Yanting Li

List of Publications by Year
in descending order

		394286	395590
94 papers	1,366 citations	19 h-index	33 g-index
95 all docs	95 docs citations	95 times ranked	260 citing authors

#	Article	IF	Citations
1	Adaptive Fourier seriesâ€"a variation of greedy algorithm. Advances in Computational Mathematics, 2011, 34, 279-293.	0.8	143
2	Intrinsic monoâ€component decomposition of functions: An advance of Fourier theory. Mathematical Methods in the Applied Sciences, 2010, 33, 880-891.	1.2	101
3	Algorithm of Adaptive Fourier Decomposition. IEEE Transactions on Signal Processing, 2011, 59, 5899-5906.	3.2	99
4	Frequency-domain identification: An algorithm based on an adaptive rational orthogonal system. Automatica, 2012, 48, 1154-1162.	3.0	77
5	A fast adaptive model reduction method based on Takenakaâ€"Malmquist systems. Systems and Control Letters, 2012, 61, 223-230.	1.3	56
6	Cyclic AFD algorithm for the best rational approximation. Mathematical Methods in the Applied Sciences, 2014, 37, 846-859.	1.2	42
7	Boundary derivatives of the phases of inner and outer functions and applications. Mathematical Methods in the Applied Sciences, 2009, 32, 253-263.	1.2	41
8	Two-dimensional adaptive Fourier decomposition. Mathematical Methods in the Applied Sciences, 2016, 39, 2431-2448.	1.2	37
9	Optimal approximation by Blaschke forms. Complex Variables and Elliptic Equations, 2013, 58, 123-133.	0.4	33
10	Hardy-Sobolev Spaces Decomposition inÂSignal Analysis. Journal of Fourier Analysis and Applications, 2011, 17, 36-64.	0.5	32
11	Adaptive Decomposition by Weighted Inner Functions: A Generalization of Fourier Series. Journal of Fourier Analysis and Applications, 2011, 17, 175-190.	0.5	31
12	Analytic Phase Derivatives, All-Pass Filters and Signals of Minimum Phase. IEEE Transactions on Signal Processing, 2011, 59, 4708-4718.	3.2	31
13	Adaptative Decomposition: The Case of the Druryâ€"Arveson Space. Journal of Fourier Analysis and Applications, 2017, 23, 1426-1444.	0.5	29
14	Adaptive Fourier decomposition of functions in quaternionic Hardy spaces. Mathematical Methods in the Applied Sciences, 2012, 35, 43-64.	1.2	27
15	Comparison of adaptive mono-component decompositions. Nonlinear Analysis: Real World Applications, 2013, 14, 1055-1074.	0.9	26
16	2D Partial Unwindingâ€"A Novel Non-Linear Phase Decomposition of Images. IEEE Transactions on Image Processing, 2019, 28, 4762-4773.	6.0	26
17	STABILITY OF FRAMES GENERATED BY NONLINEAR FOURIER ATOMS. International Journal of Wavelets, Multiresolution and Information Processing, 2005, 03, 465-476.	0.9	24
18	Orthonormal bases with nonlinear phases. Advances in Computational Mathematics, 2010, 33, 75-95.	0.8	24

#	Article	IF	Citations
19	Adaptive orthonormal systems for matrix-valued functions. Proceedings of the American Mathematical Society, 2017, 145, 2089-2106.	0.4	22
20	Tighter Uncertainty Principles Based on Quaternion Fourier Transform. Advances in Applied Clifford Algebras, 2016, 26, 479-497.	0.5	21
21	Content-adaptive image encryption with partial unwinding decomposition. Signal Processing, 2021, 181, 107911.	2.1	21
22	Adaptive Fourier decompositions and rational approximations, part I: Theory. International Journal of Wavelets, Multiresolution and Information Processing, 2014, 12, 1461008.	0.9	20
23	ADAPTIVE DECOMPOSITION INTO MONO-COMPONENTS. Advances in Adaptive Data Analysis, 2009, 01, 703-709.	0.6	18
24	TRANSIENT TIME-FREQUENCY DISTRIBUTION BASED ON MONO-COMPONENT DECOMPOSITIONS. International Journal of Wavelets, Multiresolution and Information Processing, 2013, 11, 1350022.	0.9	18
25	Schwarz lemma in Euclidean spaces. Complex Variables and Elliptic Equations, 2006, 51, 653-659.	0.4	16
26	Extending coherent state transforms to Clifford analysis. Journal of Mathematical Physics, 2016, 57, .	0.5	16
27	Pattern Classification With Corrupted Labeling via Robust Broad Learning System. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 4959-4971.	4.0	16
28	Sampling theorem and multi-scale spectrum based on non-linear Fourier atoms. Applicable Analysis, 2009, 88, 903-919.	0.6	15
29	Hardyâ€"Sobolev derivatives of phase and amplitude, and their applications. Mathematical Methods in the Applied Sciences, 2012, 35, 2017-2030.	1.2	15
30	Phase Derivative of Monogenic Signals in Higher Dimensional Spaces. Complex Analysis and Operator Theory, 2012, 6, 987-1010.	0.3	14
31	ADAPTIVE DECOMPOSITION OF FUNCTIONS INTO PIECES OF NON-NEGATIVE INSTANTANEOUS FREQUENCIES. International Journal of Wavelets, Multiresolution and Information Processing, 2010, 08, 813-833.	0.9	13
32	Basis pursuit for frequency-domain identification. Mathematical Methods in the Applied Sciences, 2016, 39, 498-507.	1.2	13
33	Sparse representations of random signals. Mathematical Methods in the Applied Sciences, 2022, 45, 4210-4230.	1.2	13
34	Rational Approximation of Functions in Hardy Spaces. Complex Analysis and Operator Theory, 2016, 10, 903-920.	0.3	12
35	Coherent state transforms and the Weyl equation in Clifford analysis. Journal of Mathematical Physics, 2017, 58, .	0.5	12
36	Stronger uncertainty principles for hypercomplex signals. Complex Variables and Elliptic Equations, 2015, 60, 1696-1711.	0.4	11

#	Article	IF	Citations
37	Reproducing Kernel Sparse Representations in Relation to Operator Equations. Complex Analysis and Operator Theory, 2020, 14, 1.	0.3	9
38	Mathematical theory of signal analysis vs. complex analysis method of harmonic analysis. Applied Mathematics, 2013, 28, 505-530.	0.6	8
39	Approximation of monogenic functions by higher order Szegö kernels on the unit ball and half space. Science China Mathematics, 2014, 57, 1785-1797.	0.8	8
40	Estimation of hyperbolically partial derivatives of Ï•harmonic quasiconformal mappings and its applications. Complex Variables and Elliptic Equations, 2015, 60, 875-892.	0.4	8
41	Consecutive minimum phase expansion of physically realizable signals with applications. Mathematical Methods in the Applied Sciences, 2016, 39, 62-72.	1.2	8
42	Uncertainty Principle and Phase–Amplitude Analysis of Signals on the Unit Sphere. Advances in Applied Clifford Algebras, 2017, 27, 2985-3013.	0.5	8
43	Extracting outer function part from Hardy space function. Science China Mathematics, 2017, 60, 2321-2336.	0.8	8
44	Fourier Spectrum Characterizations of $$H^{p}$$ H p Spaces on Tubes Over Cones for $$1le p le infty $$ 1 ≤ p ≤ ∞. Complex Analysis and Operator Theory, 2018, 12, 1193-1218.	0.3	8
45	Lppolyharmonic Dirichlet problems in regular domains III: The unit ball. Complex Variables and Elliptic Equations, 2014, 59, 947-965.	0.4	7
46	Hardy space decomposition of on the unit circle:. Complex Variables and Elliptic Equations, 2016, 61, 510-523.	0.4	7
47	A New Local Knowledge-Based Collaborative Representation for Image Recognition. IEEE Access, 2020, 8, 81069-81079.	2.6	7
48	A neighborhood prior constrained collaborative representation for classification. International Journal of Wavelets, Multiresolution and Information Processing, 2021, 19, 2050073.	0.9	7
49	Aveiro method in reproducing kernel Hilbert spaces under complete dictionary. Mathematical Methods in the Applied Sciences, 2017, 40, 7240-7254.	1.2	6
50	A stochastic sparse representation: n-best approximation to random signals and computation. Applied and Computational Harmonic Analysis, 2021, 55, 185-198.	1.1	6
51	Adaptive Fourier Decomposition for Multi-Channel Signal Analysis. IEEE Transactions on Signal Processing, 2022, 70, 903-918.	3.2	6
52	Spaces of harmonic functions with boundary values in. Applicable Analysis, 2014, 93, 2498-2518.	0.6	5
53	Space-frequency analysis in higher dimensions and applications. Annali Di Matematica Pura Ed Applicata, 2015, 194, 953-968.	0.5	5
54	A Frame Theory of Hardy Spaces with the Quaternionic and the Clifford Algebra Settings. Advances in Applied Clifford Algebras, 2017, 27, 1073-1101.	0.5	5

#	Article	IF	Citations
55	A Novel Two-Dimensional Unwinding Decomposition for Image Signals. IEEE Access, 2019, 7, 168700-168709.	2.6	5
56	`A real-time classification model based on joint sparse-collaborative representation. Journal of Real-Time Image Processing, 2021, 18, 1837-1849.	2.2	5
57	Functional Feature Extraction for Hyperspectral Image Classification With Adaptive Rational Function Approximation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7680-7694.	2.7	5
58	Adaptive Fourier tester for statistical estimation. Mathematical Methods in the Applied Sciences, 2016, 39, 3478-3495.	1.2	4
59	Reproducing Kernels of Some Weighted Bergman Spaces. Journal of Geometric Analysis, 2021, 31, 9527-9550.	0.5	4
60	A Theory on Non-Constant Frequency Decompositions and Applications. , 2020, , 1-37.		4
61	Half Dirichlet Problems and Decompositions of Poisson Kernels. Advances in Applied Clifford Algebras, 2007, 17, 383-393.	0.5	3
62	Shannon-type sampling for multivariate non-bandlimited signals. Science China Mathematics, 2013, 56, 1915-1934.	0.8	3
63	Quasihyperbolic Distance in Punctured Planes. Complex Analysis and Operator Theory, 2013, 7, 655-672.	0.3	3
64	On sparse representation of analytic signal in Hardy space. Mathematical Methods in the Applied Sciences, 2013, 36, 2297-2310.	1.2	3
65	Sampling error analysis and some properties of non-bandlimited signals that are reconstructed by generalized sinc functions. Applicable Analysis, 2014, 93, 305-315.	0.6	3
66	Approximation of functions by higher order Szegö kernels I. Complex variable cases. Complex Variables and Elliptic Equations, 2015, 60, 733-747.	0.4	3
67	Wavelets and Holomorphic Functions. Complex Analysis and Operator Theory, 2018, 12, 1421-1442.	0.3	3
68	Rational approximation in Hardy spaces on strips. Complex Variables and Elliptic Equations, 2018, 63, 1721-1738.	0.4	3
69	AFD-based ILC designs in frequency domain for linear discrete-time systems. International Journal of Systems Science, 2020, 51, 3393-3407.	3.7	3
70	Some Remarks on the Boundary Behaviors of Functions in the Monogenic Hardy Spaces. Advances in Applied Clifford Algebras, 2012, 22, 819-826.	0.5	2
71	The Fourier type expansions on tubes. Complex Variables and Elliptic Equations, 2022, 67, 433-461.	0.4	2
72	An adaptive method of model reduction in frequency domain. , 2011, , .		1

#	Article	IF	Citations
73	Zeroes of slice monogenic functions. Mathematical Methods in the Applied Sciences, 2011, 34, 1398-1405.	1.2	1
74	Sufficient conditions for shift-invariant systems to be frames in L 2(â„•n). Acta Mathematica Sinica, English Series, 2013, 29, 1629-1636.	0.2	1
75	SPARSE RECONSTRUCTION OF HARDY SIGNAL AND APPLICATIONS TO TIME-FREQUENCY DISTRIBUTION. International Journal of Wavelets, Multiresolution and Information Processing, 2013, 11, 1350031.	0.9	1
76	Unbounded holomorphic Fourier multipliers on starlike Lipschitz surfaces and applications to Sobolev spaces. Nonlinear Analysis: Theory, Methods & Applications, 2014, 95, 436-449.	0.6	1
77	A sharp lower bound of Burkholderâ€™s functional for $$K$$ K -quasiconformal mappings and its applications. Monatshefte Fur Mathematik, 2014, 175, 195-212.	0.5	1
78	Fast algorithm of adaptive Fourier series. Mathematical Methods in the Applied Sciences, 2018, 41, 2654-2663.	1.2	1
79	Reconstruction of analytic signal in Sobolev space by framelet sampling approximation. Applicable Analysis, 2018, 97, 194-209.	0.6	1
80	Hilbert Transformation and Representation of the ax + b Group. Canadian Mathematical Bulletin, 2018, 61, 70-84.	0.3	1
81	Hardy space decompositions of $L^p(â„^n)$ for 0 < p < 1 with rational approximation. Complex Variables and Elliptic Equations, 2019, 64, 606-630.	0.4	1
82	Adaptive Fourier decomposition in. Mathematical Methods in the Applied Sciences, 2019, 42, 2016-2024.	1.2	1
83	Spectra of rational orthonormal systems. Science China Mathematics, 2019, 62, 1961-1976.	0.8	1
84	A novel 2D partial unwinding adaptive Fourier decomposition method with application to frequency domain system identification. Mathematical Methods in the Applied Sciences, 2019, 42, 3123-3135.	1.2	1
85	Timeâ€"frequency transform involving nonlinear modulation and frequency-varying dilation. Complex Variables and Elliptic Equations, 2020, 65, 1800-1813.	0.4	1
86	Uniform generalizations of Fueterâ€™s theorem. Annali Di Matematica Pura Ed Applicata, 2021, 200, 229-251.	0.5	1
87	A class of iterative greedy algorithms related to Blaschke product. Science China Mathematics, 0, , 1.	0.8	1
88	Multi-resolution Collaborative Representation for Face Recognition. , 2020, , .		1
89	Nonharmonic system with greedy algorithm. , 2011, , .		0
90	An implementation approach for ideal time-frequency distribution. , 2014, , .		0

#	Article	IF	Citations
91	A constructive proof of Beurling-Lax theorem. Chinese Annals of Mathematics Series B, 2015, 36, 141-146.	0.2	0
92	The generalized Matsaev theorem on growth of subharmonic functions admitting a lower bound in $ℓ^n$. Complex Variables and Elliptic Equations, 2017, 62, 642-653.	0.4	0
93	The Dual Elements of Function Sets and Fefferman–Stein Decomposition of Triebel–Lizorkin Functions via Wavelets. Computational Methods and Function Theory, 2020, 20, 185-216.	0.8	0
94	Adaptive Fourier decomposition in Hp. Mathematical Methods in the Applied Sciences, 0, , .	1.2	0