

Hui Gao

List of Publications by Year in descending order

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docs citations

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#	ARTICLE	IF	CITATIONS
1	An ESPRIT-Based Approach for 2-D Localization of Incoherently Distributed Sources in Massive MIMO Systems. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2014, 8, 996-1011.	10.8	184
2	Synthesis, characterization and antioxidant activity of selenium polysaccharide from <i>Cordyceps militaris</i> . <i>International Journal of Biological Macromolecules</i> , 2016, 93, 1090-1099.	7.5	83
3	The preparation of three selenium-containing <i>Cordyceps militaris</i> polysaccharides: Characterization and anti-tumor activities. <i>International Journal of Biological Macromolecules</i> , 2017, 99, 196-204.	7.5	79
4	Artificial Intelligence-Based Semantic Internet of Things in a User-Centric Smart City. <i>Sensors</i> , 2018, 18, 1341.	3.8	74
5	Backstepping Design of Adaptive Neural Fault-Tolerant Control for MIMO Nonlinear Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 28, 2605-2613.	11.3	68
6	Conjugates of poly(dl-lactic acid) with ethylenediamino or diethylenetriamino bridged bis(β -cyclodextrin)s and their nanoparticles as protein delivery systems. <i>Journal of Controlled Release</i> , 2006, 112, 301-311.	9.9	64
7	Interactions of some modified mono- and bis- β -cyclodextrins with bovine serum albumin. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 131-137.	3.0	57
8	Femtosecond laser filament array generated with step phase plate in air. <i>Optics Express</i> , 2013, 21, 4612.	3.4	55
9	Amelioration of cardiac dysfunction and ventricular remodeling after myocardial infarction by danhong injection are critically contributed by anti-TGF- β -mediated fibrosis and angiogenesis mechanisms. <i>Journal of Ethnopharmacology</i> , 2016, 194, 559-570.	4.1	47
10	A nanoporous PtCuTi alloy with a low Pt content and greatly enhanced electrocatalytic performance towards methanol oxidation and oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14657-14668.	10.3	41
11	Conjugates of poly(DL-lactide-co-glycolide) on amino cyclodextrins and their nanoparticles as protein delivery system. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 111-122.	4.0	34
12	Programmable Weight Phased-Array Transmission for Secure Millimeter-Wave Wireless Communications. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2018, 12, 399-413.	10.8	29
13	A thermo-responsive polyurethane organogel for norfloxacin delivery. <i>Polymer Chemistry</i> , 2018, 9, 228-235.	3.9	28
14	Limited Feedback-Based Interference Alignment for Interfering Multi-Access Channels. <i>IEEE Communications Letters</i> , 2014, 18, 540-543.	4.1	26
15	Throughput Optimization for Cognitive UAV Networks: A Three-Dimensional-Location-Aware Approach. <i>IEEE Wireless Communications Letters</i> , 2020, , 1-1.	5.0	21
16	Electrochemical Regioselective Cross-Dehydrogenative Coupling of Indoles with Xanthenes. <i>Journal of Organic Chemistry</i> , 2022, 87, 1056-1064.	3.2	21
17	Position Prediction Based Fast Beam Tracking Scheme for Multi-User UAV-mmWave Communications. , 2019, , .		20
18	Understanding the boosted sodium storage behavior of a nanoporous bismuth-nickel anode using <i>in operando</i> X-ray diffraction and density functional theory calculations. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13602-13613.	10.3	20

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19	Electrically tunable two-dimensional holographic polymer-dispersed liquid crystal grating with variable period. <i>Optics Communications</i> , 2017, 392, 128-134.	2.1	17
20	Enhanced Proton Conductivity by Aliovalent Substitution of Cadmium for Indium in Dimethylammonium-Templated Metal Anilicates. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41605-41612.	8.0	17
21	A Simple Two-Stage Equalizer for OTFS With Rectangular Windows. <i>IEEE Communications Letters</i> , 2021, 25, 1158-1162.	4.1	17
22	Electrochemical benzylic C-H arylation of xanthenes and thioxanthenes without a catalyst and oxidant. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1911-1916.	4.5	17
23	Fixed Region Beamforming Using Frequency Diverse Subarray for Secure mmWave Wireless Communications. <i>IEEE Transactions on Information Forensics and Security</i> , 2020, 15, 2706-2721.	6.9	16
24	Low-Complexity Linear Equalization for OTFS Systems with Rectangular Waveforms. , 2021, , .		16
25	Position-Attitude Prediction Based Beam Tracking for UAV mmWave Communications. , 2019, , .		15
26	Efficient synthesis and activity of beneficial intestinal flora of two lactulose-derived oligosaccharides. <i>European Journal of Medicinal Chemistry</i> , 2016, 114, 8-13.	5.5	14
27	Electrochemical esterification reaction of alkynes with diols via cleavage of carbon-carbon triple bonds without catalyst and oxidant. <i>Green Chemistry</i> , 2020, 22, 6783-6791.	9.0	13
28	Engineering of microbial cells for L-valine production: challenges and opportunities. <i>Microbial Cell Factories</i> , 2021, 20, 172.	4.0	13
29	Single edge based belief propagation algorithms for MIMO detection. , 2011, , .		12
30	Benzo[a]pyrene decreased gap junctional intercellular communication via calcium/calmodulin signaling increases apoptosis in TM4 cells. <i>Journal of Applied Toxicology</i> , 2018, 38, 1091-1103.	2.8	12
31	OTFS Based Receiver Scheme with Multi-Antennas in High-Mobility V2X Systems. , 2020, , .		12
32	Numerical simulation of the generation of multiple laser filaments by an axicon array. <i>Journal of Modern Optics</i> , 2013, 60, 1637-1643.	1.3	10
33	Robust Beamforming and Jamming for Secure AF Relay Networks with Multiple Eavesdroppers. , 2014, , .		9
34	In Situ Aliovalent Nickel Substitution and Acidic Modification of Nanowalls Promoted Proton Conductivity in InOF with 1D Helical Channel. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38289-38295.	8.0	9
35	Joint uplink power and subchannel allocation in cognitive radio network. , 2012, , .		8
36	Infant 7-valent pneumococcal conjugate vaccine immunization alters young adulthood CD4+T cell subsets in allergic airway disease mouse model. <i>Vaccine</i> , 2014, 32, 2079-2085.	3.8	8

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37	Wide-viewing-angle switchable image splitter obtained using varied-line-spacing H-PDLC Bragg grating. <i>Liquid Crystals</i> , 2017, 44, 1365-1373.	2.2	8
38	Data-Driven Beam Management With Angular Domain Information for mmWave UAV Networks. <i>IEEE Transactions on Wireless Communications</i> , 2021, 20, 7040-7056.	9.2	8
39	The Sum-Rate Maximization Precoding for Multiuser MIMO SWIPT Systems. , 2015, , .		7
40	A comparison of PMT-based and CCD-based sensors for electrochemiluminescence detection of sunset yellow in soft drinks. <i>Food Chemistry</i> , 2021, 362, 130219.	8.2	7
41	Joint Subcarrier Assignment and Downlink-Uplink Time-Power Allocation for Wireless Powered OFDM-NOMA Systems. , 2018, , .		6
42	High-Resolution Channel Estimation for Intelligent Reflecting Surface-Assisted MmWave Communications. , 2020, , .		6
43	Joint Optimization for Mobile Edge Computing-Enabled Blockchain Systems: A Deep Reinforcement Learning Approach. <i>Sensors</i> , 2022, 22, 3217.	3.8	6
44	Enhanced Physical Layer Security for Ultra-Dense D2D Communications Underlying Cellular Networks with Full-Duplex Users. , 2017, , .		5
45	Reinforcement Learning Based Antenna Selection in User-Centric Massive MIMO. , 2020, , .		5
46	Study on the Effect of High-Temperature Heat Treatment on the Microscopic Pore Structure and Mechanical Properties of Tight Sandstone. <i>Geofluids</i> , 2021, 2021, 1-13.	0.7	5
47	Ethylenediamino bridged bis(β -cyclodextrin)/ poly(DL-lactide-co-glycolic acid) nanoparticles prepared by modified double emulsion method: Effect of polyvinyl alcohol on nanoparticle properties. <i>Journal of Applied Polymer Science</i> , 2008, 107, 571-576.	2.6	4
48	Alamouti-based Schemes for Full-Duplex Two-Way Relay Networks. , 2014, , .		4
49	TOA Estimation Using Checking Window for IR-UWB Energy Detection Receivers. , 2014, , .		4
50	On the performance of mode selection for hybrid-duplex D2D communications. , 2017, , .		4
51	Novel User Scheduling Algorithms for Carrier Aggregation System in Heterogeneous Network. , 2017, , .		4
52	Analysis of Caching and Transmitting Scalable Videos in Cache-Enabled Small Cell Networks. , 2017, , .		4
53	Deep Neural Network-Based Robust Spectrum Sensing: Exploiting Phase Difference Distribution. , 2021, , .		4
54	Differences in biomass and silica content in typical plant communities with ecotones in the Min River estuary of southeast China. <i>PeerJ</i> , 2019, 7, e7218.	2.0	4

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55	Asymmetric signal space alignment for multi-pair two-way relaying network. , 2014, , .		3
56	An Ultra-sensitive Electrochemiluminescent Detection of Carcinoembryonic Antigen Using a Hollowed-out Electrode. Electroanalysis, 2021, 33, 1444-1450.	2.9	3
57	Wireless Traffic Prediction with Series Fluctuation Pattern Clustering. , 2021, , .		3
58	Secure Beamforming Design in Wiretap MISO Interference Channels. , 2015, , .		2
59	Nonparametric belief propagation based cooperative localization: A minimum spanning tree approach. , 2015, , .		2
60	Inverted antenna subset transmission technique for secure millimeter-wave wireless communication. , 2017, , .		2
61	Dynamic Antenna Configuration for 3D Massive MIMO System via Deep Reinforcement Learning. , 2020, , .		2
62	Rebuttal to "Comments on "Fixed Region Beamforming Using Frequency Diverse Subarray for Secure MmWave Wireless Communications"™. IEEE Transactions on Information Forensics and Security, 2021, 16, 2854-2855.	6.9	2
63	Visualization analysis of lecithin in drugs based on electrochemiluminescent single gold microbeads. Journal of Pharmaceutical Analysis, 2021, 11, 515-522.	5.3	2
64	A Novel TPA Scheme for SVD-Assisted Multi-User MIMO Downlink with Imperfect CSI. , 2010, , .		1
65	Low-Complexity Multiuser MIMO Downlink User Selection Based on Large-Scale Fading. , 2014, , .		1
66	A More Accurate Outage Analysis for ZF-Based MIMO AF Two-Way Relaying by Order Statistics. , 2014, , .		1
67	Blind Channel Direction Separation Against Pilot Spoofing Attack in Massive MIMO System. , 2018, , .		1
68	Attack Detection for Massive MIMO Relay System. IEEE Systems Journal, 2021, , 1-12.	4.6	1
69	Dynamics and characteristics of biogenic silica and macro- and microelements in decomposing litter in the Min River estuary, southeast China. Elementa, 2021, 9, .	3.2	1
70	Vehicle Behavior-Cognition-Based Particle-Filter-Enabled mmWave Beam Tracking for Connected Automated Vehicles. IEEE Internet of Things Journal, 2022, 9, 21292-21304.	8.7	1
71	Dual Orthogonal Space-Time Coded Modulation and noncoherent detection for multiantenna Ultra-Wideband communications. , 2009, , .		0
72	Modeling Natural Gas Productivity Recovery from a Hydrate Reservoir Well. , 2010, , .		0

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73	A novel detection strategy based on ant colony optimization for MIMO systems. , 2011, , .		0
74	DSmT based scheduling algorithm in opportunistic beamforming systems. , 2011, , .		0
75	Cooperation spectrum sensing method based on adaptive threshold. , 2012, , .		0
76	Decision-feedback multiple symbol detection for differential space-time block coded UWB systems. Science China Information Sciences, 2013, 56, 1-10.	4.3	0
77	Blind Interference Neutralization in 3-Cell Interference Channel with Shared Relay. , 2014, , .		0
78	Tight Semidefinite Relaxation for Combinatorial Optimization in UWB Multiuser Detection Systems. , 2014, , .		0
79	Guaranteeing Information Transfer Integrity Through Two Non-Colluding Malicious Nodes Against i.i.d. Attacks. IEEE Transactions on Vehicular Technology, 2020, 69, 14099-14103.	6.3	0
80	Dynamics of biogenic silica accumulation and ecological characteristics in single-species communities and ecotones in Min River estuary, China. Chemosphere, 2021, 270, 128645.	8.2	0
81	Metronidazole Determination in Raw Milk with a Graphene Aerogel-Based Electrochemiluminescent Sensor and Its Effect on Cell Apoptosis. Food Analytical Methods, 2021, 14, 1415-1424.	2.6	0