

Hui-Qing Peng

List of Publications by Year in descending order

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35
papers

2,949
citations

218677

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395702

33
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36
all docs

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docs citations

36
times ranked

4374
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological Applications of Supramolecular Assemblies Designed for Excitation Energy Transfer. <i>Chemical Reviews</i> , 2015, 115, 7502-7542.	47.7	413
2	Nickel-Cobalt Diselenide 3D Mesoporous Nanosheet Networks Supported on Ni Foam: An All-pH Highly Efficient Integrated Electrocatalyst for Hydrogen Evolution. <i>Advanced Materials</i> , 2017, 29, 1606521.	21.0	370
3	Iron Vacancies Induced Bifunctionality in Ultrathin Ferrous Nanosheets for Overall Water Splitting. <i>Advanced Materials</i> , 2018, 30, e1803144.	21.0	225
4	Dramatic Differences in Aggregation-Induced Emission and Supramolecular Polymerizability of Tetraphenylethene-Based Stereoisomers. <i>Journal of the American Chemical Society</i> , 2017, 139, 10150-10156.	13.7	170
5	Unconventional Nickel Nitride Enriched with Nitrogen Vacancies as a High-Efficiency Electrocatalyst for Hydrogen Evolution. <i>Advanced Science</i> , 2018, 5, 1800406.	11.2	163
6	Bioinspired Simultaneous Changes in Fluorescence Color, Brightness, and Shape of Hydrogels Enabled by AIEgens. <i>Advanced Materials</i> , 2020, 32, e1906493.	21.0	160
7	Artificial Light-Harvesting System Based on Multifunctional Surface-Cross-Linked Micelles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2088-2092.	13.8	146
8	Aggregation-Induced Nonlinear Optical Effects of AIEgen Nanocrystals for Ultradeep In Vivo Bioimaging. <i>Advanced Materials</i> , 2019, 31, e1904799.	21.0	126
9	Water-dispersible nanospheres of hydrogen-bonded supramolecular polymers and their application for mimicking light-harvesting systems. <i>Chemical Communications</i> , 2014, 50, 1334-1337.	4.1	118
10	Supramolecular Polymeric Fluorescent Nanoparticles Based on Quadruple Hydrogen Bonds. <i>Advanced Functional Materials</i> , 2016, 26, 5483-5489.	14.9	105
11	Artificial light-harvesting supramolecular polymeric nanoparticles formed by pillar[5]arene-based host-guest interaction. <i>Chemical Communications</i> , 2018, 54, 1117-1120.	4.1	92
12	A Functioning Macroscopic "Rubik's Cube" Assembled via Controllable Dynamic Covalent Interactions. <i>Advanced Materials</i> , 2019, 31, e1902365.	21.0	84
13	Visualizing the Initial Step of Self-Assembly and the Phase Transition by Stereogenic Amphiphiles with Aggregation-Induced Emission. <i>ACS Nano</i> , 2019, 13, 839-846.	14.6	77
14	A Hydrogen-Bonded Supramolecular Polymer-Based Nanoprobe for Ratiometric Oxygen Sensing in Living Cells. <i>Advanced Functional Materials</i> , 2016, 26, 5419-5425.	14.9	67
15	Mesoporous Nanosheet Networked Hybrids of Cobalt Oxide and Cobalt Phosphate for Efficient Electrochemical and Photoelectrochemical Oxygen Evolution. <i>Small</i> , 2017, 13, 1701875.	10.0	66
16	In situ nitridated porous nanosheet networked Co ₃ O ₄ -Co ₄ N heteronanostructures supported on hydrophilic carbon cloth for highly efficient electrochemical hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 775-782.	10.3	63
17	Electrocatalysts: Nickel-Cobalt Diselenide 3D Mesoporous Nanosheet Networks Supported on Ni Foam: An All-pH Highly Efficient Integrated Electrocatalyst for Hydrogen Evolution (Adv. Mater.) Tj ETQq1 1 0.784214 rgBT#6 Overlo	21.0	370
18	Nanostructured and Boron-Doped Diamond as an Electrocatalyst for Nitrogen Fixation. <i>ACS Energy Letters</i> , 2020, 5, 2590-2596.	17.4	55

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19	Highly stable and bright AIE dots for NIR-II deciphering of living rats. <i>Nano Today</i> , 2020, 34, 100893.	11.9	53
20	Nitrogen-Doped Graphene-Encapsulated Nickel-Copper Alloy Nanoflower for Highly Efficient Electrochemical Hydrogen Evolution Reaction. <i>Small</i> , 2019, 15, e1901545.	10.0	50
21	Defect engineering of nanostructured electrocatalysts for enhancing nitrogen reduction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7457-7473.	10.3	41
22	Supramolecular Polymerization with Dynamic Self-Sorting Sequence Control. <i>Macromolecules</i> , 2019, 52, 8814-8825.	4.8	40
23	Seeing and Controlling Photoisomerization by Z-E-Isomers with Aggregation-Induced Emission Characteristics. <i>ACS Nano</i> , 2019, 13, 12120-12126.	14.6	36
24	Simultaneously boosting the conjugation, brightness and solubility of organic fluorophores by using AIEgens. <i>Chemical Science</i> , 2020, 11, 8438-8447.	7.4	32
25	Water-soluble, membrane-permeable organic fluorescent nanoparticles with large tunability in emission wavelengths and Stokes shifts. <i>Chemical Communications</i> , 2013, 49, 5877.	4.1	26
26	Feroxyhyte Nanosheets: Iron Vacancies Induced Bifunctionality in Ultrathin Feroxyhyte Nanosheets for Overall Water Splitting (<i>Adv. Mater.</i> 36/2018). <i>Advanced Materials</i> , 2018, 30, 1870272.	21.0	22
27	Convenient Synthesis of Functionalized Bis-ureidopyrimidinones Based on Thiol-yne Reaction. <i>Chemistry - A European Journal</i> , 2014, 20, 11699-11702.	3.3	16
28	Hierarchical trace copper incorporation activated cobalt layered double hydroxide as a highly selective methanol conversion electrocatalyst to realize energy-matched photovoltaic-electrocatalytic formate and hydrogen co-production. <i>Journal of Materials Chemistry A</i> , 2022, 10, 19649-19661.	10.3	12
29	Hydrogen Evolution Reaction: Nitrogen-Doped Graphene-Encapsulated Nickel-Copper Alloy Nanoflower for Highly Efficient Electrochemical Hydrogen Evolution Reaction (<i>Small</i> 48/2019). <i>Small</i> , 2019, 15, 1970260.	10.0	11
30	Highly effective photocatalytic performance of {001}-TiO ₂ /MoS ₂ /RGO hybrid heterostructures for the reduction of Rh B. <i>RSC Advances</i> , 2019, 9, 15033-15041.	3.6	10
31	Modulation of Aggregation-Induced Emission by Excitation Energy Transfer: Design and Application. <i>Topics in Current Chemistry</i> , 2021, 379, 18.	5.8	7
32	Plasma-induced transformation: a new strategy to in situ engineer MOF-derived heterointerface for high-efficiency electrochemical hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6596-6606.	10.3	6
33	Biosensing: A Hydrogen-Bonded-Supramolecular-Polymer-Based Nanoprobe for Ratiometric Oxygen Sensing in Living Cells (<i>Adv. Funct. Mater.</i> 30/2016). <i>Advanced Functional Materials</i> , 2016, 26, 5580-5580.	14.9	0
34	Hydrogels: A Functioning Macroscopic Rubik's Cube-Assembled via Controllable Dynamic Covalent Interactions (<i>Adv. Mater.</i> 40/2019). <i>Advanced Materials</i> , 2019, 31, 1970286.	21.0	0
35	Modulation of Aggregation-Induced Emission by Excitation Energy Transfer: Design and Application. <i>Topics in Current Chemistry Collections</i> , 2022, , 1-41.	0.5	0