Zhihua Yang

List of Publications by Year in descending order

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933447 713466 40 566 10 21 citations h-index g-index papers 40 40 40 411 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Robust Image Watermarking Based on Multiband Wavelets and Empirical Mode Decomposition. IEEE Transactions on Image Processing, 2007, 16, 1956-1966.	9.8	134
2	EMD2FNN: A strategy combining empirical mode decomposition and factorization machine based neural network for stock market trend prediction. Expert Systems With Applications, 2019, 115, 136-151.	7.6	107
3	The Bedrosian identity for <mml:math altimg="si1.gif" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi mathvariant="bold">H</mml:mi><mml:mi>p</mml:mi></mml:msup></mml:math> functions. Journal of Mathematical Analysis and Applications. 2008. 345. 975-984.	1.0	26
4	A method to eliminate riding waves appearing in the empirical AM/FM demodulation., 2008, 18, 488-504.		26
5	Rational orthogonal bases satisfying the Bedrosian identity. Advances in Computational Mathematics, 2010, 33, 285-303.	1.6	23
6	CONVERGENCE OF A CONVOLUTION-FILTERING-BASED ALGORITHM FOR EMPIRICAL MODE DECOMPOSITION. Advances in Adaptive Data Analysis, 2009, 01, 561-571.	0.6	21
7	Optimal averages for nonlinear signal decompositions—Another alternative for empirical mode decomposition. Signal Processing, 2016, 121, 17-29.	3.7	19
8	An oblique-extrema-based approach for empirical mode decomposition., 2010, 20, 699-714.		16
9	An improved envelope algorithm for eliminating undershoots. , 2013, 23, 401-411.		15
10	A novel envelope model based on convex constrained optimization., 2014, 29, 138-146.		14
11	A CCA and ICA-Based Mixture Model for Identifying Major Depression Disorder. IEEE Transactions on Medical Imaging, 2017, 36, 745-756.	8.9	12
12	On the Representational Power of Restricted Boltzmann Machines for Symmetric Functions and Boolean Functions. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1335-1347.	11.3	12
13	Graph Fourier transform based on â, "1 norm variation minimization. Applied and Computational Harmonic Analysis, 2021, 52, 348-365.	2.2	12
14	The structure of instantaneous frequencies of periodic analytic signals. Science China Mathematics, 2010, 53, 347-355.	1.7	10
15	Vakman $\hat{E}1/4$ s problem and the extension of Hilbert transform. Applied and Computational Harmonic Analysis, 2013, 34, 308-316.	2.2	10
16	IF2CNN: Towards non-stationary time series feature extraction by integrating iterative filtering and convolutional neural networks. Expert Systems With Applications, 2021, 170, 114527.	7.6	10
17	Construction of periodic analytic signals satisfying the circular Bedrosian identity. IMA Journal of Applied Mathematics, 2010, 75, 246-256.	1.6	9
18	Reconstruction of bandlimited graph signals from measurements. , 2020, 101, 102728.		9

#	Article	IF	CITATIONS
19	Vakman's analysis in <i>L</i> ² (â,,). International Journal of Computer Mathematics, 2011, 88, 545-554.	1.8	8
20	Approximation by the nonlinear Fourier basis. Science China Mathematics, 2011, 54, 1207-1214.	1.7	7
21	Efficient Node Selection Strategy for Sampling Bandlimited Signals on Graphs. IEEE Transactions on Signal Processing, 2021, 69, 5815-5829.	5.3	7
22	A Reconstruction Method for Graph Signals Based on the Power Spectral Density Estimation., 2021, 122, 103347.		7
23	<formula formulatype="inline"><tex notation="TeX">\$epsilon\$</tex> </formula> -Mono-Component: Its Characterization and Construction. IEEE Transactions on Signal Processing, 2015, 63, 234-243.	5.3	6
24	The model and construction of weak IMFs. Computational and Applied Mathematics, 2015, 34, 661-670.	1.3	5
25	Hilbert spectrum analysis of piecewise stationary signals and its application to texture classification. , 2018, 82, 1-10.		5
26	Major depressive disorder identification by referenced multiset canonical correlation analysis with clinical scores. Medical Image Analysis, 2020, 60, 101600.	11.6	5
27	A new prediction method for recommendation system based on sampling reconstruction of signal on graph. Expert Systems With Applications, 2020, 159, 113587.	7.6	5
28	The structures of some typical intrinsic mode functions. Mathematical Methods in the Applied Sciences, 2012, 35, 2075-2084.	2.3	4
29	An orthogonal partition selection strategy for the sampling of graph signals with successive local aggregations. Signal Processing, 2021, 188, 108211.	3.7	4
30	Approximation properties of Gaussian-binary restricted Boltzmann machines and Gaussian-binary deep belief networks. Neural Networks, 2022, 153, 49-63.	5.9	4
31	Towards the representational power of restricted Boltzmann machines. Neurocomputing, 2020, 415, 358-367.	5.9	3
32	Approximation theorems on graphs. Journal of Approximation Theory, 2021, 270, 105620.	0.8	3
33	Best twoâ€parameter rational approximation algorithm of given order: a variation of adaptive Fourier decomposition. Mathematical Methods in the Applied Sciences, 2015, 38, 2816-2829.	2.3	2
34	The theoretical analysis for an iterative envelope algorithm. , 2015, 38, 32-42.		2
35	Mono-frequency signals: Model and construction. , 2017, 69, 185-192.		2
36	Orthogonality in Banach spaces and orthogonal multiscaleL 1-approximation. Science Bulletin, 1999, 44, 25-35.	1.7	1

#	Article	IF	CITATIONS
37	Constructions of ϵ-mono-components and mathematical analysis on signal decomposition algorithm. Applied Mathematics and Computation, 2017, 293, 555-564.	2.2	1
38	A new bidimensional EMD algorithmand its applications. , 2014, , .		0
39	A unified mathematical treatment for Bedrosian identity. , 2016, , .		O
40	Hilbert-Huang Transform: Its Background, Algorithms and Applications. Series in Contemporary Applied Mathematics, 2010, , 138-178.	0.8	O