

Wen Sun

List of Publications by Year in descending order

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112
papers

7,677
citations

53794

45
h-index

53230

85
g-index

112
all docs

112
docs citations

112
times ranked

8207
citing authors

#	ARTICLE	IF	CITATIONS
1	ISVSF: Intelligent Vulnerability Detection Against Java via Sentence-Level Pattern Exploring. IEEE Systems Journal, 2022, 16, 1032-1043.	4.6	5
2	Dynamic Digital Twin and Distributed Incentives for Resource Allocation in Aerial-Assisted Internet of Vehicles. IEEE Internet of Things Journal, 2022, 9, 5839-5852.	8.7	74
3	Dynamic Digital Twin and Federated Learning With Incentives for Air-Ground Networks. IEEE Transactions on Network Science and Engineering, 2022, 9, 321-333.	6.4	75
4	A Glutathione Activatable Photosensitizer for Combined Photodynamic and Gas Therapy under Red Light Irradiation. Advanced Healthcare Materials, 2022, 11, e2102017.	7.6	27
5	ER-Targeting Cyanine Dye as an NIR Photoinducer to Efficiently Trigger Photoimmunogenic Cancer Cell Death. Journal of the American Chemical Society, 2022, 144, 3477-3486.	13.7	73
6	A PEGylated water-soluble fluorescent and colorimetric probe for carbon monoxide detection. Analyst, The, 2022, 147, 1798-1802.	3.5	2
7	H-Aggregates of Prodrug-Hemicyanine Conjugate for Enhanced Photothermal Therapy and Sequential Hypoxia-Activated Chemotherapy. , 2022, 4, 724-732.		18
8	Tumor-microenvironment triggered signal-to-noise boosting nanoprobe for NIR-IIb fluorescence imaging guided tumor surgery and NIR-II photothermal therapy. Biomaterials, 2022, 287, 121636.	11.4	19
9	<i>In Vivo</i> Coinstantaneous Identification of Hepatocellular Carcinoma Circulating Tumor Cells by Dual-Targeting Magnetic-Fluorescent Nanobeads. Nano Letters, 2021, 21, 634-641.	9.1	34
10	Movement Aware CoMP Handover in Heterogeneous Ultra-Dense Networks. IEEE Transactions on Communications, 2021, 69, 340-352.	7.8	25
11	Photocleavable core cross-linked polymeric micelles of polypept(o)ides and ruthenium(^{II}) complexes. Journal of Materials Chemistry B, 2021, 9, 8211-8223.	5.8	14
12	New Cy5 photosensitizers for cancer phototherapy: a low singlet-triplet gap provides high quantum yield of singlet oxygen. Chemical Science, 2021, 12, 13809-13816.	7.4	19
13	<i>Ex vivo</i> identification of circulating tumor cells in peripheral blood by fluorometric aptamer nanoparticles. Chemical Science, 2021, 12, 3314-3321.	7.4	8
14	Single-Molecule Förster Resonance Energy Transfer-Based Photosensitizer for Synergistic Photodynamic/Photothermal Therapy. ACS Central Science, 2021, 7, 327-334.	11.3	49
15	Adaptive Federated Learning for Digital Twin Driven Industrial Internet of Things. , 2021, , .		24
16	Distributed Incentives and Digital Twin for Resource Allocation in air-assisted Internet of Vehicles. , 2021, , .		12
17	Red-Light-Responsive Ru Complex Photosensitizer for Lysosome Localization Photodynamic Therapy. ACS Applied Materials & Interfaces, 2021, 13, 19572-19580.	8.0	44
18	An Approach to Developing Cyanines with Simultaneous Intersystem Crossing Enhancement and Excited-State Lifetime Elongation for Photodynamic Antitumor Metastasis. Journal of the American Chemical Society, 2021, 143, 12345-12354.	13.7	80

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19	Photoresponsive metallopolymer nanoparticles for cancer theranostics. <i>Biomaterials</i> , 2021, 275, 120915.	11.4	28
20	Multi-Antenna Covert Communication via Full-Duplex Jamming Against a Warden With Uncertain Locations. <i>IEEE Transactions on Wireless Communications</i> , 2021, 20, 5467-5480.	9.2	26
21	Adaptive Federated Learning and Digital Twin for Industrial Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 5605-5614.	11.3	134
22	Internal and External Combined Nonradiative Decay-Based Nanoagents for Photoacoustic Image-Guided Highly Efficient Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 46353-46360.	8.0	16
23	Reversing Multidrug Resistance by Inducing Mitochondrial Dysfunction for Enhanced Chemo-Photodynamic Therapy in Tumor. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45259-45268.	8.0	22
24	Mobility Management for Blockchain-Based Ultra-Dense Edge Computing: A Deep Reinforcement Learning Approach. <i>IEEE Transactions on Wireless Communications</i> , 2021, 20, 7346-7359.	9.2	17
25	A color turn-on fluorescent probe for real-time detection of hydrogen sulfide and identification of food spoilage. <i>Chemical Communications</i> , 2021, 57, 5012-5015.	4.1	51
26	A highly active Cp*Ir complex with an anionic N,N-donor chelate ligand catalyzes the robust regeneration of NADH under physiological conditions. <i>Catalysis Science and Technology</i> , 2021, 11, 7982-7991.	4.1	7
27	Social-Aware Incentive Mechanisms for D2D Resource Sharing in IIoT. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 5517-5526.	11.3	47
28	Sequential Enzyme Activation of a Prostate-Specific Antigen-Based Nanomedicine to Target Tumor Mitochondria. <i>Advanced Functional Materials</i> , 2020, 30, 1904697.	14.9	19
29	Oxygen-Dependent Regulation of Excited-State Deactivation Process of Rational Photosensitizer for Smart Phototherapy. <i>Journal of the American Chemical Society</i> , 2020, 142, 1510-1517.	13.7	167
30	Red Light-Triggered Polyethylene Glycol Deshielding from Photolabile Cyanine-Modified Mesoporous Silica Nanoparticles for On-Demand Drug Release. <i>ACS Applied Bio Materials</i> , 2020, 3, 8084-8093.	4.6	11
31	Synergistic Anticancer Therapy by Ovalbumin Encapsulation Enabled Tandem Reactive Oxygen Species Generation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20008-20016.	13.8	48
32	Synergistic Anticancer Therapy by Ovalbumin Encapsulation Enabled Tandem Reactive Oxygen Species Generation. <i>Angewandte Chemie</i> , 2020, 132, 20183-20191.	2.0	4
33	Reducing Offloading Latency for Digital Twin Edge Networks in 6G. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 12240-12251.	6.3	160
34	The Self-Assembly of a Cyclometalated Palladium Photosensitizer into Protein-Stabilized Nanorods Triggers Drug Uptake In Vitro and In Vivo. <i>Journal of the American Chemical Society</i> , 2020, 142, 10383-10399.	13.7	43
35	Ultrasound-degradable serum albumin nanoplatform for <i>in situ</i> controlled drug release. <i>Chemical Communications</i> , 2020, 56, 7503-7506.	4.1	4
36	Joint Resource Allocation and Incentive Design for Blockchain-Based Mobile Edge Computing. <i>IEEE Transactions on Wireless Communications</i> , 2020, 19, 6050-6064.	9.2	71

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37	Aminopeptidase N Activatable Fluorescent Probe for Tracking Metastatic Cancer and Image-Guided Surgery via <i>in Situ</i> Spraying. <i>Journal of the American Chemical Society</i> , 2020, 142, 6381-6389.	13.7	187
38	Invisible Inks for Secrecy and Anticounterfeiting: From Single to Double-encryption by Hydrochromic Molecules. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8952-8960.	8.0	87
39	NIR Light-Driven Barrier-Free Group Rotation in Nanoparticles with an 88.3% Photothermal Conversion Efficiency for Photothermal Therapy. <i>Advanced Materials</i> , 2020, 32, e1907855.	21.0	422
40	Physical Layer Security for Edge Caching in 6G Networks. , 2020, , .		8
41	Physical Layer Security in Large-Scale Probabilistic Caching: Analysis and Optimization. <i>IEEE Communications Letters</i> , 2019, 23, 1484-1487.	4.1	21
42	An Optimized Spatially Cooperative Caching Strategy for Heterogeneous Caching Network. , 2019, , .		2
43	Spatially Cooperative Caching and Optimization for Heterogeneous Network. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 11260-11270.	6.3	21
44	Multi-Task Cross-Server Double Auction for Resource Allocation in Mobile Edge Computing. , 2019, , .		14
45	Mitochondria-Anchored Colorimetric and Ratiometric Fluorescent Chemosensor for Visualizing Cysteine/Homocysteine in Living Cells and <i>Daphnia magna</i> Model. <i>Analytical Chemistry</i> , 2019, 91, 12531-12537.	6.5	66
46	Activity-Based Sensing and Theranostic Probes Based on Photoinduced Electron Transfer. <i>Accounts of Chemical Research</i> , 2019, 52, 2818-2831.	15.6	202
47	Development of a novel anti-tumor theranostic platform: a near-infrared molecular upconversion sensitizer for deep-seated cancer photodynamic therapy. <i>Chemical Science</i> , 2019, 10, 10106-10112.	7.4	79
48	Low-cost mussel inspired poly(Catechol/Polyamine) modified magnetic nanoparticles as a versatile platform for enhanced activity of immobilized enzyme. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 814-824.	7.5	41
49	NIR-excited superoxide radical procreators to eradicate tumors by targeting the lyso-membrane. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4440-4450.	5.8	18
50	A nitroxyl-responsive near-infrared fluorescent chemosensor for visualizing H ₂ S/NO crosstalk in biological systems. <i>Chemical Communications</i> , 2019, 55, 8583-8586.	4.1	37
51	Stochastic Geometric Analysis of Multiple Unmanned Aerial Vehicle-Assisted Communications Over Internet of Things. <i>IEEE Internet of Things Journal</i> , 2019, 6, 5446-5460.	8.7	32
52	Boron Dipyrromethene Nano-Photosensitizers for Anticancer Phototherapies. <i>Small</i> , 2019, 15, e1804927.	10.0	135
53	Ai-Enhanced Incentive Design for Crowdsourcing in Internet of Vehicles. , 2019, , .		4
54	A novel Mn-Cu bimetallic complex for enhanced chemodynamic therapy with simultaneous glutathione depletion. <i>Chemical Communications</i> , 2019, 55, 12956-12959.	4.1	75

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55	AI-Enhanced Offloading in Edge Computing: When Machine Learning Meets Industrial IoT. IEEE Network, 2019, 33, 68-74.	6.9	141
56	An Attribute-Based Distributed Access Control for Blockchain-enabled IoT. , 2019, , .		13
57	“Off-on” switching of intracellular singlet oxygen release under biocompatible conditions. Chemical Communications, 2019, 55, 13808-13811.	4.1	21
58	Hypoxia-activated NIR photosensitizer anchoring in the mitochondria for photodynamic therapy. Chemical Science, 2019, 10, 10586-10594.	7.4	151
59	A self-targeting and controllable drug delivery system constituting mesoporous silica nanoparticles fabricated with a multi-stimuli responsive chitosan-based thin film layer. International Journal of Biological Macromolecules, 2019, 122, 1090-1099.	7.5	61
60	Smartphone Sensing Meets Transport Data: A Collaborative Framework for Transportation Service Analytics. IEEE Transactions on Mobile Computing, 2018, 17, 945-960.	5.8	17
61	Optimal Placement of Cloudlets for Access Delay Minimization in SDN-Based Internet of Things Networks. IEEE Internet of Things Journal, 2018, 5, 1334-1344.	8.7	91
62	Biodegradable Drug-Loaded Hydroxyapatite Nanotherapeutic Agent for Targeted Drug Release in Tumors. ACS Applied Materials & Interfaces, 2018, 10, 7832-7840.	8.0	99
63	pH-responsive nanoreservoirs based on hyaluronic acid end-capped mesoporous silica nanoparticles for targeted drug delivery. International Journal of Biological Macromolecules, 2018, 111, 1106-1115.	7.5	62
64	Joint Placement of Controllers and Gateways in SDN-Enabled 5G-Satellite Integrated Network. IEEE Journal on Selected Areas in Communications, 2018, 36, 221-232.	14.0	134
65	Coordinated Multipoint-Based Uplink Transmission in Internet of Things Powered by Energy Harvesting. IEEE Internet of Things Journal, 2018, 5, 2585-2595.	8.7	35
66	Rational design of curcumin loaded multifunctional mesoporous silica nanoparticles to enhance the cytotoxicity for targeted and controlled drug release. Materials Science and Engineering C, 2018, 85, 88-96.	7.3	54
67	Photoresponsive ruthenium-containing polymers: potential polymeric metallodrugs for anticancer phototherapy. Dalton Transactions, 2018, 47, 283-286.	3.3	19
68	Energy-Efficient Task Offloading and Transmit Power Allocation for Ultra-Dense Edge Computing. , 2018, , .		19
69	Inter-BSN Interference Investigation for Body Sensor Networks. , 2018, , .		1
70	2-to- ∞ Coordinated Multipoint-Based Uplink Transmission in Ultra-Dense Cellular Networks. IEEE Transactions on Wireless Communications, 2018, 17, 8342-8356.	9.2	29
71	Analyzing Hit Probability of Spatial Correlated Caching for Heterogeneous Mobile Edge Computing. , 2018, , .		2
72	A Double Auction-Based Approach for Multi-User Resource Allocation in Mobile Edge Computing. , 2018, , .		8

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73	A Stochastic Geometry Analysis of CoMP-Based Uplink in Ultra-Dense Cellular Networks. , 2018, , .		3
74	Mobile-Edge Computation Offloading for Ultradense IoT Networks. IEEE Internet of Things Journal, 2018, 5, 4977-4988.	8.7	238
75	Functional polymeric dialdehyde dextrin network capped mesoporous silica nanoparticles for pH/GSH dual-controlled drug release. RSC Advances, 2018, 8, 20862-20871.	3.6	16
76	P-Doped carbons derived from cellulose as highly efficient metal-free catalysts for aerobic oxidation of benzyl alcohol in water under an air atmosphere. Chemical Communications, 2018, 54, 8991-8994.	4.1	29
77	Double Auction-Based Resource Allocation for Mobile Edge Computing in Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2018, 14, 4692-4701.	11.3	169
78	Redâ€Lightâ€Controlled Release of Drugâ€Ru Complex Conjugates from Metallopolymer Micelles for Phototherapy in Hypoxic Tumor Environments. Advanced Functional Materials, 2018, 28, 1804227.	14.9	82
79	Novel surfactant peptide for removal of biofilms. Colloids and Surfaces B: Biointerfaces, 2018, 172, 180-186.	5.0	21
80	Spacer arm-facilitated tethering of laccase on magnetic polydopamine nanoparticles for efficient biocatalytic water treatment. Chemical Engineering Journal, 2018, 350, 949-959.	12.7	69
81	An Amphiphilic Ruthenium Polymetallodrug for Combined Photodynamic Therapy and Photochemotherapy In Vivo. Advanced Materials, 2017, 29, 1603702.	21.0	218
82	Photoactivation of Anticancer Ru Complexes in Deep Tissue: How Deep Can We Go?. Chemistry - A European Journal, 2017, 23, 10832-10837.	3.3	63
83	Congestion-Aware Communication Paradigm for Sustainable Dense Mobile Crowdsensing. , 2017, 55, 62-67.		15
84	In-Vehicle Network Attacks and Countermeasures: Challenges and Future Directions. IEEE Network, 2017, 31, 50-58.	6.9	169
85	When Smart Wearables Meet Intelligent Vehicles: Challenges and Future Directions. IEEE Wireless Communications, 2017, 24, 58-65.	9.0	93
86	On Physical Layer Security in Finite-Area Wireless Networks: An Analysis Framework. , 2017, , .		4
87	Optimal Placement of Virtual Machines in Mobile Edge Computing. , 2017, , .		25
88	Smart Attacks against Intelligent Wearables in People-Centric Internet of Things. , 2016, 54, 44-49.		62
89	A Spatio-temporal incentive scheme with consumer demand awareness for participatory sensing. Computer Networks, 2016, 108, 148-159.	5.1	8
90	Rutheniumâ€Containing Block Copolymer Assemblies:â€Redâ€Lightâ€Responsive Metallopolymers with Tunable Nanostructures for Enhanced Cellular Uptake and Anticancer Phototherapy. Advanced Healthcare Materials, 2016, 5, 467-473.	7.6	87

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91	Recent Development of Chemosensors Based on Cyanine Platforms. <i>Chemical Reviews</i> , 2016, 116, 7768-7817.	47.7	825
92	An Analysis Framework for Interuser Interference in IEEE 802.15.6 Body Sensor Networks: A Stochastic Geometry Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2016, 65, 8567-8577.	6.3	23
93	An information-driven incentive scheme with consumer demand awareness for participatory sensing. , 2015, , .		7
94	Performance Evaluation of Wearable Sensor Systems: A Case Study in Moderate-Scale Deployment in Hospital Environment. <i>Sensors</i> , 2015, 15, 24977-24995.	3.8	3
95	A spatio-temporal incentive scheme with consumer demand awareness for participatory sensing. , 2015, , .		2
96	A stochastic geometry analysis of inter-user interference in IEEE 802.15.6 body sensor networks. , 2015, , .		5
97	Wireless deployed and participatory sensing system for environmental monitoring. , 2014, , .		13
98	Fluorescence imaging lysosomal changes during cell division and apoptosis observed using Nile Blue based near-infrared emission. <i>Chemical Communications</i> , 2014, 50, 882-884.	4.1	47
99	A near-infrared fluorescent probe for selective detection of HClO based on Se-sensitized aggregation of heptamethine cyanine dye. <i>Chemical Communications</i> , 2014, 50, 1018-1020.	4.1	202
100	A fluorescent probe for site I binding and sensitive discrimination of HSA from BSA. <i>Chemical Communications</i> , 2014, 50, 9573-9576.	4.1	126
101	A Ratiometric Near-Infrared Fluorescent Probe for Hydrazine and Its <i>in Vivo</i> Applications. <i>Organic Letters</i> , 2013, 15, 4022-4025.	4.6	204
102	A highly specific BODIPY-based probe localized in mitochondria for HClO imaging. <i>Analyst, The</i> , 2013, 138, 6091.	3.5	164
103	A lightweight distributed scheme for mitigating inter-user interference in body sensor networks. <i>Computer Networks</i> , 2013, 57, 3885-3896.	5.1	8
104	A two-photon fluorescent probe with near-infrared emission for hydrogen sulfide imaging in biosystems. <i>Chemical Communications</i> , 2013, 49, 3890.	4.1	295
105	Construction of Longâ€Wavelength Fluorescein Analogues and Their Application as Fluorescent Probes. <i>Chemistry - A European Journal</i> , 2013, 19, 6538-6545.	3.3	65
106	A Fluorescent Ratiometric Chemodosimeter for Cu ²⁺ Based on TBET and Its Application in Living Cells. <i>Organic Letters</i> , 2013, 15, 492-495.	4.6	154
107	An Optimized Handover Scheme with Movement Trend Awareness for Body Sensor Networks. <i>Sensors</i> , 2013, 13, 7308-7322.	3.8	2
108	Mechanism and Nature of the Different Viscosity Sensitivities of Hemicyanine Dyes with Various Heterocycles. <i>ChemPhysChem</i> , 2013, 14, 1601-1608.	2.1	23

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109	The nature of the different environmental sensitivity of symmetrical and unsymmetrical cyanine dyes: an experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13702.	2.8	34
110	Inter-user interference in Body Sensor Networks: A case study in moderate-scale deployment in hospital environment. , 2012, , .		4
111	A lightweight inter-user interference mitigation method in Body Sensor Networks. , 2012, , .		9
112	An ICT-based ratiometric probe for hydrazine and its application in live cells. <i>Chemical Communications</i> , 2012, 48, 8117.	4.1	206