Jun Wu

List of Publications by Year
in descending order

88 papers	1,168 citations	394286 19 h-index	454834 30 g-index
89 all docs	89 docs citations	89 times ranked	1306 citing authors

#	Article	IF	Citations
1	Selfâ€Powered and Interfaceâ€Independent Tactile Sensors Based on Bilayer Singleâ€Electrode Triboelectric Nanogenerators for Robotic Electronic Skin. Advanced Intelligent Systems, 2023, 5, 2100120.	3.3	17
2	Machine-learned, waterproof MXene fiber-based glove platform for underwater interactivities. Nano Energy, 2022, 91, 106650.	8.2	37
3	Robust and efficient cooperative spectrum sensing against probabilistic hard Byzantine attack. Transactions on Emerging Telecommunications Technologies, 2022, 33, e4414.	2.6	4
4	Quick cooperative spectrum sensing in cognitive unmanned aerial vehicles networks. Transactions on Emerging Telecommunications Technologies, 2022, 33, e4441.	2.6	4
5	Secure and efficient cooperative spectrum sensing under byzantine attack and imperfect reporting channel. Wireless Networks, 2022, 28, 367-380.	2.0	5
6	Performance analysis ofÂintra-frame cooperative spectrum sensing in cognitive UAV networks. Wireless Networks, 2022, 28, 1689-1701.	2.0	0
7	Engineering the Morphology and Component via Multistep Deposition of CsPbBr₃Films toward High Detectivity and Stable Selfâ€Powered Photodetectors. Advanced Materials Interfaces, 2022, 9, .	1.9	7
8	SPRT-based cooperative spectrum sensing with performance requirements in cognitive unmanned aerial vehicle networks (CUAVNs). Sequential Analysis, 2022, 41, 53-67.	0.2	1
9	Semi-supervised Learning-enabled Two-stage Framework for Cooperative Spectrum Sensing Against SSDF Attack. , 2022, , .		2
10	Low-cost, Light-weight Scalable Soft Data Glove for VR Applications. , 2022, , .		5
11	Utilization of byzantine attack in hard combining-based cooperative spectrum sensing. , 2021, , .		2
12	Optimisation of virtual cooperative spectrum sensing for UAVâ€based interweave cognitive radio system. IET Communications, 2021, 15, 1368-1379.	1.5	14
13	Cooperative Blind Spectrum Detection With Doolittle Decomposition and PCA-SVM Classification in Hybrid GEO-LEO Satellite Constellation Networks. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3209-3220.	2.6	4
14	Sequential single symbol differential voting for cooperative spectrum sensing in the presence of byzantine attack and imperfect reporting channels. , 2021, , .		0
15	Cost-benefit Analysis of Cooperative Spectrum Sensing Under Detection Delay Constraint for CUAVNs. , 2021, , .		4
16	Reliable Reporting Mechanism for Hard Combining-based Cooperative Spectrum Sensing. , 2021, , .		0
17	Optimal Utility of Cooperative Spectrum Sensing for CUAVNs. , 2021, , .		0
18	Efficient Byzantine Defense Algorithm for Cooperative Spectrum Sensing in Cognitive Radio Networks. Journal of Physics: Conference Series, 2021, 1952, 032051.	0.3	3

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19	Conductive Porous MXene for Bionic, Wearable, and Precise Gesture Motion Sensors. Research, 2021, 2021, 9861467.	2.8	18
20	Low-noise X-ray PIN photodiodes made of perovskite single crystals by solution-processed dopant incorporated epitaxial growth. Nano Energy, 2021, 89, 106311.	8.2	17
21	Waterproof Mechanically Robust Multifunctional Conformal Sensors for Underwater Interactive Humanâ€“Machine Interfaces. Advanced Intelligent Systems, 2021, 3, 2100056.	3.3	27
22	Transferred Laserâ€Scribed Grapheneâ€Based Durable and Permeable Strain Sensor. Advanced Materials Interfaces, 2021, 8, 2100625.	1.9	5
23	Photodiodes based on a MAPbBr₃/Bi³⁺-doped MAPbCl₃single crystals heterojunction for the X-ray detection. CrystEngComm, 2021, 23, 4954-4962.	1.3	10
24	Energy-efficient cooperative spectrum sensing over imperfect reporting channels with collision constraint. Physical Communication, 2021, 49, 101472.	1.2	2
25	Optimized Construction of Short and High Rate Protograph QC-LDPC Codes. , 2021, , .		0
26	Exploitation Analysis of Byzantine attack for Cooperative Spectrum Sensing. , 2021, , .		3
27	Cost-Benefit Tradeoff of Byzantine Attack in Cooperative Spectrum Sensing. IEEE Systems Journal, 2020, 14, 2532-2543.	2.9	18
28	Analysis of Byzantine Attack Strategy for Cooperative Spectrum Sensing. IEEE Communications Letters, 2020, 24, 1631-1635.	2.5	26
29	Super-Resolution Imaging with Direct Laser Writing-Printed Microstructures. Journal of Physical Chemistry A, 2020, 124, 7211-7216.	1.1	10
30	Innovation Strategy Selection Facilitates High-Performance Flexible Piezoelectric Sensors. Sensors, 2020, 20, 2820.	2.1	38
31	Solution-Processed Halide Perovskite Single Crystals with Intrinsic Compositional Gradients for X-ray Detection. Chemistry of Materials, 2020, 32, 4973-4983.	3.2	59
32	Performance optimisation of cooperative spectrum sensing in mobile cognitive radio networks. IET Communications, 2020, 14, 1028-1036.	1.5	17
33	Sequential fusion to defend against sensing data falsification attack for cognitive Internet of Things. ETRI Journal, 2020, 42, 976-986.	1.2	9
34	Reuse of Byzantine data in cooperative spectrum sensing using sequential detection. IET Communications, 2020, 14, 251-261.	1.5	9
35	Optimisation of virtual cooperative spectrum sensing for UAV-based interweave CR system. IET Communications, 2020, , .	1.5	3
36	Optimal Power Allocation for Green CR over Fading Channels with Rate Constraint. IEICE Transactions on Communications, 2020, E103.B, 1038-1048.	0.4	0

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37	Simultaneous Generation of Multiple Three-Dimensional Tractor Curve Beams. Nanoscale Research Letters, 2019, 14, 82.	3.1	0
38	Multi-Leaderâ€“Follower Game for MEC-Assisted Fusion-Based Vehicle On-Road Analysis. IEEE Transactions on Vehicular Technology, 2019, 68, 11200-11212.	3.9	7
39	Switchable Photonic Nanojet by Electro-Switching Nematic Liquid Crystals. Nanomaterials, 2019, 9, 72.	1.9	11
40	Tilted LCD Pixel With Liquid Crystal GRIN Lens for Two-Dimensional/Three-Dimensional Switchable Display. IEEE Photonics Journal, 2019, 11, 1-9.	1.0	3
41	Hybrid Computational Near-Eye Light Field Display. IEEE Photonics Journal, 2019, 11, 1-10.	1.0	17
42	Dynamically Tunable Light Absorbers as Color Filters Based on Electrowetting Technology. Nanomaterials, 2019, 9, 70.	1.9	3
43	Energy-Efficient Optimal Sensing and Resource Allocation of Soft Cooperative Spectrum Sensing in CRNs. , 2019, , .		3
44	Robust reputation management mechanism in cooperative spectrum sensing. Electronics Letters, 2019, 55, 1128-1130.	0.5	6
45	Distributed Downloading Strategy for Multi-Source Data Fusion in Edge-Enabled Vehicular Network : (Invited Paper). , 2019, , .		4
46	Simultaneous Generation of Complex Structured Curve Beam. Nanomaterials, 2019, 9, 87.	1.9	1
47	Investigation on the wetting issues in solution processed quantum dot light-emitting diodes with inverted tandem structure. Organic Electronics, 2019, 67, 116-121.	1.4	5
48	Sequential 0/1 for Cooperative Spectrum Sensing in the Presence of Strategic Byzantine Attack. IEEE Wireless Communications Letters, 2019, 8, 500-503.	3.2	30
49	Fabrication of Photodiodes Based on Solution-Processed Perovskite Single Crystals. IEEE Transactions on Electron Devices, 2019, 66, 485-490.	1.6	7
50	Influence of interfacial wetting ability on hole injection efficiency of PEDOT: PSS for solution processed normal quantum-dot light-emitting diodes. Organic Electronics, 2018, 58, 191-196.	1.4	8
51	Color-tunable light emission of SrLa4-x-ySi3O13:xTb3+, yEu3+ phosphors by energy transfer process for warm white LEDs. AIP Advances, 2018, 8, 015119.	0.6	4
52	Interfacial Energy-Level Alignment for High-Performance All-Inorganic Perovskite CsPbBr₃ Quantum Dot-Based Inverted Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 13236-13243.	4.0	44
53	Ionic occupation, structures, and microwave dielectric properties of Y₃MgAl₃SiO₁₂ garnetâ€type ceramics. Journal of the American Ceramic Society, 2018, 101, 244-251.	1.9	61
54	Energy-Efficient Cooperative Spectrum Sensing With Reporting Errors in Hybrid Spectrum Sharing CRNs. IEEE Access, 2018, 6, 48391-48402.	2.6	19

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55	Reputation Value Ranking Based Sequential Cooperative Spectrum Sensing against Byzantine Attack. , 2018, , .		6
56	Investigation on the wetting issues in solution processed inverted quantum-dot light-emitting diodes. Organic Electronics, 2018, 62, 434-440.	1.4	4
57	Ultrafast Ionizing Radiation Detection by pâ€“n Junctions Made with Single Crystals of Solutionâ€Processed Perovskite. Advanced Electronic Materials, 2018, 4, 1800237.	2.6	29
58	Cooperative Spectrum Sensing Algorithm Based on Support Vector Machine against SSDF Attack. , 2018, , .		17
59	Sequential cooperative spectrum sensing in the presence of dynamic Byzantine attack for mobile networks. PLoS ONE, 2018, 13, e0199546.	1.1	23
60	Generalized Byzantine Attack and Defense in Cooperative Spectrum Sensing for Cognitive Radio Networks. IEEE Access, 2018, 6, 53272-53286.	2.6	32
61	Energy-efficient cooperative spectrum sensing for hybrid spectrum sharing cognitive radio networks. , 2018, , .		9
62	Numerical study for the calculation of computer-generated hologram in color holographic 3D projection enabled by modified wavefront recording plane method. Optics Communications, 2017, 387, 267-274.	1.0	7
63	A novel Y3ZnAl3SiO12 microwave dielectric ceramic for microwave communication application as substrates. Journal of Materials Science: Materials in Electronics, 2017, 28, 16627-16632.	1.1	7
64	Self-organizing map-based scheme against probabilistic SSDF attack in cognitive radio networks. , 2017, , .		3
65	Two-Stage Credit Threshold on Cooperative Spectrum Sensing to Exclude Malicious Users in Mobile Cognitive Radio Networks. , 2017, , .		1
66	Robust Cooperative Spectrum Sensing against Probabilistic SSDF Attack in Cognitive Radio Networks. , 2017, , .		5
67	Noncooperative Spectrum Sensing with Historical Sensing Data Mining in Cognitive Radio. IEEE Transactions on Vehicular Technology, 2017, 66, 8863-8871.	3.9	13
68	Simple calculation of a computer-generated hologram for lensless holographic 3D projection using a nonuniform sampled wavefront recording plane. Applied Optics, 2016, 55, 7988.	2.1	28
69	Scaled diffraction calculation between tilted planes using nonuniform fast Fourier transform. Optics Express, 2014, 22, 17331.	1.7	28
70	Pinning mechanism of advancing sessile droplet on superhydrophobic surfaces. RSC Advances, 2014, 4, 35649-35652.	1.7	8
71	A Slip Enhanced Superhydrophobic Surface Based on Reticulated ZnO Nanostructure. Materials Transactions, 2014, 55, 194-197.	0.4	1
72	Superhydrophobic zinc oxide film: effect of hybrid nanostructure on hydrophobicity and wetting stability. Micro and Nano Letters, 2013, 8, 271-273.	0.6	5

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73	Advanced understanding of stickiness on superhydrophobic surfaces. Scientific Reports, 2013, 3, 3268.	1.6	29
74	Generation of the smallest coffee-ring structures by solute crystallization reaction on a hydrophobic surface. RSC Advances, 2013, 3, 5328.	1.7	11
75	A Brief Review on Bioinspired ZnO Superhydrophobic Surfaces: Theory, Synthesis, and Applications. Advances in Materials Science and Engineering, 2013, 2013, 1-10.	1.0	22
76	Wetting Transition on Micro/Nanostructured ZnO Layers. Journal of Adhesion Science and Technology, 2012, 26, 2099-2104.	1.4	2
77	Enhanced absorption of CdS quantum dots deposited onto ZnO nanorod by using bifunctional linker. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 19-21.	0.8	3
78	Photoelectrochemical properties of multiwall carbon nanotube assembled with CdSe quantum dots. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 59-61.	0.8	4
79	A hierarchical mesh film with superhydrophobic and superoleophilic properties for oil and water separation. Journal of Chemical Technology and Biotechnology, 2012, 87, 427-430.	1.6	82
80	A one-step method to fabricate lotus leaves-like ZnO film. Materials Letters, 2011, 65, 477-479.	1.3	37
81	Formation of hierarchical ZnO nanostructure on tinfoil substrate and the application on wetting repellency. Applied Physics A: Materials Science and Processing, 2011, 105, 221-224.	1.1	7
82	Facile Synthesis of Three-Dimensional ZnO Nanostructure: Realization of a Multifunctional Stable Superhydrophobic Surface. PLoS ONE, 2011, 6, e29047.	1.1	5
83	Electrowetting on ZnO nanowires. Applied Physics A: Materials Science and Processing, 2010, 99, 931-934.	1.1	19
84	Fabrication of superhydrophobic surfaces with double-scale roughness. Materials Letters, 2010, 64, 1251-1253.	1.3	52
85	A simple method to fabricate the different extents of superhydrophobic surfaces. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 1325-1328.	1.3	23
86	Electrowetting on a dielectric surface roughened with zinc oxide tetrapod nanocrystals. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 81-84.	1.3	7
87	Superhydrophobic Surface Based on a Coral-Like Hierarchical Structure of ZnO. PLoS ONE, 2010, 5, e14475.	1.1	24
88	Joint spectrum sensing and resource allocation against byzantine attack in overlay cognitive radio networks. Transactions on Emerging Telecommunications Technologies, 0, , .	2.6	2