

Yi-Fei Pu

List of Publications by Year in descending order

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66
papers

2,480
citations

304743

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197818

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docs citations

66
times ranked

1587
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractional Differential Mask: A Fractional Differential-Based Approach for Multiscale Texture Enhancement. IEEE Transactions on Image Processing, 2010, 19, 491-511.	9.8	622
2	Fracmemristor: Fractional-Order Memristor. IEEE Access, 2016, 4, 1872-1888.	4.2	151
3	Measurement Units and Physical Dimensions of Fractance-Part I: Position of Purely Ideal Fractor in Chua's Axiomatic Circuit Element System and Fractional-Order Reactance of Fractor in Its Natural Implementation. IEEE Access, 2016, 4, 3379-3397.	4.2	135
4	Measurement Units and Physical Dimensions of Fractance-Part II: Fractional-Order Measurement Units and Physical Dimensions of Fractance and Rules for Fractors in Series and Parallel. IEEE Access, 2016, 4, 3398-3416.	4.2	128
5	Fractional-Order Deep Backpropagation Neural Network. Computational Intelligence and Neuroscience, 2018, 2018, 1-10.	1.7	122
6	Fractional differential approach to detecting textural features of digital image and its fractional differential filter implementation. Science in China Series F: Information Sciences, 2008, 51, 1319-1339.	1.1	106
7	Fractional Extreme Value Adaptive Training Method: Fractional Steepest Descent Approach. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 653-662.	11.3	94
8	Fractional Hopfield Neural Networks: Fractional Dynamic Associative Recurrent Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2319-2333.	11.3	89
9	Feature Selection Using a Neural Network With Group Lasso Regularization and Controlled Redundancy. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1110-1123.	11.3	71
10	Statistical iterative reconstruction using adaptive fractional order regularization. Biomedical Optics Express, 2016, 7, 1015.	2.9	65
11	Analog Circuit Realization of Arbitrary-Order Fractional Hopfield Neural Networks: A Novel Application of Fractor to Defense Against Chip Cloning Attacks. IEEE Access, 2016, 4, 5417-5435.	4.2	63
12	A texture image denoising approach based on fractional developmental mathematics. Pattern Analysis and Applications, 2016, 19, 427-445.	4.6	63
13	Fractional-Order Fusion Model for Low-Light Image Enhancement. Symmetry, 2019, 11, 574.	2.2	58
14	A Fractional-Order Variational Framework for Retinex: Fractional-Order Partial Differential Equation-Based Formulation for Multi-Scale Nonlocal Contrast Enhancement with Texture Preserving. IEEE Transactions on Image Processing, 2018, 27, 1214-1229.	9.8	54
15	Analog Circuit Implementation of Fractional-Order Memristor: Arbitrary-Order Lattice Scaling Fracmemristor. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 2903-2916.	5.4	52
16	A fractional partial differential equation based multiscale denoising model for texture image. Mathematical Methods in the Applied Sciences, 2014, 37, 1784-1806.	2.3	37
17	A global neural network learning machine: Coupled integer and fractional calculus operator with an adaptive learning scheme. Neural Networks, 2021, 143, 386-399.	5.9	32
18	A Framework for Automatic Building Detection from Low-Contrast Satellite Images. Symmetry, 2019, 11, 3.	2.2	31

#	ARTICLE	IF	CITATIONS
19	Fractional-Order Euler-Lagrange Equation for Fractional-Order Variational Method: A Necessary Condition for Fractional-Order Fixed Boundary Optimization Problems in Signal Processing and Image Processing. <i>IEEE Access</i> , 2016, 4, 10110-10135.	4.2	28
20	Fractional-order global optimal backpropagation machine trained by an improved fractional-order steepest descent method. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020, 21, 809-833.	2.6	28
21	Fractional partial differential equation denoising models for texture image. <i>Science China Information Sciences</i> , 2014, 57, 1-19.	4.3	26
22	Combination of fractional FLANN filters for solving the Van der Pol-Duffing oscillator. <i>Neurocomputing</i> , 2020, 399, 183-192.	5.9	26
23	An Ontological Chinese Legal Consultation System. <i>IEEE Access</i> , 2017, 5, 18250-18261.	4.2	22
24	A novel approach for multi-scale texture segmentation based on fractional differential. <i>International Journal of Computer Mathematics</i> , 2011, 88, 58-78.	1.8	21
25	Structure revealing of low-light images using wavelet transform based on fractional-order denoising and multiscale decomposition. <i>Visual Computer</i> , 2021, 37, 865-880.	3.5	21
26	Defense Against Chip Cloning Attacks Based on Fractional Hopfield Neural Networks. <i>International Journal of Neural Systems</i> , 2017, 27, 1750003.	5.2	19
27	A Smart System for Low-Light Image Enhancement with Color Constancy and Detail Manipulation in Complex Light Environments. <i>Symmetry</i> , 2018, 10, 718.	2.2	19
28	A framework for fast automatic image cropping based on deep saliency map detection and gaussian filter. <i>International Journal of Computers and Applications</i> , 2019, 41, 207-217.	1.3	19
29	An Input Weights Dependent Complex-Valued Learning Algorithm Based on Wirtinger Calculus. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 2920-2932.	9.3	19
30	Efficient Image Enhancement Model for Correcting Uneven Illumination Images. <i>IEEE Access</i> , 2020, 8, 109038-109053.	4.2	17
31	Hermite Functional Link Artificial-Neural-Network-Assisted Adaptive Algorithms for IoV Nonlinear Active Noise Control. <i>IEEE Internet of Things Journal</i> , 2020, 7, 8372-8383.	8.7	17
32	Low-dose CT image denoising using residual convolutional network with fractional TV loss. <i>Neurocomputing</i> , 2021, 452, 510-520.	5.9	17
33	An Enhanced Fractional Least Mean Square Filter Encountering the Specific Unknown System Vector. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 1912-1916.	3.0	17
34	An improved method for image denoising based on fractional-order integration. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020, 21, 1485-1493.	2.6	16
35	Robust Q -Gradient Subband Adaptive Filter for Nonlinear Active Noise Control. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2021, 29, 2741-2752.	5.8	15
36	Nonlocal Similarity Modeling and Deep CNN Gradient Prior for Super Resolution. <i>IEEE Signal Processing Letters</i> , 2018, 25, 916-920.	3.6	12

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37	Fractional-Order Spatial Steganography and Blind Steganalysis for Printed Matter: Anti-Counterfeiting for Product External Packing in Internet-of-Things. IEEE Internet of Things Journal, 2019, 6, 6368-6383.	8.7	12
38	1/2 Order Fractional Differential Tree Type Circuit of Digital Image. , 2008, , .		10
39	Scaling Fractal-Chuan Fractance Approximation Circuits of Arbitrary Order. Circuits, Systems, and Signal Processing, 2019, 38, 4933-4958.	2.0	10
40	Fractional-order quantum particle swarm optimization. PLoS ONE, 2019, 14, e0218285.	2.5	9
41	A Widely Linear Complex-Valued Affine Projection Sign Algorithm with Its Steady-State Mean-Square Analysis. Circuits, Systems, and Signal Processing, 2022, 41, 3446-3464.	2.0	9
42	Fractional-Order Memristive Predictor: Arbitrary-Order String Scaling Fracmemristor Based Prediction Model of Trading Price of Future. IEEE Intelligent Systems, 2020, 35, 66-78.	4.0	8
43	Fractional-Order Retinex for Adaptive Contrast Enhancement of Under-Exposed Traffic Images. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 149-159.	3.8	8
44	Fractional-order memristive neural synaptic weighting achieved by pulse-based fracmemristor bridge circuit. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 862-876.	2.6	8
45	Fractional-Order Dual-Slope Integral Fast Analog-to-Digital Converter with High Sensitivity. Journal of Circuits, Systems and Computers, 2020, 29, 2050083.	1.5	7
46	Ladder Scaling Fracmemristor: A Second Emerging Circuit Structure of Fractional-Order Memristor. IEEE Design and Test, 2021, 38, 104-111.	1.2	7
47	Satellite Image Enhancement using Wavelet-domain based on Singular Value Decomposition. International Journal of Advanced Computer Science and Applications, 2019, 10, .	0.7	7
48	Fractional-Order Ant Colony Algorithm: A Fractional Long Term Memory Based Cooperative Learning Approach. Swarm and Evolutionary Computation, 2022, 69, 101014.	8.1	7
49	An Improved Ant Colony Optimization Algorithm Based on Fractional Order Memory for Traveling Salesman Problems. , 2019, , .		6
50	Distributed functional link adaptive filtering for nonlinear graph signal processing. , 2022, 128, 103558.		6
51	A Fractional-Order Variational Residual CNN for Low Dose CT Image Denoising. Lecture Notes in Computer Science, 2019, , 238-249.	1.3	5
52	A class of fractal-chain fractance approximation circuit. International Journal of Electronics, 2020, 107, 1588-1608.	1.4	5
53	Flattenet: A Simple and Versatile Framework for Dense Pixelwise Prediction. IEEE Access, 2019, 7, 179985-179996.	4.2	4
54	Image Enhancement in Varying Light Conditions Based on Wavelet Transform. , 2019, , .		4

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55	Numerical Simulation Research of Fracmemristor Circuit Based on HP Memristor. Journal of Circuits, Systems and Computers, 2018, 27, 1850227.	1.5	3
56	Recovering shape and motion by a dynamic system for low-rank matrix approximation in L 1 norm. Visual Computer, 2013, 29, 421-431.	3.5	2
57	A Mathematical analysis: from Memristor to Fracmemristor. Chinese Physics B, 0, , .	1.4	2
58	Fast X-Ray CT metal artifacts reduction based on noniterative sinogram inpainting. , 2011, , .		1
59	DESIGN OF $-1/2n$ ORDER ANALOG FRACTANCE APPROXIMATION CIRCUIT USING CONTINUED FRACTIONS DECOMPOSITION. Journal of Circuits, Systems and Computers, 2012, 21, 1250035.	1.5	1
60	A Novel Noniterative Metal Artifact Reduction Method Using Coherence Transport with Fast Marching in Computed Tomography. International Journal of Imaging Systems and Technology, 2012, 22, 1-8.	4.1	1
61	Order-Frequency Characteristics of a Promising Circuit Element: Fractor. Journal of Circuits, Systems and Computers, 2016, 25, 1650156.	1.5	1
62	Noise reduction in low-dose CT with stacked sparse denoising autoencoders. , 2016, , .		1
63	Irregular Action Recognition in Court with 3D Residual Network. , 2020, , .		1
64	Solving SIMO Nonlinear Systems With Euler Nonlinear Filter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1897-1901.	3.0	1
65	Analog Circuit Realization of Arbitrary-Order Fractional Hopfield Neural Networks: A Novel Application of Fractor to Defense against Chip Cloning Attacks. IEEE Access, 2016, , 1-1.	4.2	1
66	Circuit Implementation of Variable-Order Scaling Fractal-Ladder Fractor with High Resolution. Fractal and Fractional, 2022, 6, 388.	3.3	1