Vladimir V Kisil

List of Publications by Year
in descending order

| 24 papers | 424 citations | 1040056
9 h-index | 713466
21 g-index |
|---|---|---|---|
| 24 all docs | 24 docs citations | 24 times ranked | 161 citing authors |

#	Article	IF	Citations
1	Mixing quantum and classical mechanics. Physical Review A, 1997, 56, 162-175.	2.5	187
2	Induced Representations and Hypercomplex Numbers. Advances in Applied Clifford Algebras, 2013, 23, 417-440.	1.0	32
3	Calculus of Operators: Covariant Transform and Relative Convolutions. Banach Journal of Mathematical Analysis, 2014, 8, 156-184.	0.8	31
4	Wavelets in Banach Spaces. Acta Applicandae Mathematicae, 1999, 59, 79-109.	1.0	29
5	p-mechanics as a physical theory: an introduction. Journal of Physics A, 2004, 37, 183-204.	1.6	21
6	Operator covariant transform and local principle. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 244022.	2.1	21
7	Hypercomplex Representations of the Heisenberg Group and Mechanics. International Journal of Theoretical Physics, 2012, 51, 964-984.	1.2	12
8	Symmetry, Geometry and Quantization with Hypercomplex Numbers. Geometry, Integrability and Quantization, 2017, 18, 11-76.	0.2	11
9	Quantum and Classical Brackets. International Journal of Theoretical Physics, 2002, 41, 63-77.	1.2	10
10	Poincaré extension of Möbius transformations. Complex Variables and Elliptic Equations, 2017, 62, 1221-1236.	0.8	9
11	Fillmore–Springer–Cnops Construction Implemented in GiNaC. Advances in Applied Clifford Algebras, 2007, 17, 59-70.	1.0	8
12	Geometric dynamics of a harmonic oscillator, arbitrary minimal uncertainty states and the smallest step 3 nilpotent Lie group. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 025301.	2.1	8
13	Polynomial Sequences of Binomial Type Path Integrals. Annals of Combinatorics, 2002, 6, 45-56.	0.6	7
14	Wavelets beyond admissibility. , 2010, , .		7
15	Connection between two-sided and one-sided convolution type operators on non-commutative groups. Integral Equations and Operator Theory, 1995, 22, 317-332.	0.8	6
16	Covariant Transform. Journal of Physics: Conference Series, 2011, 284, 012038.	0.4	6
17	Spectrum as the Support of Functional Calculus. North-Holland Mathematics Studies, 2004, 197, 133-141.	0.2	5
18	Uncertainty and Analyticity. Trends in Mathematics, 2015, , 583-590.	0.1	4

#	Article	IF	Citations
19	Solving the Schrödinger equation by reduction to a first-order differential operator through a coherent states transform. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126330.	2.1	3
20	A Functional Model for Quantum Mechanics: Unbounded Operators. Mathematical Methods in the Applied Sciences, 1997, 20, 745-757.	2.3	2
21	An example of Clifford algebras calculations with GiNaC. Advances in Applied Clifford Algebras, 2005, 15, 239-269.	1.0	2
22	Computation and Dynamics: Classical and Quantum. , 2010, , .		2
23	An extension of Mobius--Lie geometry with conformal ensembles of cycles and its implementation in a GiNaC library. Proceedings of the International Geometry Center, 2019, 11, .	0.3	1
24	MoebInv: C++ libraries for manipulations in non-Euclidean geometry. SoftwareX, 2020, 11, 100385.	2.6	0