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	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
2	A Novel Skeleton-based Model with Spine for 3D Human Pose Estimation. , 2022, , .		0
3	The study of stereo matching optimization based on multi-baseline trinocular model. Multimedia Tools and Applications, 2022, 81, 12961.	2.6	0
4	A Realistic, Flexible and Extendible Network Emulation Platform for Space Networks. Electronics (Switzerland), 2022, 11, 1236.	1.8	2
5	Integer Linear Programming Based Topology Design for GNSSs With Inter-Satellite Links. IEEE Wireless Communications Letters, 2021, 10, 286-290.	3.2	9
6	A Shadow Detection Method for Retaining Key Objects in Complex Scenes. , 2021, , .		1
7	Global disassortative rewiring strategy for enhancing the robustness of scale-free networks against localized attack. Physical Review E, 2021, 103, 022313.	0.8	4
8	A Review on Quantitative Analyzing Axonal Transport of Mitochondria. , 2021, , .		0
9	Pixel-level Diabetic Retinopathy Lesion Detection Using Multi-scale Convolutional Neural Network. , 2021, , .		4
10	Ultrasound-Guided Detection and Segmentation of Photoacoustic Signals from Bone Tissue In Vivo. Applied Sciences (Switzerland), 2021, 11, 19.	1.3	10
11	Exploiting Edge Computing in Internet of Space Things Networks: Dynamic and Static Server Placement. , 2021, , .		4
12	A Discussion of Optimization about Stereo Image Depth Estimation Based on Multi-baseline Trinocular Camera Model. , 2021, , .		0
13	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
14	Estimating the Binding and Unbinding Rate of Motor Protein from Mitochondrial Motion. , 2020, , .		1
15	Towards Clinical Translation of LED-Based Photoacoustic Imaging: A Review. Sensors, 2020, 20, 2484.	2.1	41
16	Stereo Matching Optimization with Multi-baseline Trinocular Camera Model. , 2020, , .		3
17	Single View 3D Face Reconstruction with Landmark Updating. , 2019, , .		6
18	Efficient Implementation of Volterra Diagonal Bilinear Filter for Nonlinear Active Noise Control. , 2019, , .		1

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19	Using Temporal Correlation to Optimize Stereo Matching in Video Sequences. IEICE Transactions on Information and Systems, 2019, E102.D, 1183-1196.	0.4	3
20	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
21	Fine-grained 3D Face Reconstruction from a Single Image using Illumination Priors. , 2019, , .		1
22	Minimal Path based Particle Tracking in Low SNR Fluorescence Microscopy Images. , 2019, , .		2
23	Application of stationary wavelet entropy in pathological brain detection. Multimedia Tools and Applications, 2018, 77, 3701-3714.	2.6	73
24	Sparse Modeling of Nonlinear Secondary Path for Nonlinear Active Noise Control. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 482-496.	2.4	36
25	Host load prediction with long short-term memory in cloud computing. Journal of Supercomputing, 2018, 74, 6554-6568.	2.4	101
26	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
27	Multi-step-ahead Host Load Prediction with GRU Based Encoder-Decoder in Cloud Computing. , 2018, , .		21
28	Pathological Brain Detection via Wavelet Packet Tsallis Entropy and Real-Coded Biogeography-based Optimization. Fundamenta Informaticae, 2017, 151, 275-291.	0.3	62
29	Tea Category Identification using Computer Vision and Generalized Eigenvalue Proximal SVM. Fundamenta Informaticae, 2017, 151, 325-339.	0.3	27
30	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
31	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
32	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
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	Morphological analysis of dendrites and spines by hybridization of ridge detection with twin support vector machine. PeerJ, 2016, 4, e2207.	0.9	27
36	Efficient adaptive bilinear filters for nonlinear active noise control. , 2016, , .		1

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37	A novel frequency reversal transmission for cooperative networks with frequency offsets. , 2016, , .		0
38	Efficient inter‐carrier interference cancellation transmissions for cooperative networks with frequency offsets. IET Communications, 2016, 10, 2575-2581.	1.5	3
39	Adaptive even mirror Fourier filtered error LMS algorithm for multichannel nonlinear active noise control. , 2016, , .		0
40	A new method for quantifying mitochondrial axonal transport. Protein and Cell, 2016, 7, 804-819.	4.8	26
41	Higher-order class-specific priors for semantic segmentation of 3D outdoor scenes. , 2016, , .		1
42	Multi-objective path finding in stochastic networks using a biogeography-based optimization method. Simulation, 2016, 92, 637-647.	1.1	24
43	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
44	Leveraging Two Kinect Sensors for Accurate Full-Body Motion Capture. Sensors, 2015, 15, 24297-24317.	2.1	36
45	FUS Interacts with HSP60 to Promote Mitochondrial Damage. PLoS Genetics, 2015, 11, e1005357.	1.5	143
46	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
47	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
48	Learning human shape model from multiple databases with correspondence considering kinematic consensus. Visual Computer, 2015, 31, 19-33.	2.5	2
49	Fusion of Local Manifold Learning Methods. IEEE Signal Processing Letters, 2015, 22, 395-399.	2.1	9
50	A novel approach based on cluster-group for classification of 3D residential scene. , 2014, , .		0
51	Semantic Parametric Reshaping of Human Body Models. , 2014, , .		47
52	Improved digital breast tomosynthesis images using automated ultrasound. Medical Physics, 2014, 41, 061911.	1.6	4
53	Power allocation for orthogonal frequency division multiplexing‐based cognitive radio networks with cooperative relays. IET Communications, 2014, 8, 921-929.	1.5	8
54	Two-way cyclotomic orthogonal space-time transmission scheme for asynchronous cooperative systems. , 2014, , .		1

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55	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
56	A 3-D deconvolution based particle detection method for wide-field microscopy image. , 2014, , .		0
57	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
58	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
59	Full-Diversity Approximated Lattice Reduction Algorithm for Low-Complexity MIMO Detection. IEEE Communications Letters, 2014, 18, 1079-1082.	2.5	11
60	Distributed optimal cyclotomic space-time coding for full-duplex cooperative relay networks. , 2013, , .		5
61	Cost-Aware Dynamic Virtual Machine Purchase Plan Orchestrator for Multi-tier Cloud Applications. , 2013, , .		0
62	Cost-Aware Automatic Virtual Machine Scaling in Fine Granularity for Cloud Applications. , 2013, , .		1
63	Complex Korkine-Zolotareff Reduction Algorithm for Full-Diversity MIMO Detection. IEEE Communications Letters, 2013, 17, 381-384.	2.5	5
64	A novel design of multi-blocks light guide plate for dimming edge-type LED backlight. , 2013, , .		0
65	Host Load Prediction Based on PSR and EA-GMDH for Cloud Computing System. , 2013, , .		6
66	Semi-Supervised Nonparametric Discriminant Analysis. IEICE Transactions on Information and Systems, 2013, E96.D, 375-378.	0.4	3
67	A low complexity fast lattice reduction algorithm for MIMO detection. , 2012, , .		13
68	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
69	Super-Segments Based Classification of 3D Urban Street Scenes. International Journal of Advanced Robotic Systems, 2012, 9, 248.	1.3	25
70	Markerless Motion Capture of Human Body Using PSO with Single Depth Camera. , 2012, , .		4
71	AD-AODV: A Improved Routing Protocol Based on Network Mobility and Route Hops. , 2012, , .		6
72	Resource allocation for multiuser cognitive OFDM networks with proportional rate constraints. International Journal of Communication Systems, 2012, 25, 254-269.	1.6	44

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73	Resource allocation in OFDM-based multi-cell cognitive radio systems. , 2011, , .		4
74	Piano AR: A Markerless Augmented Reality Based Piano Teaching System. , 2011, , .		37
75	Fast genetic algorithm for bits allocation in OFDM based cognitive radio systems. , 2010, , .		1
76	Biometric Watermarking Based on Affine Parameters Estimation. , 2009, , .		5
77	Optimizations for ARM11 MPCore on Computational Capabilities and Interrupt Processing. , 2009, , .		1
78	Biometric Watermarking based on affine parameters estimation. , 2009, , .		0
79	Nonlinear short-term heart rate variability prediction of spontaneous ventricular tachyarrhythmia. Science Bulletin, 2008, 53, 2446-2453.	4.3	12
80	Evolutionary Particle Swarm Algorithm Based on Higher Order Cumulant Fitting for Blind Channel Identification. , 2008, , .		0
81	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
82	Theoretical Calculation of TAM and Correction of Topography. , 0, , .		0
83	Robust digital image watermarking method against RST attacks. , 0, , .		1
84	Rotation, scale and translation invariant image watermarking using radon transform and fourier transform. , 0, , .		6
85	Channel estimation using fast FBM algorithm for WCDMA. , 0, , .		0