

# Hui Peng

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

2,301  
citations

218677

26  
h-index

233421

45  
g-index

82  
all docs

82  
docs citations

82  
times ranked

3226  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-efficiency synthesis of Cu superfine particles via reducing cuprous and cupric oxides with monoethanolamine and their antimicrobial potentials. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 749-757.	9.4	2
2	Chlorogenic acid: Potential source of natural drugs for the therapeutics of fibrosis and cancer. <i>Translational Oncology</i> , 2022, 15, 101294.	3.7	44
3	Prediction of estuarine water quality using interpretable machine learning approach. <i>Journal of Hydrology</i> , 2022, 605, 127320.	5.4	65
4	(C <sub>16</sub> H <sub>28</sub> N) <sub>2</sub> SbCl <sub>5</sub> : A new lead-free zero-dimensional metal-halide hybrid with bright orange emission. <i>Science China Materials</i> , 2022, 65, 1594-1600.	6.3	53
5	Effects of Electron-Phonon Coupling and Spin-Spin Coupling on the Photoluminescence of Low-Dimensional Metal Halides. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1752-1764.	4.6	34
6	Pure White Emission with 91.9% Photoluminescence Quantum Yield of [(C <sub>3</sub> H <sub>7</sub> ) <sub>4</sub> N] <sub>2</sub> Cu <sub>2</sub> I <sub>4</sub> out of Polaronic States and Ultra-High Color Rendering Index. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 12395-12403.	8.0	47
7	Ultralow-Power Machine Vision with Self-Powered Sensor Reservoir. <i>Advanced Science</i> , 2022, 9, e2106092.	11.2	68
8	Analysis of urea nitrogen leaching under high-intensity rainfall using HYDRUS-1D. <i>Journal of Environmental Management</i> , 2022, 312, 114900.	7.8	16
9	Highly Luminescent Copper(I) Halide Phosphors Encapsulated in Fumed Silica for Anti-Counterfeiting and Color-Converting Applications. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	12
10	Highly Efficient Broadband Green Emission of (TPA) <sub>2</sub> CuCl <sub>2</sub> Single Crystals: Understanding the Formation of Self-Trapped States. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8545-8552.	3.1	18
11	Analysis of runoff generation driving factors based on hydrological model and interpretable machine learning method. <i>Journal of Hydrology: Regional Studies</i> , 2022, 42, 101139.	2.4	13
12	Traditional Chinese medicine combined with pulmonary drug delivery system and idiopathic pulmonary fibrosis: Rationale and therapeutic potential. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 111072.	5.6	77
13	Ferroelectric Synaptic Transistor Network for Associative Memory. <i>Advanced Electronic Materials</i> , 2021, 7, 2001276.	5.1	52
14	Highly Efficient Cool-White Photoluminescence of (Gua) <sub>3</sub> Cu <sub>2</sub> I <sub>5</sub> Single Crystals: Formation and Optical Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 13443-13451.	8.0	63
15	Highly Stable Waterborne Luminescent Inks Based on MAPbBr <sub>3</sub> @PbBr(OH) Nanocrystals for LEDs and Anticounterfeit Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 20622-20632.	8.0	42
16	Preparation of $\hat{I}\pm$ -Co(OH) <sub>2</sub> @MWCNTs-COOH nanocomposites and their application for supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 13941-13947.	2.2	2
17	FGFR leads to sustained activation of STAT3 to mediate resistance to EGFR-TKIs treatment. <i>Investigational New Drugs</i> , 2021, 39, 1201-1212.	2.6	9
18	Amorphous ZrO <sub>2</sub> Tunnel Junction Memristor With a Tunneling Electroresistance Ratio Above 400. <i>IEEE Electron Device Letters</i> , 2021, 42, 696-699.	3.9	6

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19	Topographic controls on ecosystem evapotranspiration and net primary productivity under climate warming in the Taihang Mountains, China. <i>Journal of Hydrology</i> , 2020, 581, 124394.	5.4	17
20	Assessment of the hydrodynamics role for groundwater quality using an integration of GIS, water quality index and multivariate statistical techniques. <i>Journal of Environmental Management</i> , 2020, 273, 111185.	7.8	31
21	The Regional Hydro-Ecological Simulation System for 30 Years: A Systematic Review. <i>Water (Switzerland)</i> , 2020, 12, 2878.	2.7	8
22	History of uses, phytochemistry, pharmacological activities, quality control and toxicity of the root of <i>Stephania tetrandra</i> S. Moore: A review. <i>Journal of Ethnopharmacology</i> , 2020, 260, 112995.	4.1	21
23	High-stability fluorescent perovskites embedded in PbBrOH triggered by imidazole derivatives in water. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5594-5599.	5.5	24
24	The relationship between MUC5B promoter, TERT polymorphisms and telomere lengths with radiographic extent and survival in a Chinese IPF cohort. <i>Scientific Reports</i> , 2019, 9, 15307.	3.3	13
25	Facile Synthesis of 3d Transition-Metal-Doped $\text{Zn-Co(OH)}_2$ Nanomaterials in Water-Methanol Mediated with Ammonia for Oxygen Evolution Reaction. <i>ACS Omega</i> , 2019, 4, 16612-16618.	3.5	33
26	Vertical zonality of the water cycle and the impact of land-use change on runoff in the Qingshui River Basin of Wutai Mountain, China. <i>Hydrological Sciences Journal</i> , 2019, 64, 2080-2092.	2.6	5
27	Single-Composition White Light Emission from $\text{Dy}^{3+}$ Doped $\text{Sr}_2\text{CaWO}_6$ . <i>Materials</i> , 2019, 12, 431.	2.9	20
28	Static phase transfer catalysis for Williamson reactions: Pickering interfacial catalysis. <i>Catalysis Science and Technology</i> , 2019, 9, 3445-3453.	4.1	7
29	Hydrogenation Dynamics of Electrically Controlled Metal-Insulator Transition in Proton-Gated Transparent and Flexible $\text{WO}_3$ Transistors. <i>Advanced Functional Materials</i> , 2019, 29, 1902497.	14.9	21
30	$\text{H}_2\text{O}_2$ decomposition catalyzed by strontium cobaltites and their application in Rhodamine B degradation in aqueous medium. <i>Journal of Materials Science</i> , 2019, 54, 8216-8225.	3.7	7
31	A New Risk Assessment System Based on Set Pair Analysis Variable Fuzzy Sets for Underground Reservoirs. <i>Water Resources Management</i> , 2019, 33, 4997-5014.	3.9	13
32	A new method of the relative membership degree calculation in variable fuzzy sets for water quality assessment. <i>Ecological Indicators</i> , 2019, 98, 515-522.	6.3	20
33	A Robust Artificial Synapse Based on Organic Ferroelectric Polymer. <i>Advanced Electronic Materials</i> , 2019, 5, 1800600.	5.1	129
34	Ferroelectric Synapses: A Robust Artificial Synapse Based on Organic Ferroelectric Polymer (Adv.) <i>Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 I</i>	5.1	3
35	Short-term prediction of groundwater level using improved random forest regression with a combination of random features. <i>Applied Water Science</i> , 2018, 8, 1.	5.6	53
36	Stretchable and self-healable organometal halide perovskite nanocrystal-embedded polymer gels with enhanced luminescence stability. <i>Nanophotonics</i> , 2018, 7, 1949-1958.	6.0	27

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37	Size-controlled synthesis of hierarchical bismuth selenide nanoflowers and their photocatalytic performance in the presence of H <sub>2</sub> O <sub>2</sub> . <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	10
38	Luminescent Nanofluids of Organometal Halide Perovskite Nanocrystals in Silicone Oils with Ultrastability. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 27244-27251.	8.0	11
39	Tumor-penetrating Peptide Conjugated and Doxorubicin Loaded T <sub>1</sub> -T <sub>2</sub> Dual Mode MRI Contrast Agents Nanoparticles for Tumor Theranostics. <i>Theranostics</i> , 2018, 8, 92-108.	10.0	69
40	Comprehensive analysis of a novel lncRNA profile reveals potential prognostic biomarkers in clear cell renal cell carcinoma. <i>Oncology Reports</i> , 2018, 40, 1503-1514.	2.6	13
41	Formation and dispersion of organometal halide perovskite nanocrystals in various solvents. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 575-581.	9.4	12
42	High-performance supercapacitor electrode based on a nanocomposite of polyaniline and chemically exfoliated MoS <sub>2</sub> nanosheets. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2071-2077.	2.5	18
43	Differential expression profiles of microRNAs as potential biomarkers for the early diagnosis of lung cancer. <i>Oncology Reports</i> , 2017, 37, 3543-3553.	2.6	51
44	Aggregation induced red shift emission of phosphorus doped carbon dots. <i>RSC Advances</i> , 2017, 7, 32225-32228.	3.6	113
45	Effect of counter anions on ferroelectric properties of diisopropylammonium <sup>+</sup> based molecular crystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1700029.	1.8	15
46	Electric field control of magnetism in nickel with coaxial cylinder structure at room temperature by electric double layer gating. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10609-10614.	5.5	3
47	Organometal halide perovskite nanocrystals embedded in silicone resins with bright luminescence and ultrastability. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12044-12049.	5.5	36
48	Transparent PVDF/PTFE/Graphene Oxide Ultrathin Films with Enhanced Energy Harvesting Performance. <i>ChemistrySelect</i> , 2017, 2, 7951-7955.	1.5	14
49	Synthesis, Structure and Properties of Formamidinium-templated Metal Formate Crystals. <i>Crystal Research and Technology</i> , 2017, 52, 1700195.	1.3	3
50	A chickpea NAC-type transcription factor, CarNAC6, confers enhanced dehydration tolerance in Arabidopsis. <i>Plant Molecular Biology Reporter</i> , 2017, 35, 83-96.	1.8	7
51	Dysregulated lncRNA-UCA1 contributes to the progression of gastric cancer through regulation of the PI3K-Akt-mTOR signaling pathway. <i>Oncotarget</i> , 2017, 8, 93476-93491.	1.8	57
52	Multiresponsive Behavior of Functional Poly(p-phenylene vinylene)s in Water. <i>Polymers</i> , 2016, 8, 365.	4.5	6
53	Evaluating the ecohydrologic impacts of reforestation in the Loess Plateau, China, using an ecohydrologic model. <i>Ecohydrology</i> , 2016, 9, 498-513.	2.4	13
54	A glassy carbon electrode modified with MoS <sub>2</sub> nanosheets and poly(3,4-ethylenedioxythiophene) for simultaneous electrochemical detection of ascorbic acid, dopamine and uric acid. <i>Mikrochimica Acta</i> , 2016, 183, 2517-2523.	5.0	104

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55	DPListCF: A differentially private approach for listwise collaborative filtering. , 2016, , .		0
56	Analysis of numerical simulations and influencing factors of seasonal manganese pollution in reservoirs. Environmental Science and Pollution Research, 2016, 23, 14362-14372.	5.3	13
57	An efficient indenyl-derived phosphine ligand for the Suzuki–Miyaura coupling of sterically hindered aryl halides. Organic and Biomolecular Chemistry, 2016, 14, 4664-4668.	2.8	14
58	One-pot aqueous synthesis of gadolinium doped CdTe quantum dots with dual imaging modalities. Talanta, 2016, 155, 14-20.	5.5	21
59	Differentially private density estimation via Gaussian mixtures model. , 2016, , .		3
60	Integrated analysis of long non-coding RNA-associated ceRNA network reveals potential lncRNA biomarkers in human lung adenocarcinoma. International Journal of Oncology, 2016, 49, 2023-2036.	3.3	115
61	CarNAC4, a NAC-type chickpea transcription factor conferring enhanced drought and salt stress tolerances in Arabidopsis. Plant Cell Reports, 2016, 35, 613-627.	5.6	91
62	Integrated analysis of long non-coding RNA competing interactions reveals the potential role in progression of human gastric cancer. International Journal of Oncology, 2016, 48, 1965-1976.	3.3	110
63	An Eco-Hydrological Model-Based Assessment of the Impacts of Soil and Water Conservation Management in the Jinghe River Basin, China. Water (Switzerland), 2015, 7, 6301-6320.	2.7	19
64	A new 2D graphical representation of protein sequence and its application. International Journal of Biomathematics, 2015, 08, 1550063.	2.9	0
65	Facile preparation of rare-earth semiconductor nanocrystals and tuning of their dimensionalities. RSC Advances, 2015, 5, 86885-86890.	3.6	4
66	Characterization of Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> /Gd <sub>2</sub> O(CO <sub>3</sub> ) <sub>2</sub> core/shell/shell nanoparticles as T1 and T2 dual mode MRI contrast agent. Talanta, 2015, 131, 661-665.	5.5	60
67	Self-Assembly of Methyl Substituted Polyaniline Hollow Nanospheres in a Polyelectrolyte Solution. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 602-608.	3.4	7
68	ADLD: A Novel Graphical Representation of Protein Sequences and Its Application. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-15.	1.3	7
69	Achieving efficient and secure range query in two-tiered wireless sensor networks. , 2014, , .		5
70	Design and synthesis of pyromellitic diimide-based donor-acceptor conjugated polymers for photovoltaic application. Polymers for Advanced Technologies, 2014, 25, 809-815.	3.2	1
71	A general catalyst for Suzuki–Miyaura and Sonogashira reactions of aryl and heteroaryl chlorides in water. Organic and Biomolecular Chemistry, 2014, 12, 6944-6952.	2.8	25
72	Indolo[3,2,1-jk]carbazole Derivatives-Sensitized Solar Cells: Effect of ĩ-Bridges on the Performance of Cells. Journal of Physical Chemistry C, 2014, 118, 14211-14217.	3.1	41

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73	Luminescent carbon nanoparticles as a donor for the FRET-based detection of oligonucleotide hybridization. RSC Advances, 2014, 4, 25201-25204.	3.6	3
74	Polyanion modulated evolution of perovskite BiFeO <sub>3</sub> microspheres to microcubes by a microwave assisted hydrothermal method. Journal of Materials Research, 2013, 28, 1498-1504.	2.6	4
75	The sensitivity of forest water use to the timing of precipitation and snowmelt recharge in the California Sierra: Implications for a warming climate. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 875-887.	3.0	73
76	Molecular Cloning and Characterisation of Genes Coding for Glycine- and Proline-Rich Proteins (GPRPs) in Soybean. Plant Molecular Biology Reporter, 2012, 30, 566-577.	1.8	23
77	Switch on or switch off: An optical DNA sensor based on poly(p-phenylenevinylene) grafted magnetic beads. Biosensors and Bioelectronics, 2012, 35, 498-502.	10.1	24
78	Application of Modified Streeter-Phelps Model and COD Changing Model to Xiangxi River in Three Gorges Reservoir Area. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	1
79	New Approaches to Obtain Reliable Slope Mechanical Parameters under Condition of Limited Samples and Monitored Data. , 2010, , .		0
80	Assessing water renewal of the northern coastal zone in China using a variable fuzzy pattern recognition model. Journal of Hydroinformatics, 2010, 12, 339-350.	2.4	4
81	Contact force within electrospun nanofiber core-spun yarns and moisture management ability of their fabrics. Journal of the Textile Institute, 0, , 1-13.	1.9	3