

Michael Ruzhansky

List of Publications by Year in descending order

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231
papers

2,922
citations

270111

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docs citations

242
times ranked

518
citing authors

#	ARTICLE	IF	CITATIONS
1	Boundedness of (k, a) -Fourier Multipliers with Applications to Nonlinear Equations. <i>International Mathematics Research Notices</i> , 2023, 2023, 1073-1093.	0.5	5
2	Global existence and blow-up of solutions to porous medium equation and pseudo-parabolic equation, I. Stratified groups. <i>Manuscripta Mathematica</i> , 2023, 171, 377-395.	0.3	4
3	Solvability of the boundary-value problem for a mixed equation involving hyperbolic Bessel fractional differential operator and biordinal Hilfer fractional derivative. <i>Mathematical Methods in the Applied Sciences</i> , 2023, 46, 54-70.	1.2	5
4	Some properties relating to the Mittag-Leffler function of two variables. <i>Integral Transforms and Special Functions</i> , 2022, 33, 400-418.	0.8	3
5	Direct and inverse problems for time-fractional pseudo-parabolic equations. <i>Quaestiones Mathematicae</i> , 2022, 45, 1071-1089.	0.2	3
6	A comparison principle for higher order nonlinear hypoelliptic heat operators on graded Lie groups. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2022, 215, 112621.	0.6	6
7	Existence and non-existence of global solutions for semilinear heat equations and inequalities on sub-Riemannian manifolds, and Fujita exponent on unimodular Lie groups. <i>Journal of Differential Equations</i> , 2022, 308, 455-473.	1.1	6
8	Discrete time-dependent wave equations I. Semiclassical analysis. <i>Journal of Differential Equations</i> , 2022, 317, 89-120.	1.1	3
9	Fractional Schrödinger Equations with Singular Potentials of Higher Order. II: Hypoelliptic Case. <i>Reports on Mathematical Physics</i> , 2022, 89, 59-79.	0.4	4
10	The Heat Equation with Singular Potentials. II: Hypoelliptic Case. <i>Acta Applicandae Mathematicae</i> , 2022, 179, 1.	0.5	2
11	Global hypoellipticity and global solvability for vector fields on compact Lie groups. <i>Journal of Functional Analysis</i> , 2021, 280, 108806.	0.7	6
12	Sobolev, Hardy, Gagliardo-Nirenberg, and Caffarelli-Kohn-Nirenberg-type inequalities for some fractional derivatives. <i>Banach Journal of Mathematical Analysis</i> , 2021, 15, 1.	0.4	2
13	Subelliptic Gevrey spaces. <i>Mathematische Nachrichten</i> , 2021, 294, 265-285.	0.4	2
14	Time-Dependent Wave Equations on Graded Groups. <i>Acta Applicandae Mathematicae</i> , 2021, 171, 1.	0.5	6
15	Fractional Klein-Gordon equation with singular mass. <i>Chaos, Solitons and Fractals</i> , 2021, 143, 110579.	2.5	13
16	Fractional Schrödinger Equation with Singular Potentials of Higher Order. <i>Reports on Mathematical Physics</i> , 2021, 87, 129-144.	0.4	10
17	Eigenfunction Expansions of Ultradifferentiable Functions and Ultradistributions. III. Hilbert Spaces and Universality. <i>Journal of Fourier Analysis and Applications</i> , 2021, 27, 1.	0.5	0
18	Approximations in L^1 with convergent Fourier series. <i>Mathematische Zeitschrift</i> , 2021, 299, 1907-1927.	0.4	0

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19	L^p -Bounds for Pseudo-differential Operators on Graded Lie Groups. Journal of Geometric Analysis, 2021, 31, 11603-11647.	0.5	4
20	The heat equation with strongly singular potentials. Applied Mathematics and Computation, 2021, 399, 126006.	1.4	6
21	Hardy inequalities on metric measure spaces, II: the case $p > q$. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, .	1.0	4
22	Non-harmonic Gohberg's lemma, Gershgorin theory and heat equation on manifolds with boundary. Mathematische Nachrichten, 2021, 294, 1783-1820.	0.4	1
23	Explicit solutions for linear variable-coefficient fractional differential equations with respect to functions. Applied Mathematics and Computation, 2021, 403, 126177.	1.4	22
24	On a class of anharmonic oscillators. Journal Des Mathematiques Pures Et Appliquees, 2021, 153, 1-29.	0.8	8
25	Van der Corput lemmas for Mittag-Leffler functions. II. \pm directions. Bulletin Des Sciences Mathematiques, 2021, 171, 103016.	0.5	1
26	Schatten-von Neumann classes of integral operators. Journal Des Mathematiques Pures Et Appliquees, 2021, 154, 1-29.	0.8	4
27	Hardy, weighted Trudinger-Moser and Caffarelli-Kohn-Nirenberg type inequalities on Riemannian manifolds with negative curvature. Journal of Mathematical Analysis and Applications, 2021, , 125795.	0.5	0
28	Green's Identities, Comparison Principle and Uniqueness of Positive Solutions for Nonlinear p -sub-Laplacian Equations on Stratified Lie Groups. Potential Analysis, 2020, 53, 645-658.	0.4	6
29	L-L multipliers on locally compact groups. Journal of Functional Analysis, 2020, 278, 108324.	0.7	16
30	Pseudo-differential operators with nonlinear quantizing functions. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2020, 150, 103-130.	0.8	2
31	Bitsadze's Samarskii type problem for the integro-differential diffusion-wave equation on the Heisenberg group. Integral Transforms and Special Functions, 2020, 31, 1-9.	0.8	5
32	Fractional logarithmic inequalities and blow-up results with logarithmic nonlinearity on homogeneous groups. Nonlinear Differential Equations and Applications, 2020, 27, 1.	0.4	3
33	Very weak solutions to hypoelliptic wave equations. Journal of Differential Equations, 2020, 268, 2063-2088.	1.1	16
34	Hardy and Rellich inequalities for anisotropic p -sub-Laplacians. Banach Journal of Mathematical Analysis, 2020, 14, 380-398.	0.4	4
35	Best constants in Sobolev and Gagliardo-Nirenberg inequalities on graded groups and ground states for higher order nonlinear subelliptic equations. Calculus of Variations and Partial Differential Equations, 2020, 59, 1.	0.9	8
36	Re-expansions on compact Lie groups. Analysis and Mathematical Physics, 2020, 10, 1.	0.6	1

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37	Partial Fourier series on compact Lie groups. Bulletin Des Sciences Mathematiques, 2020, 160, 102853.	0.5	6
38	Euler semigroup, Hardy-Sobolev and Gagliardo-Nirenberg type inequalities on homogeneous groups. Semigroup Forum, 2020, 101, 162-191.	0.3	1
39	Difference equations and pseudo-differential operators on \mathbb{Z}^n . Journal of Functional Analysis, 2020, 278, 108473.	0.7	16
40	Subelliptic geometric Hardy type inequalities on half-spaces and convex domains. Annals of Functional Analysis, 2020, 11, 1042-1061.	0.3	4
41	Hyperbolic systems with non-diagonalisable principal part and variable multiplicities, II: Microlocal analysis. Journal of Differential Equations, 2020, 269, 7881-7905.	1.1	3
42	Hausdorff-Young inequality for Orlicz spaces on compact homogeneous manifolds. Indagationes Mathematicae, 2020, 31, 266-276.	0.2	1
43	Hypergeometric Expansions of Solutions of the Degenerating Model Parabolic Equations of the Third Order. Lobachevskii Journal of Mathematics, 2020, 41, 27-31.	0.1	11
44	On a Non-Local Problem for a Multi-Term Fractional Diffusion-Wave Equation. Fractional Calculus and Applied Analysis, 2020, 23, 324-355.	1.2	24
45	A parallel hybrid implementation of the 2D acoustic wave equation. International Journal of Nonlinear Sciences and Numerical Simulation, 2020, 21, 821-827.	0.4	2
46	Geometric Hardy and Hardy-Sobolev inequalities on Heisenberg groups. Bulletin of Mathematical Sciences, 2020, 10, 2050016.	0.5	3
47	Hardy-Littlewood, Hausdorff-Young-Paley inequalities, and L-L Fourier multipliers on compact homogeneous manifolds. Journal of Mathematical Analysis and Applications, 2019, 479, 1519-1548.	0.5	14
48	Chapter 9 Uncertainty Relations on Homogeneous Groups. Progress in Mathematics, 2019, , 389-403.	0.2	0
49	Chapter 10 Function Spaces on Homogeneous Groups. Progress in Mathematics, 2019, , 405-450.	0.2	0
50	Chapter 11 Elements of Potential Theory on Stratified Groups. Progress in Mathematics, 2019, , 451-500.	0.2	0
51	Chapter 1 Analysis on Homogeneous Groups. Progress in Mathematics, 2019, , 11-70.	0.2	0
52	Chapter 2 Hardy Inequalities on Homogeneous Groups. Progress in Mathematics, 2019, , 71-127.	0.2	0
53	Chapter 3 Rellich, Caffarelli-Kohn-Nirenberg, and Sobolev Type Inequalities. Progress in Mathematics, 2019, , 129-189.	0.2	0
54	Chapter 4 Fractional Hardy Inequalities. Progress in Mathematics, 2019, , 191-235.	0.2	0

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55	Chapter 5 Integral Hardy Inequalities on Homogeneous Groups. Progress in Mathematics, 2019, , 237-269.	0.2	0
56	Chapter 6 Horizontal Inequalities on Stratified Groups. Progress in Mathematics, 2019, , 271-329.	0.2	0
57	Chapter 7 Hardyâ€™Rellich Inequalities and Fundamental Solutions. Progress in Mathematics, 2019, , 331-372.	0.2	0
58	Chapter 8 Geometric Hardy Inequalities on Stratified Groups. Progress in Mathematics, 2019, , 373-388.	0.2	0
59	Acoustic and Shallow Water Wave Propagation with Irregular Dissipation. Functional Analysis and Its Applications, 2019, 53, 153-156.	0.1	4
60	Hardy Inequalities on Homogeneous Groups. Progress in Mathematics, 2019, , .	0.2	68
61	New Progress on Weighted Trudingerâ€™Moser and Gagliardoâ€™Nirenberg, and Critical Hardy Inequalities on Stratified Groups. Applied and Numerical Harmonic Analysis, 2019, , 277-289.	0.1	3
62	A local-to-global boundedness argument and Fourier integral operators. Journal of Mathematical Analysis and Applications, 2019, 473, 892-904.	0.5	8
63	Hardy inequalities on metric measure spaces. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2019, 475, 20180310.	1.0	9
64	On the Gevrey well-posedness of the Kirchhoff equation. Journal D'Analyse Mathematique, 2019, 137, 449-468.	0.4	3
65	Hardyâ€™Littlewoodâ€™Sobolev and Steinâ€™Weiss inequalities on homogeneous Lie groups. Integral Transforms and Special Functions, 2019, 30, 643-655.	0.8	9
66	Weighted anisotropic Hardy and Rellich type inequalities for general vector fields. Nonlinear Differential Equations and Applications, 2019, 26, 1.	0.4	2
67	On spectral and boundary properties of the volume potential for the Helmholtz equation. Mathematical Modelling of Natural Phenomena, 2019, 14, 502.	0.9	0
68	Wave propagation with irregular dissipation and applications to acoustic problems and shallow waters. Journal Des Mathematiques Pures Et Appliquees, 2019, 123, 127-147.	0.8	15
69	Inverse source problems for positive operators. I: Hypoelliptic diffusion and subdiffusion equations. Journal of Inverse and Ill-Posed Problems, 2019, 27, 891-911.	0.5	26
70	Weighted L^p -Hardy and L^p . Revista Matematica Complutense, 2019, 32, 19-35.	0.7	7
71	Titchmarsh theorems for Fourier transforms of Hölderâ€™Lipschitz functions on compact homogeneous manifolds. Monatshefte Fur Mathematik, 2019, 189, 23-49.	0.5	17
72	L^p -Caffarelliâ€™Kohnâ€™Nirenberg type inequalities on homogeneous groups. Quarterly Journal of Mathematics, 2019, 70, 305-318.	0.3	11

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73	Quantizations on Nilpotent Lie Groups and Algebras Having Flat Coadjoint Orbits. <i>Journal of Geometric Analysis</i> , 2019, 29, 2823-2861.	0.5	7
74	-BOUNDS FOR PSEUDO-DIFFERENTIAL OPERATORS ON COMPACT LIE GROUPS. <i>Journal of the Institute of Mathematics of Jussieu</i> , 2019, 18, 531-559.	0.4	19
75	Limiting cases of Sobolev inequalities on stratified groups. <i>Proceedings of the Japan Academy Series A: Mathematical Sciences</i> , 2019, 95, .	0.3	3
76	Critical Hardy inequalities. <i>Annales Academiae Scientiarum Fennicae Mathematica</i> , 2019, 44, 1159-1174.	0.7	5
77	Hardy inequalities for Landau Hamiltonian and for Baouendi-Grushin operator with Aharonov-Bohm type magnetic field. Part I. <i>Mathematica Scandinavica</i> , 2019, 125, 239-269.	0.1	4
78	Convolution, Fourier analysis, and distributions generated by Riesz bases. <i>Monatshefte Fur Mathematik</i> , 2018, 187, 147-170.	0.5	9
79	Sobolev Type Inequalities, Eulerâ€“Hilbertâ€“Sobolev and Sobolevâ€“Lorentzâ€“Zygmund Spaces on Homogeneous Groups. <i>Integral Equations and Operator Theory</i> , 2018, 90, 1.	0.4	7
80	Hyperbolic systems with non-diagonalisable principal part and variable multiplicities, I: well-posedness. <i>Mathematische Annalen</i> , 2018, 372, 1597-1629.	0.7	5
81	Extended Caffarelli-Kohn-Nirenberg inequalities, and remainders, stability, and superweights for \mathbb{R}^n -weighted Hardy inequalities. <i>Transactions of the American Mathematical Society Series B</i> , 2018, 5, 32-62.	0.6	25
82	Rellich inequalities for sub-Laplacians with drift. <i>Proceedings of the American Mathematical Society</i> , 2018, 147, 1335-1349.	0.4	2
83	A comparison principle for nonlinear heat Rockland operators on graded groups. <i>Bulletin of the London Mathematical Society</i> , 2018, 50, 753-758.	0.4	6
84	Eigenfunction expansions of ultradifferentiable functions and ultradistributions. II. Tensor representations. <i>Transactions of the American Mathematical Society Series B</i> , 2018, 5, 81-101.	0.6	2
85	Smooth Dense Subalgebras and Fourier Multipliers on Compact Quantum Groups. <i>Communications in Mathematical Physics</i> , 2018, 362, 761-799.	1.0	11
86	On a Very Weak Solution of the Wave Equation for a Hamiltonian in a Singular Electromagnetic Field. <i>Mathematical Notes</i> , 2018, 103, 856-858.	0.1	7
87	Fourier multipliers, symbols, and nuclearity on compact manifolds. <i>Journal D'Analyse Mathematique</i> , 2018, 135, 757-800.	0.4	22
88	Nonlinear damped wave equations for the sub-Laplacian on the Heisenberg group and for Rockland operators on graded Lie groups. <i>Journal of Differential Equations</i> , 2018, 265, 5212-5236.	1.1	14
89	Elements of Potential Theory on Carnot Groups. <i>Functional Analysis and Its Applications</i> , 2018, 52, 158-161.	0.1	0
90	Hardy-Littlewood, Bessel-Riesz, and Fractional Integral Operators in Anisotropic Morrey and Campanato Spaces. <i>Fractional Calculus and Applied Analysis</i> , 2018, 21, 577-612.	1.2	11

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91	A note on stability of Hardy inequalities. <i>Annals of Functional Analysis</i> , 2018, 9, 451-462.	0.3	3
92	The bounded approximation property of variable Lebesgue spaces and nuclearity. <i>Mathematica Scandinavica</i> , 2018, 122, 299-319.	0.1	3
93	On hyperbolic systems with time-dependent Hölder characteristics. <i>Annali Di Matematica Pura Ed Applicata</i> , 2017, 196, 155-164.	0.5	3
94	On horizontal Hardy, Rellich, Caffarelli–Kohn–Nirenberg and p -sub-Laplacian inequalities on stratified groups. <i>Journal of Differential Equations</i> , 2017, 262, 1799-1821.	1.1	53
95	Schatten classes, nuclearity and nonharmonic analysis on compact manifolds with boundary. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2017, 107, 758-783.	0.8	40
96	On C^∞ well-posedness of hyperbolic systems with multiplicities. <i>Annali Di Matematica Pura Ed Applicata</i> , 2017, 196, 1819-1834.	0.5	3
97	Extended Caffarelli–Kohn–Nirenberg inequalities and superweights for L_p -weighted Hardy inequalities. <i>Comptes Rendus Mathematique</i> , 2017, 355, 694-698.	0.1	14
98	Uncertainty relations on nilpotent Lie groups. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017, 473, 20170082.	1.0	7
99	Layer potentials, Kac's problem, and refined Hardy inequality on homogeneous Carnot groups. <i>Advances in Mathematics</i> , 2017, 308, 483-528.	0.5	52
100	Multipliers for Besov spaces on graded Lie groups. <i>Comptes Rendus Mathematique</i> , 2017, 355, 400-405.	0.1	13
101	Very weak solutions of wave equation for Landau Hamiltonian with irregular electromagnetic field. <i>Letters in Mathematical Physics</i> , 2017, 107, 591-618.	0.5	37
102	On convolutions in Hilbert spaces. <i>Functional Analysis and Its Applications</i> , 2017, 51, 221-224.	0.1	8
103	Preface for the Special Issue on “Special functions and analysis of PDEs”, <i>Mathematical Modelling of Natural Phenomena</i> , 2017, 12, 1-3.	0.9	0
104	Caffarelli–Kohn–Nirenberg and Sobolev type inequalities on stratified Lie groups. <i>Nonlinear Differential Equations and Applications</i> , 2017, 24, 1.	0.4	12
105	Anisotropic L_2 -weighted Hardy and L_2 -Caffarelli–Kohn–Nirenberg inequalities. <i>Communications in Contemporary Mathematics</i> , 2017, 19, 1750014.	0.6	18
106	Geometric maximizers of Schatten norms of some convolution type integral operators. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 456, 444-456.	0.5	0
107	Almost global well-posedness of Kirchhoff equation with Gevrey data. <i>Comptes Rendus Mathematique</i> , 2017, 355, 522-525.	0.1	1
108	Wave Equation for Operators with Discrete Spectrum and Irregular Propagation Speed. <i>Archive for Rational Mechanics and Analysis</i> , 2017, 226, 1161-1207.	1.1	30

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109	Hardy and Rellich inequalities, identities, and sharp remainders on homogeneous groups. <i>Advances in Mathematics</i> , 2017, 317, 799-822.	0.5	47
110	Isoperimetric Inequalities for Some Integral Operators Arising in Potential Theory. <i>Springer Proceedings in Mathematics and Statistics</i> , 2017, , 320-329.	0.1	0
111	On Green functions for Dirichlet sub-Laplacians on H -type groups. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 452, 896-905.	0.5	7
112	Nonharmonic Analysis of Boundary Value Problems Without WZ Condition. <i>Mathematical Modelling of Natural Phenomena</i> , 2017, 12, 115-140.	0.9	25
113	On Boundary-Value Problems for a Partial Differential Equation with Caputo and Bessel Operators. <i>Applied and Numerical Harmonic Analysis</i> , 2017, , 707-718.	0.1	12
114	Schatten classes and traces on compact groups. <i>Mathematical Research Letters</i> , 2017, 24, 979-1003.	0.2	25
115	Sobolev spaces on graded Lie groups. <i>Annales De L'Institut Fourier</i> , 2017, 67, 1671-1723.	0.2	26
116	The Kirchhoff Equation with Gevrey Data. <i>Trends in Mathematics</i> , 2017, , 313-318.	0.1	0
117	Grothendieckâ€Lidskii trace formula for mixed-norm and variable Lebesgue spaces. <i>Journal of Spectral Theory</i> , 2016, 6, 781-791.	0.4	9
118	On Schatten norms of convolution-type integral operators. <i>Russian Mathematical Surveys</i> , 2016, 71, 157-158.	0.2	17
119	Eigenfunction expansions of ultradifferentiable functions and ultradistributions. <i>Transactions of the American Mathematical Society</i> , 2016, 368, 8481-8498.	0.5	16
120	Isoperimetric inequalities for Schatten norms of Riesz potentials. <i>Journal of Functional Analysis</i> , 2016, 271, 224-239.	0.7	20
121	Fourier multipliers and group von Neumann algebras. <i>Comptes Rendus Mathematique</i> , 2016, 354, 766-770.	0.1	7
122	Hardyâ€Littlewoodâ€Paley-type inequalities on compact Lie groups. <i>Mathematical Notes</i> , 2016, 100, 309-312.	0.1	5
123	Approximation property and nuclearity on mixedâ€norm $L^{p, \lambda}$, modulation and Wiener amalgam spaces. <i>Journal of the London Mathematical Society</i> , 2016, 94, 391-408.	0.5	19
124	The Gohberg Lemma, compactness, and essential spectrum of operators on compact Lie groups. <i>Journal D'Analyse Mathematique</i> , 2016, 128, 179-190.	0.4	11
125	On first and second eigenvalues of Riesz transforms in spherical and hyperbolic geometries. <i>Bulletin of Mathematical Sciences</i> , 2016, 6, 325-334.	0.5	12
126	Nonharmonic Analysis of Boundary Value Problems. <i>International Mathematics Research Notices</i> , 2016, 2016, 3548-3615.	0.5	52

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127	Smoothing estimates for non-dispersive equations. <i>Mathematische Annalen</i> , 2016, 365, 241-269.	0.7	5
128	Global well-posedness and scattering for the fourth order nonlinear Schrödinger equations with small data in modulation and Sobolev spaces. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2016, 105, 31-65.	0.8	20
129	Isoperimetric inequalities for the logarithmic potential operator. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 434, 1676-1689.	0.5	21
130	Quantization on Nilpotent Lie Groups. <i>Progress in Mathematics</i> , 2016, , .	0.2	124
131	Homogeneous Lie groups. <i>Progress in Mathematics</i> , 2016, , 91-170.	0.2	0
132	Quantization on graded Lie groups. <i>Progress in Mathematics</i> , 2016, , 271-426.	0.2	1
133	Some Problems in Fourier Analysis and Approximation Theory. <i>Applied and Numerical Harmonic Analysis</i> , 2016, , 1-19.	0.1	0
134	Quantization on compact Lie groups. <i>Progress in Mathematics</i> , 2016, , 57-90.	0.2	0
135	Preliminaries on Lie groups. <i>Progress in Mathematics</i> , 2016, , 15-56.	0.2	0
136	Preface to the Special Issue on "Mathematical modelling in applied sciences". <i>Open Engineering</i> , 2016, 6, .	0.7	0
137	On Kac's principle of not feeling the boundary for the Kohn Laplacian on the Heisenberg group. <i>Proceedings of the American Mathematical Society</i> , 2015, 144, 709-721.	0.4	27
138	Global Well-Posedness of the Kirchhoff Equation and Kirchhoff Systems. <i>Springer Proceedings in Mathematics and Statistics</i> , 2015, , 81-96.	0.1	7
139	On global inversion of homogeneous maps. <i>Bulletin of Mathematical Sciences</i> , 2015, 5, 13-18.	0.5	18
140	Hyperbolic Second Order Equations with Non-Regular Time Dependent Coefficients. <i>Archive for Rational Mechanics and Analysis</i> , 2015, 217, 113-154.	1.1	43
141	Wave equation for sums of squares on compact Lie groups. <i>Journal of Differential Equations</i> , 2015, 258, 4324-4347.	1.1	28
142	L^p Fourier multipliers on compact Lie groups. <i>Mathematische Zeitschrift</i> , 2015, 280, 621-642.	0.4	33
143	Nikolskii inequality and functional classes on compact lie groups. <i>Functional Analysis and Its Applications</i> , 2015, 49, 226-229.	0.1	9
144	Trace theorems: critical cases and best constants. <i>Proceedings of the American Mathematical Society</i> , 2014, 143, 227-237.	0.4	3

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145	Global L^p continuity of Fourier integral operators. Transactions of the American Mathematical Society, 2014, 366, 2575-2596.	0.5	29
146	Kernel and symbol criteria for Schatten classes and r -nuclearity on compact manifolds. Comptes Rendus Mathematique, 2014, 352, 779-784.	0.1	27
147	Spectral Analysis of the Efficiency of Vertical Mixing in the Deep Ocean due to Interaction of Tidal Currents with a Ridge Running down a Continental Slope. Mathematical Modelling of Natural Phenomena, 2014, 9, 119-137.	0.9	1
148	Spectral Theory of the Hermite Operator on $L^p(\mathbb{R}^n)$. Mathematical Modelling of Natural Phenomena, 2014, 9, 39-43.	0.9	1
149	Tridiagonal Substitution Hamiltonians. Mathematical Modelling of Natural Phenomena, 2014, 9, 204-238.	0.9	4
150	L^p -boundedness of Multilinear Pseudo-differential Operators on \mathbb{Z}^n and \mathbb{T}^n . Mathematical Modelling of Natural Phenomena, 2014, 9, 17-38.	0.9	7
151	Inverse Scattering Problem with Underdetermined Data. Mathematical Modelling of Natural Phenomena, 2014, 9, 244-253.	0.9	1
152	Symmetries and Conservation Laws of a Spectral Nonlinear Model for Atmospheric Baroclinic Jets. Mathematical Modelling of Natural Phenomena, 2014, 9, 111-118.	0.9	2
153	Exactly Solvable Models and Bifurcations: the Case of the Cubic NLS with a δ or a δ^2 Interaction in Dimension One. Mathematical Modelling of Natural Phenomena, 2014, 9, 1-16.	0.9	8
154	The Infinite XXZ Quantum Spin Chain Revisited: Structure of Low Lying Spectral Bands and Gaps. Mathematical Modelling of Natural Phenomena, 2014, 9, 44-72.	0.9	8
155	The Projection Method for Multidimensional Framelet and Wavelet Analysis. Mathematical Modelling of Natural Phenomena, 2014, 9, 83-110.	0.9	17
156	Efficient Processing of Fluorescence Images Using Directional Multiscale Representations. Mathematical Modelling of Natural Phenomena, 2014, 9, 177-193.	0.9	16
157	Localization Operators for Ridgelet Transforms. Mathematical Modelling of Natural Phenomena, 2014, 9, 194-203.	0.9	7
158	A Characterization of Compact SG Pseudo-differential Operators on $L^2(\mathbb{R}^n, \mu)$. Mathematical Modelling of Natural Phenomena, 2014, 9, 239-243.	0.9	0
159	Calculation of Electromagnetic Wave Scattering by a Small Impedance Particle of an Arbitrary Shape. Mathematical Modelling of Natural Phenomena, 2014, 9, 254-269.	0.9	13
160	CMV Matrices with Super Exponentially Decaying Verblunsky Coefficients. Mathematical Modelling of Natural Phenomena, 2014, 9, 282-294.	0.9	0
161	A Kernel Representation of Dirac Structures for Infinite-dimensional Systems. Mathematical Modelling of Natural Phenomena, 2014, 9, 295-308.	0.9	5
162	Theory of Dimension for Large Discrete Sets and Applications. Mathematical Modelling of Natural Phenomena, 2014, 9, 148-169.	0.9	5

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163	Spectral Properties of Random and Deterministic CMV Matrices. Mathematical Modelling of Natural Phenomena, 2014, 9, 270-281.	0.9	1
164	Reconstruction of Structured Quadratic Pencils from Eigenvalues on Ellipses and Parabolas. Mathematical Modelling of Natural Phenomena, 2014, 9, 138-147.	0.9	2
165	A pseudo-differential calculus on the Heisenberg group. Comptes Rendus Mathematique, 2014, 352, 197-204.	0.1	21
166	Global functional calculus for operators on compact Lie groups. Journal of Functional Analysis, 2014, 267, 144-172.	0.7	23
167	Schatten classes on compact manifolds: Kernel conditions. Journal of Functional Analysis, 2014, 267, 772-798.	0.7	55
168	Hörmander Class of Pseudo-Differential Operators on Compact Lie Groups and Global Hypocoellipticity. Journal of Fourier Analysis and Applications, 2014, 20, 476-499.	0.5	45
169	Gevrey functions and ultradistributions on compact Lie groups and homogeneous spaces. Bulletin Des Sciences Mathematiques, 2014, 138, 756-782.	0.5	28
170	L^p -traces, and Grothendieck-Lidskii formula on compact Lie groups. Journal Des Mathematiques Pures Et Appliquees, 2014, 102, 153-172.	0.8	46
171	A note on weakly hyperbolic equations with analytic principal part. Journal of Mathematical Analysis and Applications, 2014, 412, 1-14.	0.5	11
172	A Pseudo-differential Calculus on Graded Nilpotent Lie Groups. , 2014, , 107-132.		9
173	Weakly hyperbolic equations with non-analytic coefficients and lower order terms. Mathematische Annalen, 2013, 357, 401-440.	0.7	21
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