Sidan Du

List of Publications by Year
in descending order

85 papers	1,728 citations	361296 20 h-index	302012 39 g-index
85 all docs	85 docs citations	85 times ranked	1982 citing authors

#	Article	IF	Citations
1	Image based fruit category classification by 13-layer deep convolutional neural network and data augmentation. Multimedia Tools and Applications, 2019, 78, 3613-3632.	2.6	271
2	Feed‐forward neural network optimized by hybridization of PSO and ABC for abnormal brain detection. International Journal of Imaging Systems and Technology, 2015, 25, 153-164.	2.7	172
3	FUS Interacts with HSP60 to Promote Mitochondrial Damage. PLoS Genetics, 2015, 11, e1005357.	1.5	143
4	Fine-Grained Vehicle Model Recognition Using A Coarse-to-Fine Convolutional Neural Network Architecture. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 1782-1792.	4.7	104
5	Host load prediction with long short-term memory in cloud computing. Journal of Supercomputing, 2018, 74, 6554-6568.	2.4	101
6	Application of stationary wavelet entropy in pathological brain detection. Multimedia Tools and Applications, 2018, 77, 3701-3714.	2.6	73
7	Wavelet Entropy and Directed Acyclic Graph Support Vector Machine for Detection of Patients with Unilateral Hearing Loss in MRI Scanning. Frontiers in Computational Neuroscience, 2016, 10, 106.	1.2	69
8	Pathological Brain Detection via Wavelet Packet Tsallis Entropy and Real-Coded Biogeography-based Optimization. Fundamenta Informaticae, 2017, 151, 275-291.	0.3	62
9	An ALS-mutant TDP-43 neurotoxic peptide adopts an anti-parallel Î²-structure and induces TDP-43 redistribution. Human Molecular Genetics, 2014, 23, 6863-6877.	1.4	48
10	Semantic Parametric Reshaping of Human Body Models. , 2014, , .		47
11	Multi-step-ahead host load prediction using autoencoder and echo state networks in cloud computing. Journal of Supercomputing, 2015, 71, 3037-3053.	2.4	46
12	Resource allocation for multiuser cognitive OFDM networks with proportional rate constraints. International Journal of Communication Systems, 2012, 25, 254-269.	1.6	44
13	Towards Clinical Translation of LED-Based Photoacoustic Imaging: A Review. Sensors, 2020, 20, 2484.	2.1	41
14	Piano AR: A Markerless Augmented Reality Based Piano Teaching System. , 2011, , .		37
15	A new method based on PSR and EA-GMDH for host load prediction in cloud computing system. Journal of Supercomputing, 2014, 68, 1402-1417.	2.4	37
16	Leveraging Two Kinect Sensors for Accurate Full-Body Motion Capture. Sensors, 2015, 15, 24297-24317.	2.1	36
17	Sparse Modeling of Nonlinear Secondary Path for Nonlinear Active Noise Control. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 482-496.	2.4	36
18	Morphological analysis of dendrites and spines by hybridization of ridge detection with twin support vector machine. PeerJ, 2016, 4, e2207.	0.9	27

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19	Tea Category Identification using Computer Vision and Generalized Eigenvalue Proximal SVM. Fundamenta Informaticae, 2017, 151, 325-339.	0.3	27
20	A new method for quantifying mitochondrial axonal transport. Protein and Cell, 2016, 7, 804-819.	4.8	26
21	Super-Segments Based Classification of 3D Urban Street Scenes. International Journal of Advanced Robotic Systems, 2012, 9, 248.	1.3	25
22	Multi-objective path finding in stochastic networks using a biogeography-based optimization method. Simulation, 2016, 92, 637-647.	1.1	24
23	Multi-step-ahead Host Load Prediction with GRU Based Encoder-Decoder in Cloud Computing. , 2018, , .		21
24	A low complexity fast lattice reduction algorithm for MIMO detection. , 2012, , .		13
25	Nonlinear short-term heart rate variability prediction of spontaneous ventricular tachyarrhythmia. Science Bulletin, 2008, 53, 2446-2453.	4.3	12
26	A Novel Partitioned Light Guide Backlight LCD for Mobile Devices and Local Dimming Method With Nonuniform Backlight Compensation. Journal of Display Technology, 2014, 10, 321-328.	1.3	11
27	Full-Diversity Approximated Lattice Reduction Algorithm for Low-Complexity MIMO Detection. IEEE Communications Letters, 2014, 18, 1079-1082.	2.5	11
28	Adaptive Function Expansion 3-D Diagonal-Structure Bilinear Filter for Active Noise Control of Saturation Nonlinearity. IEEE Access, 2018, 6, 65139-65150.	2.6	11
29	Ultrasound-Guided Detection and Segmentation of Photoacoustic Signals from Bone Tissue In Vivo. Applied Sciences (Switzerland), 2021, 11, 19.	1.3	10
30	Fusion of Local Manifold Learning Methods. IEEE Signal Processing Letters, 2015, 22, 395-399.	2.1	9
31	Integer Linear Programming Based Topology Design for GNSSs With Inter-Satellite Links. IEEE Wireless Communications Letters, 2021, 10, 286-290.	3.2	9
32	Power allocation for orthogonal frequency division multiplexing€based cognitive radio networks with cooperative relays. IET Communications, 2014, 8, 921-929.	1.5	8
33	Robust Hessian Locally Linear Embedding Techniques for High-Dimensional Data. Algorithms, 2016, 9, 36.	1.2	8
34	Dynamic Human Body Modeling Using a Single RGB Camera. Sensors, 2016, 16, 402.	2.1	8
35	Rotation, scale and translation invariant image watermarking using radon transform and fourier transform. , 0, , .		6
36	AD-AODV: A Improved Routing Protocol Based on Network Mobility and Route Hops. , 2012, , .		6

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37	Host Load Prediction Based on PSR and EA-GMDH for Cloud Computing System. , 2013, , .		6
38	Single View 3D Face Reconstruction with Landmark Updating. , 2019, , .		6
39	Biometric Watermarking Based on Affine Parameters Estimation. , 2009, , .		5
40	Distributed optimal cyclotomic space-time coding for full-duplex cooperative relay networks. , 2013, , .		5
41	Complex Korkine-Zolotareff Reduction Algorithm for Full-Diversity MIMO Detection. IEEE Communications Letters, 2013, 17, 381-384.	2.5	5
42	Topology Design for GNSSs Under Polling Mechanism Considering Both Inter-Satellite Links and Ground-Satellite Links. IEEE Transactions on Vehicular Technology, 2022, 71, 2084-2097.	3.9	5
43	Resource allocation in OFDM-based multi-cell cognitive radio systems. , 2011, , .		4
44	Markerless Motion Capture of Human Body Using PSO with Single Depth Camera. , 2012, , .		4
45	Improved digital breast tomosynthesis images using automated ultrasound. Medical Physics, 2014, 41, 061911.	1.6	4
46	Global disassortative rewiring strategy for enhancing the robustness of scale-free networks against localized attack. Physical Review E, 2021, 103, 022313.	0.8	4
47	Pixel-level Diabetic Retinopathy Lesion Detection Using Multi-scale Convolutional Neural Network. , 2021, , .		4
48	Exploiting Edge Computing in Internet of Space Things Networks: Dynamic and Static Server Placement. , 2021, , .		4
49	Semi-Supervised Nonparametric Discriminant Analysis. IEICE Transactions on Information and Systems, 2013, E96.D, 375-378.	0.4	3
50	Efficient interâ€carrier interference cancellation transmissions for cooperative networks with frequency offsets. IET Communications, 2016, 10, 2575-2581.	1.5	3
51	Using Temporal Correlation to Optimize Stereo Matching in Video Sequences. IEICE Transactions on Information and Systems, 2019, E102.D, 1183-1196.	0.4	3
52	Stereo Matching Optimization with Multi-baseline Trinocular Camera Model. , 2020, , .		3
53	Learning human shape model from multiple databases with correspondence considering kinematic consensus. Visual Computer, 2015, 31, 19-33.	2.5	2
54	Autonomous main-cable vibration monitoring using wireless smart sensors for large-scale three-pylon suspension bridges: A case study. Journal of Low Frequency Noise Vibration and Active Control, 2020, 39, 604-615.	1.3	2

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55	Minimal Path based Particle Tracking in Low SNR Fluorescence Microscopy Images. , 2019, , .		2
56	A Realistic, Flexible and Extendible Network Emulation Platform for Space Networks. Electronics (Switzerland), 2022, 11, 1236.	1.8	2
57	Study of large travel tube scanner for photon scanning tunneling microscopy and its investigation for soft materials. Review of Scientific Instruments, 1997, 68, 1764-1768.	0.6	1
58	Robust digital image watermarking method against RST attacks. , 0, , .		1
59	Optimizations for ARM11 MPCore on Computational Capabilities and Interrupt Processing. , 2009, , .		1
60	Fast genetic algorithm for bits allocation in OFDM based cognitive radio systems. , 2010, , .		1
61	Full Diversity Full Rate Cyclotomic Orthogonal Space-Time Block Codes for MIMO Wireless Systems. IEICE Transactions on Communications, 2012, E95.B, 3349-3352.	0.4	1
62	Cost-Aware Automatic Virtual Machine Scaling in Fine Granularity for Cloud Applications. , 2013, , .		1
63	Two-way cyclotomic orthogonal space-time transmission scheme for asynchronous cooperative systems. , 2014, , .		1
64	Efficient adaptive bilinear filters for nonlinear active noise control. , 2016, , .		1
65	Higher-order class-specific priors for semantic segmentation of 3D outdoor scenes. , 2016, , .		1
66	Efficient Implementation of Volterra Diagonal Bilinear Filter for Nonlinear Active Noise Control. , 2019, , .		1
67	Estimating the Binding and Unbinding Rate of Motor Protein from Mitochondrial Motion. , 2020, , .		1
68	A Shadow Detection Method for Retaining Key Objects in Complex Scenes. , 2021, , .		1
69	Fine-grained 3D Face Reconstruction from a Single Image using Illumination Priors. , 2019, , .		1
70	Theoretical Calculation of TAM and Correction of Topography. , 0, , .		0
71	Channel estimation using fast FBM algorithm for WCDMA. , 0, , .		0
72	Evolutionary Particle Swarm Algorithm Based on Higher Order Cumulant Fitting for Blind Channel Identification. , 2008, , .		0

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73	Biometric Watermarking based on affine parameters estimation. , 2009, , .		0
74	Cost-Aware Dynamic Virtual Machine Purchase Plan Orchestrator for Multi-tier Cloud Applications. , 2013, , .		0
75	A novel design of multi-blocks light guide plate for dimming edge-type LED backlight. , 2013, , .		0
76	A novel approach based on cluster-group for classification of 3D residential scene. , 2014, , .		0
77	A 3-D deconvolution based particle detection method for wide-field microscopy image. , 2014, , .		0
78	A novel frequency reversal transmission for cooperative networks with frequency offsets. , 2016, , .		0
79	Adaptive even mirror Fourier filtered error LMS algorithm for multichannel nonlinear active noise control. , 2016, , .		0
80	Structural Condition Assessment of the Herringbone Middle Pylon of the Taizhou Bridge Using SHM Strain Data. Journal of Sensors, 2017, 2017, 1-10.	0.6	0
81	A Review on Quantitative Analyzing Axonal Transport of Mitochondria. , 2021, , .		0
82	Lattice Reduction Aided Joint Precoding for MIMO-Relay Broadcast Communication. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 869-873.	0.2	0
83	A Novel Skeleton-based Model with Spine for 3D Human Pose Estimation. , 2022, , .		0
84	The study of stereo matching optimization based on multi-baseline trinocular model. Multimedia Tools and Applications, 2022, 81, 12961.	2.6	0
85	A Discussion of Optimization about Stereo Image Depth Estimation Based on Multi-baseline Trinocular Camera Model. , 2021, , .		0