Amin Boumenir

List of Publications by Year
in descending order

65 papers	389 citations	933447 10 h-index	839539 18 g-index
66 all docs	66 docs citations	66 times ranked	118 citing authors

#	Article	IF	Citations
1	Reconstructing a fractional integro€differential equation. Mathematical Methods in the Applied Sciences, 2021, 44, 3159-3166.	2.3	1
2	Recovery of a fractional diffusion equation from a single boundary measurement. Mathematical Methods in the Applied Sciences, 2021, 44, 7897-7903.	2.3	0
3	Recovery of a quadratic analytic pencil. Inverse Problems in Science and Engineering, 2021, 29, 882-902.	1.2	1
4	Sampling eigenvalues by Hermite revisited. International Journal of Computer Mathematics, 2020, 97, 1380-1390.	1.8	0
5	Monitoring the temperature of a direct contact membrane distillation. Mathematical Methods in the Applied Sciences, 2020, 43, 1399-1408.	2.3	2
6	Reconstructing the shape of a domain from one point measurements. Journal of Mathematical Analysis and Applications, 2020, 491, 124262.	1.0	0
7	The reconstruction of a wave equation from one side measurement. Wave Motion, 2020, 95, 102547.	2.0	0
8	Transmutation Operators and Their Applications. Trends in Mathematics, 2020, , 11-47.	0.1	0
9	Reconstructing The Moore-Gibson-Thompson Equation. Nonautonomous Dynamical Systems, 2020, 7, 219-223.	0.7	2
10	A Fractional Inverse Initial Value Problem. Advances in Mechanics and Mathematics, 2019, , 387-402.	0.7	1
11	Series solutions of a semilinear wave equation. Mathematical Methods in the Applied Sciences, 2019, 42, 5052-5059.	2.3	0
12	Sampling and the Eigenvalues of a Quadratic Pencil. Sampling Theory in Signal and Information Processing, 2019, 18, 9-22.	0.2	2
13	Determining the shape of a solid of revolution. Mathematical Control and Related Fields, 2019, 9, 509-515.	1.1	0
14	One point recovery of a parabolic equation. Journal of Mathematical Analysis and Applications, 2018, 463, 161-166.	1.0	2
15	Recovery of the heat equation from a single boundary measurement. Applicable Analysis, 2018, 97, 1667-1676.	1.3	3
16	The reconstruction of an equation of visco-elasticity. Nonautonomous Dynamical Systems, 2018, 5, 152-154.	0.7	2
17	The recovery of a parabolic equation from measurements at a single point. Evolution Equations and Control Theory, 2018, 7, 197-216.	1.3	4
18	Reconstruction of the coefficients of a star graph from observations of its vertices. Inverse Problems and Imaging, 2018, 12, 1293-1308.	1.1	3

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19	A solvability condition for a tokamak problem. Journal of Spectral Theory, 2017, 7, 227-233.	0.8	0
20	The reconstruction of a parabolic system. Mathematical Methods in the Applied Sciences, 2017, 40, 5881-5892.	2.3	1
21	The reconstruction of a source and a potential from boundary measurements. Journal of Mathematical Analysis and Applications, 2016, 435, 800-808.	1.0	4
22	Recovery of Holomorphic Functions and Taylor Coefficients by Sampling. Trends in Mathematics, 2015, , 531-543.	0.1	2
23	Identification of a wave equation generated by a string. ESAIM - Control, Optimisation and Calculus of Variations, 2014, 20, 1203-1213.	1.3	0
24	The recovery of the acoustic stiffness coefficient. Mathematical Methods in the Applied Sciences, 2014, 37, 1610-1623.	2.3	0
25	Recovery of a parabolic equation generated by a Krein string. Journal of Mathematical Analysis and Applications, 2014, 420, 1408-1415.	1.0	2
26	Detection of multilayered media in the acoustic waveguide. Journal of Mathematical Analysis and Applications, 2014, 415, 846-872.	1.0	0
27	Blow up of series solutions. Journal of Applied Mathematics and Computing, 2013, 42, 469-478.	2.5	1
28	The Approximation of Eigencurves by Sampling. Sampling Theory in Signal and Information Processing, 2013, 12, 127-137.	0.2	2
29	Reconstruction of the Refraction Index in Stratified Ocean. SIAM Journal on Applied Mathematics, 2011, 71, 972-982.	1.8	2
30	An inverse problem for the wave equation. Journal of Inverse and Ill-Posed Problems, 2011, 19, 573-592.	1.0	8
31	Recovery of the heat coefficient by two measurements. Inverse Problems and Imaging, 2011, 5, 775-791.	1.1	14
32	Representation and sampling of Hardy functions. Mathematical Methods in the Applied Sciences, 2010, 33, 485-492.	2.3	10
33	Recovery of a Heat Equation by Four Measurements at One End. Numerical Functional Analysis and Optimization, 2010, 31, 155-163.	1.4	10
34	An inverse problem for the heat equation. Proceedings of the American Mathematical Society, 2010, 138, 3911-3911.	0.8	23
35	The Gelfand-Levitan Theory for Strings. , 2010, , 115-136.		2
36	Inverse Problems for Multidimensional Heat Equations by Measurements at a Single Point on the Boundary. Numerical Functional Analysis and Optimization, 2009, 30, 1215-1230.	1.4	12

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37	The Determinant Method for Nonselfadjoint Singular Sturm â€" Liouville Problems. Computational Methods in Applied Mathematics, 2009, 9, 113-122.	0.8	2
38	The recovery of even polynomial potentials. Applied Mathematics and Computation, 2009, 215, 2914-2926.	2.2	2
39	Frequency modules and nonexistence of quasi-periodic solutions of nonlinear evolution equations. Semigroup Forum, 2008, 76, 58-70.	0.6	3
40	Perron Theorem in the monotone iteration method for traveling waves in delayed reactionâ€"diffusion equations. Journal of Differential Equations, 2008, 244, 1551-1570.	2.2	35
41	Blind Sampling. Sampling Theory in Signal and Information Processing, 2008, 7, 131-140.	0.2	1
42	Sampling Eigenvalues in Hardy Spaces. SIAM Journal on Numerical Analysis, 2007, 45, 473-483.	2.3	20
43	The interpolation of the Titchmarshâ€"Weyl function. Journal of Mathematical Analysis and Applications, 2007, 335, 72-78.	1.0	8
44	SAMPLING IN PALEY-WIENER AND HARDY SPACES. , 2007, , 175-209.		3
45	Power series solutions for the KPP equation. Numerical Algorithms, 2006, 43, 177-187.	1.9	4
46	The Gelfand-Levitan Theory Revisited. Journal of Fourier Analysis and Applications, 2006, 12, 257-267.	1.0	4
47	Sampling the miss-distance and transmission function. Journal of Mathematical Analysis and Applications, 2005, 310, 197-208.	1.0	4
48	[Equivalence of Kramer and Shannon sampling Theorems]The Equivalence of Kramer and Shannon sampling Theorems Revisited. Sampling Theory in Signal and Information Processing, 2005, 4, 251-269.	0.2	3
49	Sampling for the fourth-order Sturmâ€"Liouville differential operator. Journal of Mathematical Analysis and Applications, 2003, 278, 542-550.	1.0	11
50	A diffusion inventory model for deteriorating items. Applied Mathematics and Computation, 2003, 138, 21-39.	2.2	25
51	Sampling and Eigenvalues of Non-Self-Adjoint Sturm--Liouville Problems. SIAM Journal of Scientific Computing, 2001, 23, 219-229.	2.8	24
52	A stochastic inventory model with stock dependent demand items. Journal of Applied Mathematics and Stochastic Analysis, 2001, 14, 317-328.	0.3	10
53	Higher Approximation of Eigenvalues by the Sampling Method. BIT Numerical Mathematics, 2000, 40, 215-225.	2.0	24
54	The sampling method for sturm-liouville problems with the eigenvalue parameter in the boundary condition.. Numerical Functional Analysis and Optimization, 2000, 21, 67-75.	1.4	17

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55	Eigenvalues of periodic Sturm-Liouville problems by the Shannon-Whittaker sampling theorem. Mathematics of Computation, 1999, 68, 1057-1067.	2.1	27
56	The recovery of analytic potentials. Inverse Problems, 1999, 15, 1405-1423.	2.0	8
57	Irregular sampling and the inverse spectral problem. Journal of Fourier Analysis and Applications, 1999, 5, 373-383.	1.0	6
58	Inverse Spectral Problem for the Laguerre Differential Operator. Journal of Mathematical Analysis and Applications, 1998, 224, 218-240.	1.0	4
59	Extending solutions beyond blow-up. Nonlinear Analysis: Theory, Methods & Applications, 1996, 26, 755-760.	1.1	1
60	Study of the Blow-up Set by Transformation. Journal of Mathematical Analysis and Applications, 1996, 201, 697-714.	1.0	3
61	Construction of a transformation operator. Journal of Mathematical Physics, 1995, 36, 5305-5309.	1.1	3
62	Transmutation of operators with disjoint spectra. Applicable Analysis, 1995, 58, 303-311.	1.3	1
63	Direct computation of the spectral function. Proceedings of the American Mathematical Society, 1995, 123, 3431-3436.	0.8	3
64	A comparison theorem for selfadjoint operators. Proceedings of the American Mathematical Society, 1991, 111, 161-175.	0.8	16
65	Reconstructing the wave speed and the source. Mathematical Methods in the Applied Sciences, 0, , .	2.3	1