Fischer decomposition for difference Dirac operators, ADVANCES IN APPLIED CLIFFORD ALGEBRAS, 2007, Volume: 17 Issue: 1, 37-58	WOS:000246538500003	2007

Cerejeiras, P.; Faustino, N.; Vieira, N., Numerical Clifford analysis for nonlinear Schrodinger problem, NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, 2008, Volume: 24 Issue: 4 Pages: 1181-1202	WOS:000256459900008	2008
Cerejeiras, Paula, Ferreira, Milton, Kaehler, Uwe, Clifford analysis and the continuous spherical wavelet transform, in Tao, Q; Mang, V; Xu, Y, Wavelet Analysis and Applications, Book Series: APPLIED AND NUMERICAL HARMONIC ANALYSIS 2007 173-184	WOS:000245342000015	2007
Cerejeiras, Paula; Vieira, Nelson, Factorization of the non-stationary Schrodinger operator, ADVANCES IN APPLIED CLIFFORD ALGEBRAS, 2007, Volume: 17 Issue: 3 Pages: 331-341	WOS:000249225400003	2007
Cerejeiras, P.; Sommen, F.; Vieira, N., Fischer decomposition and special solutions for the parabolic Dirac operator, MATHEMATICAL METHODS IN THE APPLIED SCIENCES, 2007, Volume: 30 Issue: 9 Pages: 1057-1069	WOS:000246765800005	2007
Bernstein, S.; Cerejeiras, P., Carleson measure and monogenic functions, STUDIA MATHEMATICA, 2007, Volume: 180 Issue: 1 Pages: 11-25	WOS:000248660300002	2007
Ren, GuangBin, Howe duality in Dunkl superspace, SCIENCE CHINA-MATHEMATICS, 2010, Volume: 53 Issue: 12, 3153-3162	WOS:000285366000010	2010
Chen YingWei, Ren GuangBin, Jackson's theorem in $Q(p)$ spaces, SCIENCE CHINA-MATHEMATICS, 2010, Volume: 53 Issue: 2, 367-372	WOS:000276596100010	2010
Ren, Guangbin, Chen, Yingwei, Gradient estimates and Jackson's theorem in $Q(\mu)$ spaces related to measures, JOURNAL OF APPROXIMATION THEORY, 2008, Volume: 155 Issue: 2, 97-110	WOS:000261895600002	2008
Chen, Qihui; Micchelli, Charles A.; Wang, Yi, FUNCTIONS WITH SPLINE SPECTRA AND THEIR APPLICATIONS, INTERNATIONAL JOURNAL OF WAVELETS MULTIREOLUTION AND INFORMATION PROCESSING, 2010, Volume: 8 Issue: 2 Pages: 197-223	WOS:000278193700002	2010
Ren, Guangbin, Liu, Liang, Liouville Theorem for Dunkl Polyharmonic Functions, SYMMETRY INTEGRABILITY AND GEOMETRY-METHODS AND APPLICATIONS, 2008, Volume: 4, 76-82.	WOS:000267267800076	2008

Chen, Qihui; Qian, Tao, Sampling theorem and multi-scale spectrum based on non-linear Fourier atoms, APPLICABLE ANALYSIS, 2009, Volume: 88 Issue: 6 Pages: 903-919	WOS:000268701700007	2009
Cacao, I.; Falcao, M. I.; Malonek, H. R., Laguerre derivative and monogenic Laguerre polynomials: An operational approach, Mathematical and Computer Modelling, 2011, 53, 5-6, 1084-1094	WOS:000286458200055	2011
Cacao, I., Falcao, M. I., Malonek, H. R., On Generalized Hypercomplex Laguerre-Type Exponentials and Applications, Lecture Notes in Computer Science, 2011, Volume 6784, Pages 271-286.	WOS:000305901300022	2011
Cruz, C., Falcao, M. I., Malonek, H. R., 3D Mappings by Generalized Joukowski Transformations, Lecture Notes in Computer Science, 2011, Volume 6784, Pages 358-373.	WOS:000305901300028	2011
Falcao, M. I., Miranda, F., Quaternions: A Mathematica Package for Quaternionic Analysis, Lecture Notes in Computer Science, 2011, Volume 6784, Pages 200-214.	WOS:000305901300017	2011
Faustino, N.; Vieira, N., Numerical Clifford analysis for the non-stationary Schrodinger equation, Numerical Analysis and Applied Mathematics, ICNAAM 2007: International Conference on Numerical Analysis and Applied Mathematics, AIP Conference Proceedings, 2007, Vol. 936, 742-745.	WOS:000250405200185	2007
Ferreira, M., Spherical Wavelet transform, Advances in Applied Clifford Algebras 2008, vol. 18 - Proceedings Paper 7th International Conference on Clifford Algebras and Their Applications, Toulouse, Univ. Paul Sabatier, 611-619.	WOS:000259264600020	2008
Ferreira, M., Spherical Continuous wavelet transforms arising from sections of the Lorentz group, Appl. Comput. Harmon. Anal., 2009, 26 (2), 212-229.	WOS:000263728400005	2009
Ferreira, M., Factorizations of Möbius gyrogroups, Advances in Applied Clifford Algebras, 2009, 19 (2), 303-323.	WOS:000268101700011	2009
Ferreira, M., Ren, G., Möbius gyrogroups: A Clifford algebra approach, J. Algebra, 2011, 328 (1), 230-253.	WOS:000286447400014	2011

Ferreira, M., Gyrogroups in Projective Hyperbolic Clifford Analysis, Book series: Trends in Mathematics, 2011, 61-80.	WOS:000307314600005	2011
Ren, Guangbin; Malonek, Helmuth R., Almansı decomposition for Dunkl-Helmholtz operators, Wavelet Analysis and Applications Book Series: APPLIED AND NUMERICAL HARMONIC ANALYSIS, 2007, 35-42	WOS:000245342000004	2007
Malonek, H. R.; Falcao, M. I., Special monogenic polynomials - Properties and applications, Numerical Analysis and Applied Mathematics Book Series: AIP CONFERENCE PROCEEDINGS, 2007, Volume: 936 Pages: 764-767	WOS:000250405200191	2007
Falcao, M. I.; Malonek, H. R., Generalized exponentials through Appell sets in R^{n+1} and Bessel functions, Numerical Analysis and Applied Mathematics Book Series: AIP CONFERENCE PROCEEDINGS 2007, Volume: 936 Pages: 738-741	WOS:000250405200184	2007
Ren, Guangbin; Malonek, Helmuth R., Decomposing kernels of iterated operators - A unified approach, MATHEMATICAL METHODS IN THE APPLIED SCIENCES 2007, Volume: 30 Issue: 9 Pages: 1037-1047	WOS:000246765800003	2007
Malonek, H. R.; Falcao, M. I., Clifford Analysis between Continuous and Discrete, NUMERICAL ANALYSIS AND APPLIED MATHEMATICS Book Series: AIP CONFERENCE PROCEEDINGS, 2008, Volume: 1048 Pages: 682-685	WOS:000259567000159	2008
Cacao, I.; Malonek, H., On Complete Sets of Hypercomplex Appell Polynomials, NUMERICAL ANALYSIS AND APPLIED MATHEMATICS Book Series: AIP CONFERENCE PROCEEDINGS, 2008, Volume: 1048 Pages: 647-650	WOS:000259567000150	2008
Malonek, H., Tomaz, G., Bernoulli polynomials and Pascal matrices in the context of Clifford analysis, DISCRETE APPLIED MATHEMATICS 2009, Volume: 157 Issue: 4 Pages: 838-847	WOS:000264226600028	2009
Tomaz, G., Malonek, H., Special Block Matrices and Multivariate Polynomials, NUMERICAL ANALYSIS AND APPLIED MATHEMATICS, VOLS I-III Book Series: AIP Conference Proceedings, 2010, Volume: 1281 Pages: 1515-1518	WOS:000289661501019	2010
Malonek, H., Falcão, M. I., On Special Functions in the Context of Clifford Analysis, NUMERICAL ANALYSIS AND APPLIED MATHEMATICS, VOLS I-III Book Series: AIP Conference Proceedings, 2010, Volume: 1281 Pages: 1492-1495 Published: 2010	WOS:000289661501013	2010

Ren, Guangbin; Malonek, Helmuth R., Decomposition of Polyharmonic Functions with Respect to the Complex Dunkl Laplacian, JOURNAL OF INEQUALITIES AND APPLICATIONS , 2010, Article Number: 947518	WOS:000278507700001	2010
I. Cação, D. Constaes, R.S. Kraußhar, On the role of hypergeometric functions in Dirac type equations, AIP Conf. Proc., (2007) 936, 726-729.	: WOS:000250405200181	2007
I. Cação, D. Constaes, R.S. Krausshar, On rotational symmetric Dirac equations and hypergeometric functions I, Arch. Math., (2008) vol. 90, No. 5, 440-449.	WOS:000256099000007	2008
I. Cação, D. Constaes, R.S. Krausshar, Explicit representations of the regular solutions to the time-harmonic Maxwell equations combined with the radial symmetric Euler operator, Mathematical Methods in the Applied Sciences, (2009) 32 No.1, 1-11.	: WOS:000262275100001	2009
I. Cação, Complete orthonormal sets of polynomial solutions of the Riesz and Moisil-Teodorescu systems in R^3 , Numer. Algor. (2010), 55 , 191-203.	WOS:000281792800004	2010
I. Cação, Monogenic generalized Hermite polynomials and associated Hermite-Bessel functions, AIP Conf. Proc. (2010), 1281, 1455-1458.	WOS:000289661501004	2010
I. Cação, H. R. Malonek: On a hypercomplex generalization of Gould-Hopper and related Chebyshev polynomials, ICCSA2011-11th International Conference on Computational Science and its Applications, Lecture Notes in Computer Science, 2011, Vol. 6784/2011, 316-326.	WOS:000305901300025	2011
Dixan Peña Peña, Frank Sommen, Monogenic Gaussian distribution in closed form and the Gaussian fundamental solution. Complex Variables and Elliptic Equations, 2009, 54, no. 5, 429-440.	WOS:000279109100002	2009
Dixan Peña Peña, Frank Sommen, Fueter's theorem: the saga continues. Journal of Mathematical Analysis and Applications, 2010, 365 (1), 29-35.	WOS:000274061800004	2010
Ricardo Abreu Blaya, Juan Bory Reyes, Dixan Peña Peña, Frank Sommen, A holomorphic extension theorem using Clifford analysis. Complex Analysis and Operator Theory, 2011, 5, no. 1, 113-130.	WOS:000287509500005	2011

Barrios Rolania, D.; Branquinho, A.; <u>Moreno, A. Foulquie</u> , On the relation between the full Kostant-Toda lattice and multiple orthogonal polynomials, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, 2011, Volume: 377 Issue: 1 Pages: 228-238	WOS:000286493500019	2011
A Branquinho, L Cotrim, <u>AF Moreno</u> , Matrix interpretation of multiple orthogonality, NUMERICAL ALGORITHMS , 2010, Volume: 55 Issue: 1 Pages: 19-37	WOS:000280820700002	2010
D Barros Rolania, A Branquinho, <u>AF Moreno</u> , Dynamics and interpretation of some integrable systems via multiple orthogonal polynomials, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, 2010, Volume: 361 Issue: 2 Pages: 358-370	WOS:000270865400007	2010
A Branquinho, U Fidalgo, <u>AF Moreno</u> , Riemann-Hilbert problem associated with Angelesco systems, JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, 2009, Volume: 233 Issue: 3 Pages: 643-651	WOS:000271346000008	2009
A Branquinho, <u>AF Moreno</u> , F Marcellán, MN Rebocho, Coherent pairs of linear functionals on the unit circle, JOURNAL OF APPROXIMATION THEORY, 2008, Volume: 153 Issue: 1 Pages: 122-137	WOS:000257875700009	2008
<u>Foulquie Moreno, A.</u> ; Martinez-Finkelshtein, A.; <u>Sousa, V. L.</u> , Asymptotics of Orthogonal Polynomials for a Weight with a Jump on [-1,1], CONSTRUCTIVE APPROXIMATION, 2011, Volume: 33 Issue: 2 Pages: 219-271	WOS:000288680800004	2011
<u>Moreno, A. Foulquie</u> ; Martinez-Finkelshtein, A.; <u>Sousa, V. L.</u> , On a conjecture of A. Magnus concerning the asymptotic behavior of the recurrence coefficients of the generalized Jacobi polynomials, JOURNAL OF APPROXIMATION THEORY, 2010, Volume: 162 Issue: 4 Pages: 807-831	WOS:000276696200011	2010
<u>Moreno, Ana Foulquie</u> , RIEMANN-HILBERT PROBLEM FOR A GENERALIZED NIKISHIN SYSTEM, DIFFERENCE EQUATIONS, SPECIAL FUNCTIONS AND ORTHOGONAL POLYNOMIALS, 2007, Pages: 412-421	WOS:000261024200035	2007
Malonek, H. R.; Falcão, M. I., 3D-mappings by means of monogenic functions and their approximation, MATHEMATICAL METHODS IN THE APPLIED SCIENCES, (2010), 33, 423-430	WOS: 000275526400006	2010
Malonek, H. R., <u>Tomaz, G.</u> ; Laguerre Polynomials in Several Hypercomplex Variables and Their Matrix Representation, ICCSA2011-11th International Conference on Computational Science and its Applications, Lecture Notes in Computer Science, 2011, Vol. 6784/2011, 261-270	WOS: 000305901300021	2011