Akhilesh Prasad

List of Publications by Year
in descending order

83 papers	588 citations	759233 12 h-index	794594 19 g-index
83 all docs	83 docs citations	83 times ranked	108 citing authors

#	Article	IF	Citations
1	Lebedev–Skalskaya transforms and allied operators on certain function spaces. Integral Transforms and Special Functions, 2022, 33, 320-340.	1.2	4
2	Convolution, correlation and spectrum of functions associated with linear canonical transform. Optik, 2022, 249, 168256.	2.9	3
3	The wave packet transform in the framework of linear canonical transform. International Journal of Wavelets, Multiresolution and Information Processing, 2022, 20, .	1.3	1
4	Uncertainty principles associated with quaternion linear canonical transform and their estimates. Mathematical Methods in the Applied Sciences, 2022, 45, 4772-4790.	2.3	4
5	Composition of Quadratic-Phase Fourier Wavelet Transform. International Journal of Applied and Computational Mathematics, 2022, 8, 1.	1.6	2
6	Reverse convolution inequalities for Lebedev–Skalskaya transforms. Forum Mathematicum, 2022, .	0.7	0
7	Pseudo-differential operator associated with quadratic-phase Fourier transform. Boletin De La Sociedad Matematica Mexicana, 2022, 28, .	0.7	2
8	Convolution and product theorems for the quadratic-phase Fourier transform. Georgian Mathematical Journal, 2022, 29, 595-602.	0.6	6
9	The Y transforms and allied pseudo-differential operators. Advances in Operator Theory, 2022, 7, .	0.6	0
10	Weyl operator associated with index Whittaker transform. Journal of Pseudo-Differential Operators and Applications, 2022, 13, .	0.7	0
11	Wigner-Ville distribution function in the framework of linear canonical transform. Journal of Pseudo-Differential Operators and Applications, 2022, 13, .	0.7	1
12	Pseudo-differential operator in the framework of linear canonical transform domain. Asian-European Journal of Mathematics, 2021, 14, 2150117.	0.5	4
13	Pseudodifferential operators involving linear canonical Hankel transformations on some ultradifferentiable function spaces. Mathematical Methods in the Applied Sciences, 2021, 44, 4686-4700.	2.3	2
14	Lebedev–Skalskaya transforms on certain function spaces and associated pseudo-differential operators. Integral Transforms and Special Functions, 2021, 32, 113-133.	1.2	9
15	A pair of Kontorovich–Lebedev type transforms and associated pseudo-differential operators. Annals of Mathematical Sciences and Applications, 2021, 6, 87-118.	0.4	0
16	Abelian theorems and Calderón's reproducing formula for linear canonical wavelet transform. Journal of Pseudo-Differential Operators and Applications, 2021, 12, 1.	0.7	0
17	Wavelet transforms associated with the index Whittaker transform. Mathematical Methods in the Applied Sciences, 2021, 44, 10734-10752.	2.3	4
18	Variation diminishing convolution kernels associated with fractional Hankel-type transform. Afrika Matematika, 2021, 32, 1503-1517.	0.8	0

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19	Editorial Expression of Concern to: The fractional wavelet transform associated with the second kind of fractional Hankel transform. Journal of Analysis, 2021, 29, 1473-1474.	0.6	0
20	Composition of wavelet transforms and wave packet transform involving Kontorovich-Lebedev transform. Filomat, 2021, 35, 47-60.	0.5	1
21	Linear canonical wave packet transform. Integral Transforms and Special Functions, 2021, 32, 893-911.	1.2	12
22	The Kontorovich-Lebedev-Clifford transform. Filomat, 2021, 35, 4811-4824.	0.5	0
23	The fractional Hankel-type integral wavelet packet transformation. Journal of Analysis, 2020, 28, 225-234.	0.6	0
24	The quadratic–phase Fourier wavelet transform. Mathematical Methods in the Applied Sciences, 2020, 43, 1953-1969.	2.3	20
25	Characterization of Weyl operator in terms of Mehler–Fock transform. Mathematical Methods in the Applied Sciences, 2020, 43, 9119-9128.	2.3	4
26	Convolution for a pair of quadratic-phase Hankel transforms. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2020, 114, 1.	1.2	1
27	Product and Commutators of Pseudo-differential Operators Involving Fourier–Jacobi Transform. Communications in Mathematics and Statistics, 2020, , 1.	1.5	1
28	The composition of linear canonical wavelet transforms on generalized function spaces. Filomat, 2020, 34, 4123-4136.	0.5	1
29	A Pair of Linear Canonical Hankel Transformations of Random Order. Mediterranean Journal of Mathematics, 2019, 16, 1.	0.8	0
30	Product of continuous fractional wave packet transforms. International Journal of Wavelets, Multiresolution and Information Processing, 2019, 17, 1950021.	1.3	3
31	Heat Kernel in the Framework of Zero Order Mehler–Fock Transform. Complex Analysis and Operator Theory, 2019, 13, 3235-3249.	0.6	1
32	Approximation of linear canonical wavelet transform on the generalized Sobolev spaces. Journal of Pseudo-Differential Operators and Applications, 2019, 10, 855-881.	0.7	13
33	Continuous Wavelet Transform Involving Linear Canonical Transform. The National Academy of Sciences, India, 2019, 42, 337-344.	1.3	17
34	Convolution with the linear canonical Hankel transformation. Boletin De La Sociedad Matematica Mexicana, 2019, 25, 195-213.	0.7	7
35	Composition of Pseudo-Differential Operators Associated with Jacobi Differential Operator. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2019, 89, 509-516.	1.2	0
36	On the Sobolev boundedness results of the product of pseudo-differential operators involving a couple of fractional Hankel transforms. Acta Mathematica Sinica, English Series, 2018, 34, 221-232.	0.6	5

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37	The convolution for zero-order Mehler–Fock transform and pseudo-differential operator. Integral Transforms and Special Functions, 2018, 29, 189-206.	1.2	13
38	Two versions of pseudo-differential operators involving the Kontorovich–Lebedev transform in $L^2(\mathbb{R}_+; dx/x)$. Forum Mathematicum, 2018, 30, 31-42.	0.7	12
39	The Kontorovich–Lebedev Transform and Sobolev Type Space. Complex Analysis and Operator Theory, 2018, 12, 669-681.	0.6	4
40	The Kontorovich–Lebedev transform and its associated pseudodifferential operator. Mathematical Methods in the Applied Sciences, 2018, 41, 46-57.	2.3	5
41	A pair of linear canonical Hankel transformations and associated pseudo-differential operators. Applicable Analysis, 2018, 97, 2727-2742.	1.3	12
42	The fractional wavelet transform associated with the second kind of fractional Hankel transform. Journal of Analysis, 2018, 26, 245-257.	0.6	1
43	Continuous wavelet transform associated with zero-order Mehler–Fock transform and its composition. International Journal of Wavelets, Multiresolution and Information Processing, 2018, 16, 1850050.	1.3	7
44	Canonical Hankel wavelet transformation and Calderón's reproducing formula. Filomat, 2018, 32, 2735-2743.	0.5	1
45	A couple of fractional powers of Hankel-type integral transformations and pseudo-differential operators. SeMA Journal, 2017, 74, 181-211.	2.0	9
46	The wavelet transformation involving the fractional powers of Hankel-type integral transformation. Afrika Matematika, 2017, 28, 189-198.	0.8	3
47	Wavelet transforms associated with the Kontorovich–Lebedev transform. International Journal of Wavelets, Multiresolution and Information Processing, 2017, 15, 1750011.	1.3	8
48	Boundedness of pseudo-differential operators involving Kontorovich–Lebedev transform. Integral Transforms and Special Functions, 2017, 28, 300-314.	1.2	11
49	Abelian theorems for fractional wavelet transform. Asian-European Journal of Mathematics, 2017, 10, 1750019.	0.5	2
50	Composition of pseudo-differential operators associated with Kontorovich–Lebedev transform. Integral Transforms and Special Functions, 2016, 27, 878-892.	1.2	3
51	The continuous fractional wavelet transform on a generalized Sobolev space. International Journal of Wavelets, Multiresolution and Information Processing, 2016, 14, 1650046.	1.3	4
52	Integral representations of pseudo-differential operator associated with the Jacobi differential operator. Rendiconti Del Circolo Matematico Di Palermo, 2016, 66, 325.	1.3	0
53	Fractional wavelet packet transformations involving Hankel–Clifford integral transformations. Acta Mathematica Sinica, English Series, 2016, 32, 783-796.	0.6	2
54	Two versions of fractional powers of Hankel-type transformations and pseudo-differential operators. Rendiconti Del Circolo Matematico Di Palermo, 2016, 65, 209-241.	1.3	16

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55	Composition of the Continuous Fractional Wavelet Transforms. The National Academy of Sciences, India, 2016, 39, 115-120.	1.3	11
56	Fractional Continuous Wavelet Transform on Some Function Spaces. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2016, 86, 57-64.	1.2	8
57	A couple of fractional powers of Hankel-type integral transformations of arbitrary order. Bolletino Dell Unione Matematica Italiana, 2016, 9, 323-339.	1.0	3
58	Composition of pseudodifferential operators associated with fractional Hankelâ€"Clifford integral transformations. Applicable Analysis, 2016, 95, 1792-1807.	1.3	15
59	Pseudo-differential operators associated with the Jacobi differential operator and Fourier-cosine wavelet transform. Asian-European Journal of Mathematics, 2015, 08, 1550010.	0.5	6
60	Two variants of fractional powers of Hankel integral transforms of arbitrary order. Annali Dell'Universita Di Ferrara, 2015, 61, 309-331.	1.3	7
61	The continuous fractional wavelet transform on generalized weighted Sobolev spaces. Asian-European Journal of Mathematics, 2015, 08, 1550054.	0.5	6
62	Wavelet Transformation Associated with Second Hankelâ€"Clifford Transformation. The National Academy of Sciences, India, 2015, 38, 493-496.	1.3	9
63	The fractional Hankel wavelet transformation. Asian-European Journal of Mathematics, 2015, 08, 1550030.	0.5	10
64	A pair of pseudo-differential operators involving Hankel-type integral transformations. Journal of Pseudo-Differential Operators and Applications, 2015, 6, 135-151.	0.7	0
65	Boundedness of pseudo-differential operator associated with fractional Hankel transform. Fractional Calculus and Applied Analysis, 2014, 17, 154-170.	2.2	2
66	Two variants of fractional powers of Hankelâ€"Clifford transformations and pseudo-differential operators. Journal of Pseudo-Differential Operators and Applications, 2014, 5, 411-454.	0.7	3
67	The generalized continuous wavelet transform associated with the fractional Fourier transform. Journal of Computational and Applied Mathematics, 2014, 259, 660-671.	2.0	64
68	Hankelâ€"Clifford transformations on some ultradifferentiable function spaces and pseudo-differential operators. Journal of Pseudo-Differential Operators and Applications, 2013, 4, 551-567.	0.7	3
69	The fractional Hankel transform of certain tempered distributions and pseudo-differential operators. Annali Dell'Universita Di Ferrara, 2013, 59, 141-158.	1.3	5
70	The fractional wavelet transform on spaces of typeW. Integral Transforms and Special Functions, 2013, 24, 239-250.	1.2	7
71	PSEUDO-DIFFERENTIAL OPERATORS ASSOCIATED TO A PAIR OF HANKELâ€"CLIFFORD TRANSFORMATIONS ON CERTAIN BEURLING TYPE FUNCTION SPACES. Asian-European Journal of Mathematics, 2013, 06, 1350039.	0.5	13
72	The continuous fractional wave packet transform. AIP Conference Proceedings, 2013, , .	0.4	13

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73	The fractional wavelet transform on spaces of type S. Integral Transforms and Special Functions, 2012, 23, 237-249.	1.2	16
74	PSEUDO-DIFFERENTIAL OPERATORS INVOLVING HANKEL–CLIFFORD TRANSFORMATION. Asian-European Journal of Mathematics, 2012, 05, 1250040.	0.5	16
75	Fractional Fourier transform of tempered distributions and generalized pseudo-differential operator. Journal of Pseudo-Differential Operators and Applications, 2012, 3, 239-254.	0.7	42
76	An n-dimensional pseudo-differential operator involving the Hankel transformation. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2012, 122, 99-120.	0.1	1
77	Color image encoding using fractional Fourier transformation associated with wavelet transformation. Optics Communications, 2012, 285, 1005-1009.	2.1	40
78	Product of two generalized pseudo-differential operators involving fractional Fourier transform. Journal of Pseudo-Differential Operators and Applications, 2011, 2, 355-365.	0.7	34
79	Continuity of pseudo-differential operator $h_{\mu,a}$ involving Hankel translation and Hankel convolution on some Gevrey spaces. Integral Transforms and Special Functions, 2010, 21, 465-477.	1.2	5
80	The Pseudo-differential Operator $h_{\mu,a}$ on Hankel Invariant Spaces. Applicable Analysis, 2003, 82, 187-196.	1.3	2
81	Continuity of Pseudo-differential Operators Associated with the Bessel Operator in Some Gevrey Spaces. Applicable Analysis, 2002, 81, 637-662.	1.3	5
82	A pair of Barut-Girardello type transforms and allied pseudo-differential operators. Rendiconti Del Circolo Matematico Di Palermo, 0, , 1.	1.3	1
83	Wavelet transform and its composition in the framework of Barut-Girardello transform. Journal of Analysis, 0, , .	0.6	0