

# Vasily E Tarasov

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

235  
papers

5,702  
citations

41  
h-index

65  
g-index

248  
ext. papers

6,487  
ext. citations

2.2  
avg, IF

7.41  
L-index

#	Paper	IF	Citations
235	Trends, directions for further research, and some open problems of fractional calculus. <i>Nonlinear Dynamics</i> , <b>2022</b> , 107, 3245	5	4
234	General Non-Local Continuum Mechanics: Derivation of Balance Equations. <i>Mathematics</i> , <b>2022</b> , 10, 14272.3	2.3	3
233	Fractional Dynamics with Depreciation and Obsolescence: Equations with Prabhakar Fractional Derivatives. <i>Mathematics</i> , <b>2022</b> , 10, 1540	2.3	0
232	From fractional differential equations with Hilfer derivatives. <i>Computational and Applied Mathematics</i> , <b>2021</b> , 40, 1	2.4	0
231	General Fractional Vector Calculus. <i>Mathematics</i> , <b>2021</b> , 9, 2816	2.3	10
230	Non-Markovian dynamics of open quantum system with memory. <i>Annals of Physics</i> , <b>2021</b> , 434, 168667	2.5	0
229	Quantum Maps with Memory from Generalized Lindblad Equation. <i>Entropy</i> , <b>2021</b> , 23,	2.8	8
228	Nonlinear growth model with long memory: generalization of Haavelmo model. <i>Nonlinear Dynamics</i> , <b>2021</b> , 104, 4413	5	
227	Predator-prey models with memory and kicks: Exact solution and discrete maps with memory. <i>Mathematical Methods in the Applied Sciences</i> , <b>2021</b> , 44, 11514-11525	2.3	5
226	Integral Equations of Non-Integer Orders and Discrete Maps with Memory. <i>Mathematics</i> , <b>2021</b> , 9, 1177	2.3	4
225	General Fractional Calculus: Multi-Kernel Approach. <i>Mathematics</i> , <b>2021</b> , 9, 1501	2.3	8
224	General Fractional Dynamics. <i>Mathematics</i> , <b>2021</b> , 9, 1464	2.3	16
223	Nonlocal quantum system with fractal distribution of states. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2021</b> , 574, 126009	3.3	1
222	Lattice fractional quantum field theory: Exact differences approach. <i>Modern Physics Letters A</i> , <b>2021</b> , 36, 2140001	1.3	3
221	Corrigendum to Fractional nonlinear dynamics of learning with memory. <i>Nonlinear dynamics</i> . 2020. Vol.100. P.1231-1242.. <i>Nonlinear Dynamics</i> , <b>2021</b> , 103, 2163-2167	5	1
220	General Non-Markovian Quantum Dynamics. <i>Entropy</i> , <b>2021</b> , 23,	2.8	8
219	Nonlinear fractional dynamics with Kicks. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 151, 111259	9.3	1

218	Fractional dynamics with non-local scaling. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2021</b> , 102, 105947	3.7	5
217	Economic Dynamics with Memory <b>2021</b> ,		17
216	Fractional econophysics: Market price dynamics with memory effects. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2020</b> , 557, 124865	3.3	11
215	Fractional Derivatives and Integrals: What Are They Needed For?. <i>Mathematics</i> , <b>2020</b> , 8, 164	2.3	14
214	Dirac particle with memory: Proper time non-locality. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2020</b> , 384, 126303	2.3	4
213	Fractional nonlinear dynamics of learning with memory. <i>Nonlinear Dynamics</i> , <b>2020</b> , 100, 1231-1242	5	8
212	Extension of relativistic mechanics by maximum symmetry group of Maxwell equations. <i>European Physical Journal Plus</i> , <b>2020</b> , 135, 1	3.1	1
211	Cagan model of inflation with power-law memory effects. <i>Computational and Applied Mathematics</i> , <b>2020</b> , 39, 1	2.4	1
210	Non-Linear Macroeconomic Models of Growth with Memory. <i>Mathematics</i> , <b>2020</b> , 8, 2078	2.3	6
209	Exact Solutions of Bernoulli and Logistic Fractional Differential Equations with Power Law Coefficients. <i>Mathematics</i> , <b>2020</b> , 8, 2231	2.3	8
208	Exact discretization of non-commutative space-time. <i>Modern Physics Letters A</i> , <b>2020</b> , 35, 2050135	1.3	1
207	Phillips model with exponentially distributed lag and power-law memory. <i>Computational and Applied Mathematics</i> , <b>2019</b> , 38, 1	2.4	10
206	On History of Mathematical Economics: Application of Fractional Calculus. <i>Mathematics</i> , <b>2019</b> , 7, 509	2.3	63
205	Logistic equation with continuously distributed lag and application in economics. <i>Nonlinear Dynamics</i> , <b>2019</b> , 97, 1313-1328	5	10
204	Caputo-Fabrizio operator in terms of integer derivatives: memory or distributed lag?. <i>Computational and Applied Mathematics</i> , <b>2019</b> , 38, 1	2.4	26
203	Harrod-Domar Growth Model with Memory and Distributed Lag. <i>Axioms</i> , <b>2019</b> , 8, 9	1.6	10
202	Dynamic Keynesian Model of Economic Growth with Memory and Lag. <i>Mathematics</i> , <b>2019</b> , 7, 178	2.3	15
201	Rules for Fractional-Dynamic Generalizations: Difficulties of Constructing Fractional Dynamic Models. <i>Mathematics</i> , <b>2019</b> , 7, 554	2.3	25

200	Volume 4 Applications in Physics, Part A <b>2019</b> ,		17
199	Volume 5 Applications in Physics, Part B <b>2019</b> ,		14
198	Fractional quantum mechanics of open quantum systems <b>2019</b> , 257-278		4
197	Economic models with power-law memory <b>2019</b> , 1-32		4
196	Probabilistic Interpretation of Kober Fractional Integral of Non-Integer Order. <i>Progress in Fractional Differentiation and Applications</i> , <b>2019</b> , 5, 1-5	3.9	10
195	Fractional Nonlocal Continuum Mechanics and Microstructural Models <b>2019</b> , 839-849		1
194	On fractional and fractal formulations of gradient linear and nonlinear elasticity. <i>Acta Mechanica</i> , <b>2019</b> , 230, 2043-2070	2.1	17
193	Fractional electrodynamics with spatial dispersion <b>2019</b> , 25-52		1
192	Self-organization with memory. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2019</b> , 72, 240-271	3.7	14
191	Productivity with Fatigue and Long Memory: Fractional Calculus Approach. <i>International Journal of Applied and Computational Mathematics</i> , <b>2019</b> , 5, 1	1.3	2
190	Fractional and integer derivatives with continuously distributed lag. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2019</b> , 70, 125-169	3.7	16
189	No nonlocality. No fractional derivative. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2018</b> , 62, 157-163	3.7	111
188	Concept of dynamic memory in economics. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2018</b> , 55, 127-145	3.7	53
187	Dynamic intersectoral models with power-law memory. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2018</b> , 54, 100-117	3.7	20
186	Macroeconomic models with long dynamic memory: Fractional calculus approach. <i>Applied Mathematics and Computation</i> , <b>2018</b> , 338, 466-486	2.7	46
185	Criterion of Existence of Power-Law Memory for Economic Processes. <i>Entropy</i> , <b>2018</b> , 20,	2.8	18
184	Fractional Deterministic Factor Analysis of Economic Processes with Memory and Nonlocality. <i>Understanding Complex Systems</i> , <b>2018</b> , 173-189	0.4	3
183	Generalized Memory: Fractional Calculus Approach. <i>Fractal and Fractional</i> , <b>2018</b> , 2, 23	3	35

182	Fractional Derivative Regularization in QFT. <i>Advances in High Energy Physics</i> , <b>2018</b> , 2018, 1-8	1	5
181	Fractional Mechanics of Elastic Solids: Continuum Aspects. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2017</b> , 143,	2.4	16
180	Exact discretization of fractional Laplacian. <i>Computers and Mathematics With Applications</i> , <b>2017</b> , 73, 855-863	2.63	14
179	Time-dependent fractional dynamics with memory in quantum and economic physics. <i>Annals of Physics</i> , <b>2017</b> , 383, 579-599	2.5	46
178	Interpretation of Fractional Derivatives as Reconstruction from Sequence of Integer Derivatives. <i>Fundamenta Informaticae</i> , <b>2017</b> , 151, 431-442	1	10
177	Logistic map with memory from economic model. <i>Chaos, Solitons and Fractals</i> , <b>2017</b> , 95, 84-91	9.3	67
176	Accelerators in Macroeconomics: Comparison of Discrete and Continuous Approaches. <i>American Journal of Economics and Business Administration</i> , <b>2017</b> , 9, 47-55	0.5	3
175	Exact Solution of T-Difference Radial Schrödinger Equation. <i>International Journal of Applied and Computational Mathematics</i> , <b>2017</b> , 3, 2779-2784	1.3	5
174	Exact Discretization of an Economic Accelerator and Multiplier with Memory. <i>Fractal and Fractional</i> , <b>2017</b> , 1, 6	3	14
173	Discrete Wave Equation with Infinite Differences. <i>Applied Mathematics &amp; Information Sciences Letters</i> , <b>2017</b> , 5, 41-44	0	4
172	Economic Interpretation of Fractional Derivatives. <i>Progress in Fractional Differentiation and Applications</i> , <b>2017</b> , 3, 1-6	3.9	41
171	Accelerator and Multiplier for Macroeconomic Processes with Memory. <i>IRA-International Journal of Management &amp; Social Sciences (ISSN 2455-2267)</i> , <b>2017</b> , 9, 86	1	8
170	Fractional Nonlocal Continuum Mechanics and Microstructural Models <b>2017</b> , 1-11		
169	On chain rule for fractional derivatives. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2016</b> , 30, 1-4	3.7	80
168	United lattice fractional integro-differentiation. <i>Fractional Calculus and Applied Analysis</i> , <b>2016</b> , 19, 625-664	4.7	19
167	Discrete model of dislocations in fractional nonlocal elasticity. <i>Journal of King Saud University - Science</i> , <b>2016</b> , 28, 33-36	3.6	8
166	Three-dimensional lattice models with long-range interactions of Gröbald-Petnikov type for fractional generalization of gradient elasticity. <i>Meccanica</i> , <b>2016</b> , 51, 125-138	2.1	15
165	Local Fractional Derivatives of Differentiable Functions are Integer-order Derivatives or Zero. <i>International Journal of Applied and Computational Mathematics</i> , <b>2016</b> , 2, 195-201	1.3	12

164	Leibniz Rule and Fractional Derivatives of Power Functions. <i>Journal of Computational and Nonlinear Dynamics</i> , <b>2016</b> , 11,	1.4	20
163	Exact discretization by Fourier transforms. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2016</b> , 37, 31-61	3.7	32
162	Acoustic waves in fractal media: Non-integer dimensional spaces approach. <i>Wave Motion</i> , <b>2016</b> , 63, 18-22.8		27
161	Heat transfer in fractal materials. <i>International Journal of Heat and Mass Transfer</i> , <b>2016</b> , 93, 427-430	4.9	16
160	Exact discretization of Schrödinger equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2016</b> , 380, 68-75	2.3	22
159	Long and Short Memory in Economics: Fractional-Order Difference and Differentiation. <i>IRA-International Journal of Management &amp; Social Sciences (ISSN 2455-2267)</i> , <b>2016</b> , 5, 327	1	18
158	Remark to history of fractional derivatives on complex plane: Sonine-Letnikov and Nishimoto derivatives. <i>Fractional Differential Calculus</i> , <b>2016</b> , 147-149	1.5	4
157	Elasticity for economic processes with memory: fractional differential calculus approach. <i>Fractional Differential Calculus</i> , <b>2016</b> , 219-232	1.5	34
156	Exact Discrete Analogs of Canonical Commutation and Uncertainty Relations. <i>Mathematics</i> , <b>2016</b> , 4, 44	2.3	4
155	Geometric interpretation of fractional-order derivative. <i>Fractional Calculus and Applied Analysis</i> , <b>2016</b> , 19, 1200-1221	2.7	18
154	What discrete model corresponds exactly to a gradient elasticity equation?. <i>Journal of Mechanics of Materials and Structures</i> , <b>2016</b> , 11, 329-343	1.2	5
153	Electric field in media with power-law spatial dispersion. <i>Modern Physics Letters B</i> , <b>2016</b> , 30, 1650132	1.6	2
152	Partial fractional derivatives of Riesz type and nonlinear fractional differential equations. <i>Nonlinear Dynamics</i> , <b>2016</b> , 86, 1745-1759	5	12
151	Poiseuille equation for steady flow of fractal fluid. <i>International Journal of Modern Physics B</i> , <b>2016</b> , 30, 1650128	1.1	2
150	Comments on "The Minkowski's spacetime is consistent with differential geometry of fractional order" [Phys. Lett. A 363 (2007) 50-1]. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2015</b> , 379, 1071-1072	2.3	8
149	Fractal electrodynamics via non-integer dimensional space approach. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2015</b> , 379, 2055-2061	2.3	39
148	COMMENTS ON "RIEMANN-CHRISTOFFEL TENSOR IN DIFFERENTIAL GEOMETRY OF FRACTIONAL ORDER APPLICATION TO FRACTAL SPACE-TIME", [FRACTALS 21 (2013) 1350004]. <i>Fractals</i> , <b>2015</b> , 23, 1575001	3.2	4
147	Electromagnetic waves in non-integer dimensional spaces and fractals. <i>Chaos, Solitons and Fractals</i> , <b>2015</b> , 81, 38-42	9.3	39

146	Non-standard extensions of gradient elasticity: Fractional non-locality, memory and fractality. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2015</b> , 22, 197-227	3.7	45
145	Fractional Liouville equation on lattice phase-space. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2015</b> , 421, 330-342	3.3	17
144	Lattice fractional calculus. <i>Applied Mathematics and Computation</i> , <b>2015</b> , 257, 12-33	2.7	45
143	Vector calculus in non-integer dimensional space and its applications to fractal media. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2015</b> , 20, 360-374	3.7	54
142	Elasticity of fractal materials using the continuum model with non-integer dimensional space. <i>Comptes Rendus - Mecanique</i> , <b>2015</b> , 343, 57-73	2.1	16
141	Non-linear fractional field equations: weak non-linearity at power-law non-locality. <i>Nonlinear Dynamics</i> , <b>2015</b> , 80, 1665-1672	5	13
140	Fractional-order difference equations for physical lattices and some applications. <i>Journal of Mathematical Physics</i> , <b>2015</b> , 56, 103506	1.2	29
139	Variational principle of stationary action for fractional nonlocal media and fields. <i>Pacific Journal of Mathematics for Industry</i> , <b>2015</b> , 7,		3
138	Discretely and Continuously Distributed Dynamical Systems with Fractional Nonlocality <b>2015</b> , 31-49		2
137	Exact Discrete Analogs of Derivatives of Integer Orders: Differences as Infinite Series. <i>Journal of Mathematics</i> , <b>2015</b> , 2015, 1-8	1.2	20
136	Three-Dimensional Lattice Approach to Fractional Generalization of Continuum Gradient Elasticity. <i>Progress in Fractional Differentiation and Applications</i> , <b>2015</b> , 1, 243-258	3.9	6
135	Lattice Model with Nearest-Neighbor and Next-Nearest-Neighbor Interactions for Gradient Elasticity. <i>Discontinuity, Nonlinearity, and Complexity</i> , <b>2015</b> , 4, 11-23	1.8	20
134	Lattice model of fractional gradient and integral elasticity: Long-range interaction of Gr̄wald̄etnikovRiesz type. <i>Mechanics of Materials</i> , <b>2014</b> , 70, 106-114	3.3	38
133	Large lattice fractional Fokker-Planck equation. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2014</b> , 2014, P09036	1.9	13
132	Flow of fractal fluid in pipes: Non-integer dimensional space approach. <i>Chaos, Solitons and Fractals</i> , <b>2014</b> , 67, 26-37	9.3	28
131	Toward lattice fractional vector calculus. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2014</b> , 47, 355204	2	35
130	Anisotropic fractal media by vector calculus in non-integer dimensional space. <i>Journal of Mathematical Physics</i> , <b>2014</b> , 55, 083510	1.2	60
129	Lattice with long-range interaction of power-law type for fractional non-local elasticity. <i>International Journal of Solids and Structures</i> , <b>2014</b> , 51, 2900-2907	3.1	31

128	Fractional Diffusion Equations for Lattice and Continuum: Gr̄wald-Letnikov Differences and Derivatives Approach. <i>International Journal of Statistical Mechanics</i> , <b>2014</b> , 2014, 1-7		4
127	General lattice model of gradient elasticity. <i>Modern Physics Letters B</i> , <b>2014</b> , 28, 1450054	1.6	20
126	Toward fractional gradient elasticity. <i>Journal of the Mechanical Behavior of Materials</i> , <b>2014</b> , 23, 41-46	1.9	10
125	Fractional Gradient Elasticity from Spatial Dispersion Law <b>2014</b> , 2014, 1-13		22
124	Fractional Quantum Field Theory: From Lattice to Continuum. <i>Advances in High Energy Physics</i> , <b>2014</b> , 2014, 1-14	1	25
123	Fractional diffusion equations for open quantum system. <i>Nonlinear Dynamics</i> , <b>2013</b> , 71, 663-670	5	12
122	Uncertainty relation for non-Hamiltonian quantum systems. <i>Journal of Mathematical Physics</i> , <b>2013</b> , 54, 012112	1.2	8
121	Lattice model with power-law spatial dispersion for fractional elasticity. <i>Open Physics</i> , <b>2013</b> , 11,	1.3	17
120	REVIEW OF SOME PROMISING FRACTIONAL PHYSICAL MODELS. <i>International Journal of Modern Physics B</i> , <b>2013</b> , 27, 1330005	1.1	101
119	No violation of the Leibniz rule. No fractional derivative. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2013</b> , 18, 2945-2948	3.7	153
118	Fractional power-law spatial dispersion in electrodynamics. <i>Annals of Physics</i> , <b>2013</b> , 334, 1-23	2.5	41
117	Power-law spatial dispersion from fractional Liouville equation. <i>Physics of Plasmas</i> , <b>2013</b> , 20, 102110	2.1	11
116	The fractional oscillator as an open system. <i>Open Physics</i> , <b>2012</b> , 10,	1.3	8
115	Quantum dissipation from power-law memory. <i>Annals of Physics</i> , <b>2012</b> , 327, 1719-1729	2.5	22
114	Fractional Dynamics of Open Quantum Systems <b>2011</b> , 449-482		2
113	Fractional Dynamics of Open Quantum Systems. <i>Nonlinear Physical Science</i> , <b>2010</b> , 467-490	0.1	1
112	Fractional Dynamics. <i>Nonlinear Physical Science</i> , <b>2010</b> ,	0.1	328
111	Hydrodynamics of Fractal Media. <i>Nonlinear Physical Science</i> , <b>2010</b> , 49-71	0.1	



110	Fractional Dynamical Systems. <i>Nonlinear Physical Science</i> , <b>2010</b> , 293-313	0.1	
109	Fractional Zaslavsky and Hñon Discrete Maps. <i>Nonlinear Physical Science</i> , <b>2010</b> , 1-26	0.1	6
108	Fractional Calculus of Variations in Dynamics. <i>Nonlinear Physical Science</i> , <b>2010</b> , 315-333	0.1	
107	Fractional dissipative standard map. <i>Chaos</i> , <b>2010</b> , 20, 023127	3.3	33
106	Fractional Dynamics of Relativistic Particle. <i>International Journal of Theoretical Physics</i> , <b>2010</b> , 49, 293-303	1.1	18
105	Relativistic non-Hamiltonian mechanics. <i>Annals of Physics</i> , <b>2010</b> , 325, 2103-2119	2.5	4
104	Fractional Vector Calculus. <i>Nonlinear Physical Science</i> , <b>2010</b> , 241-264	0.1	84
103	Fractional Statistical Mechanics. <i>Nonlinear Physical Science</i> , <b>2010</b> , 335-353	0.1	1
102	Electrodynamics of Fractal Distributions of Charges and Fields. <i>Nonlinear Physical Science</i> , <b>2010</b> , 89-113	0.1	2
101	Fractional Dynamics of Media with Long-Range Interaction. <i>Nonlinear Physical Science</i> , <b>2010</b> , 153-214	0.1	3
100	Fractal Rigid Body Dynamics. <i>Nonlinear Physical Science</i> , <b>2010</b> , 73-87	0.1	
99	Fractional Dynamics of Hamiltonian Quantum Systems. <i>Nonlinear Physical Science</i> , <b>2010</b> , 457-466	0.1	
98	Fractional Dynamics and Discrete Maps with Memory. <i>Nonlinear Physical Science</i> , <b>2010</b> , 409-453	0.1	
97	Fractional Temporal Electrodynamics. <i>Nonlinear Physical Science</i> , <b>2010</b> , 357-376	0.1	
96	Psi-Series Approach to Fractional Equations. <i>Nonlinear Physical Science</i> , <b>2010</b> , 227-237	0.1	
95	Statistical Mechanics of Fractal Phase Space Distributions. <i>Nonlinear Physical Science</i> , <b>2010</b> , 135-150	0.1	
94	Ginzburg-Landau Equation for Fractal Media. <i>Nonlinear Physical Science</i> , <b>2010</b> , 115-122	0.1	
93	Fractional Ginzburg-Landau Equation. <i>Nonlinear Physical Science</i> , <b>2010</b> , 215-225	0.1	

92	Fractional Integration and Fractals. <i>Nonlinear Physical Science</i> , <b>2010</b> , 3-48	0.1	1
91	Fractional Exterior Calculus and Fractional Differential Forms. <i>Nonlinear Physical Science</i> , <b>2010</b> , 265-291	0.1	
90	Fractional Nonholonomic Dynamics. <i>Nonlinear Physical Science</i> , <b>2010</b> , 377-408	0.1	
89	Quantum Analogs of Fractional Derivatives. <i>Nonlinear Physical Science</i> , <b>2010</b> , 491-502	0.1	
88	Fokker-Planck Equation for Fractal Distributions of Probability. <i>Nonlinear Physical Science</i> , <b>2010</b> , 123-133	0.1	0
87	Discrete map with memory from fractional differential equation of arbitrary positive order. <i>Journal of Mathematical Physics</i> , <b>2009</b> , 50, 122703	1.2	33
86	QUANTUM NANOTECHNOLOGY. <i>International Journal of Nanoscience</i> , <b>2009</b> , 08, 337-344	0.6	2
85	Fractional standard map. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2009</b> , 374, 279-285	2.3	41
84	Fractional generalization of the quantum Markovian master equation. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , <b>2009</b> , 158, 179-195	0.7	19
83	Fractional integro-differential equations for electromagnetic waves in dielectric media. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , <b>2009</b> , 158, 355-359	0.7	83
82	Differential equations with fractional derivative and universal map with memory. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2009</b> , 42, 465102	2	41
81	Universal electromagnetic waves in dielectric. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 175223	1.8	28
80	Chains with the fractal dispersion law. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2008</b> , 41, 035101	0.1	12
79	Fractional equations of Curie-Weiss and Gauss laws. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 145212	1.8	18
78	Fractional equations of kicked systems and discrete maps. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2008</b> , 41, 435101	2	35
77	Weyl quantization of fractional derivatives. <i>Journal of Mathematical Physics</i> , <b>2008</b> , 49, 102112	1.2	13
76	Chapter 24 Non-Hamiltonian Systems as Quantum Computers. <i>Monograph Series on Nonlinear Science and Complexity</i> , <b>2008</b> , 487-520		
75	Chapter 21 Stationary States of Non-Hamiltonian Systems. <i>Monograph Series on Nonlinear Science and Complexity</i> , <b>2008</b> , 7, 453-462		

- 74 Chapter 1 Quantum Kinematics of Bounded Observables. *Monograph Series on Nonlinear Science and Complexity*, **2008**, 11-26
- 73 Chapter 2 Quantum Kinematics of Unbounded Observables. *Monograph Series on Nonlinear Science and Complexity*, **2008**, 7, 27-45
- 72 Chapter 3 Mathematical Structures in Quantum Kinematics. *Monograph Series on Nonlinear Science and Complexity*, **2008**, 7, 47-68
- 71 Chapter 4 Spaces of Quantum Observables. *Monograph Series on Nonlinear Science and Complexity*, **2008**, 69-93
- 70 Chapter 5 Algebras of Quantum Observables. *Monograph Series on Nonlinear Science and Complexity*, **2008**, 7, 95-113
- 69 Chapter 6 Mathematical Structures on State Sets. *Monograph Series on Nonlinear Science and Complexity*, **2008**, 7, 115-128
- 68 Chapter 7 Mathematical Structures in Classical Kinematics. *Monograph Series on Nonlinear Science and Complexity*, **2008**, 7, 129-138
- 67 Chapter 8 Quantization in Kinematics. *Monograph Series on Nonlinear Science and Complexity*, **2008**, 7, 139-179
- 66 Chapter 9 Spectral Representation of Observable. *Monograph Series on Nonlinear Science and Complexity*, **2008**, 7, 181-209
- 65 Chapter 11 Superoperator Algebras and Spaces. *Monograph Series on Nonlinear Science and Complexity*, **2008**, 7, 237-249
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