

Peiguang Hu

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,744
citations

430754

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315616

38
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42
all docs

42
docs citations

42
times ranked

2713
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfolipid density dictates the extent of carbon nanodot interaction with chloroplast membranes. <i>Environmental Science: Nano</i> , 2022, 9, 2691-2703.	2.2	4
2	Peptide-mediated Targeting of Nanoparticles with Chemical Cargoes to Chloroplasts in Arabidopsis Plants. <i>Bio-protocol</i> , 2021, 11, e4060.	0.2	2
3	Emerging investigator series: molecular mechanisms of plant salinity stress tolerance improvement by seed priming with cerium oxide nanoparticles. <i>Environmental Science: Nano</i> , 2020, 7, 2214-2228.	2.2	97
4	Nanoparticle Charge and Size Control Foliar Delivery Efficiency to Plant Cells and Organelles. <i>ACS Nano</i> , 2020, 14, 7970-7986.	7.3	204
5	Monitoring Plant Health with Near-Infrared Fluorescent H ₂ O ₂ Nanosensors. <i>Nano Letters</i> , 2020, 20, 2432-2442.	4.5	142
6	Targeted delivery of nanomaterials with chemical cargoes in plants enabled by a biorecognition motif. <i>Nature Communications</i> , 2020, 11, 2045.	5.8	107
7	Silicene Quantum Dots: Synthesis, Spectroscopy, and Electrochemical Studies. <i>Langmuir</i> , 2018, 34, 2834-2840.	1.6	16
8	Ruthenium nanoparticles cofunctionalized with acetylene derivatives of coumarin and perylene: dyad-like intraparticle charge transfer. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	2
9	Silver@Copper Hollow Nanoshells as Phase-Transfer Reagents and Catalysts in the Reduction of 4-Nitroaniline. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1600358.	1.2	0
10	Covalent Crosslinking of Graphene Quantum Dots by McMurry Deoxygenation Coupling. <i>Chemistry - an Asian Journal</i> , 2017, 12, 973-977.	1.7	1
11	Platinum nanoparticles encapsulated in nitrogen-doped graphene quantum dots: Enhanced electrocatalytic reduction of oxygen by nitrogen dopants. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 29192-29200.	3.8	18
12	Enhanced Electrocatalytic Activity of Nanoparticle Catalysts in Oxygen Reduction by Interfacial Engineering. <i>Nanostructure Science and Technology</i> , 2016, , 281-307.	0.1	0
13	Nanoparticle-Mediated Intervalence Charge Transfer: Core-Size Effects. <i>Angewandte Chemie</i> , 2016, 128, 1477-1481.	1.6	2
14	Gold core@silver semishell Janus nanoparticles prepared by interfacial etching. <i>Nanoscale</i> , 2016, 8, 14565-14572.	2.8	33
15	Thermoswitchable Janus Gold Nanoparticles with Stimuli-Responsive Hydrophilic Polymer Brushes. <i>Langmuir</i> , 2016, 32, 4297-4304.	1.6	19
16	Surface Functionalization of Metal Nanoparticles by Conjugated Metal-Ligand Interfacial Bonds: Impacts on Intraparticle Charge Transfer. <i>Accounts of Chemical Research</i> , 2016, 49, 2251-2260.	7.6	63
17	Identification of the formation of metal-vinylidene interfacial bonds of alkyne-capped platinum nanoparticles by isotopic labeling. <i>Chemical Communications</i> , 2016, 52, 11631-11633.	2.2	14
18	Nanoparticle-Mediated Intervalence Charge Transfer: Core-Size Effects. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1455-1459.	7.2	12

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19	Intervalence Charge Transfer of Ruthenium–Nitrogen Moieties Embedded within Nitrogen-Doped Graphene Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13303-13309.	1.5	25
20	Effects of para-substituents of styrene derivatives on their chemical reactivity on platinum nanoparticle surfaces. <i>Nanoscale</i> , 2016, 8, 12013-12021.	2.8	7
21	Multifunctional graphene-based nanostructures for efficient electrocatalytic reduction of oxygen. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 2132-2151.	1.6	20
22	Enhanced antimicrobial activity with faceted silver nanostructures. <i>Journal of Materials Science</i> , 2015, 50, 2849-2858.	1.7	26
23	Chemical Reactivity of Naphthalenecarboxylate-Protected Ruthenium Nanoparticles: Intraparticle Charge Delocalization Derived from Interfacial Decarboxylation. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15449-15454.	1.5	7
24	Electrocatalytic activity of alkyne-functionalized AgAu alloy nanoparticles for oxygen reduction in alkaline media. <i>Nanoscale</i> , 2015, 7, 9627-9636.	2.8	71
25	Size-Independent Single-Electron Tunneling. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4986-4990.	2.1	11
26	Self-Assembly and Chemical Reactivity of Alkenes on Platinum Nanoparticles. <i>Langmuir</i> , 2015, 31, 522-528.	1.6	11
27	Interfacial reactivity of ruthenium nanoparticles protected by ferrocenecarboxylates. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 18736-18742.	1.3	16
28	Platinum Nanoparticles Functionalized with Ethynylphenylboronic Acid Derivatives: Selective Manipulation of Nanoparticle Photoluminescence by Fluoride Ions. <i>Langmuir</i> , 2014, 30, 5224-5229.	1.6	14
29	Ruthenium Nanoparticles Stabilized by the Self-Assembly of Acetylene, Carboxylate, and Thiol Derivatives. <i>Science of Advanced Materials</i> , 2014, 6, 1060-1067.	0.1	9
30	Intraparticle donor–acceptor dyads prepared using conjugated metal–ligand linkages. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 17647.	1.3	5
31	Symmetry breaking in optimal timing of traffic signals on an idealized two-way street. <i>Physical Review E</i> , 2013, 88, 032801.	0.8	0
32	Electrocatalytic Activity of Organically Functionalized Silver Nanoparticles in Oxygen Reduction. <i>Science of Advanced Materials</i> , 2013, 5, 1727-1736.	0.1	11
33	Photocatalytic activity of Ag ₃ PO ₄ nanoparticle/TiO ₂ nanobelt heterostructures. <i>Applied Surface Science</i> , 2012, 258, 9805-9809.	3.1	95
34	High ethanol sensitivity of Palladium/TiO ₂ nanobelt surface heterostructures dominated by enlarged surface area and nano-Schottky junctions. <i>Journal of Colloid and Interface Science</i> , 2012, 388, 144-150.	5.0	40
35	Electrocatalytic oxidation of nucleobases by TiO ₂ nanobelts. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 9232.	1.3	20
36	Nano–junctions on surface-coarsened TiO ₂ nanobelts with enhanced photocatalytic activity. <i>Journal of Materials Chemistry</i> , 2011, 21, 5106.	6.7	114

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37	Enhancement of selective determination of the perfect match and mismatch of single nucleobases with a biosensing electrode based on surface-coarsened anatase TiO ₂ nanobelts. Journal of Materials Chemistry, 2011, 21, 10633.	6.7	13
38	Phase transformation of TiO ₂ nanobelts and TiO ₂ (B)/anatase interface heterostructure nanobelts with enhanced photocatalytic activity. CrystEngComm, 2011, 13, 6643.	1.3	107
39	Nanoheterostructures on TiO ₂ nanobelts achieved by acid hydrothermal method with enhanced photocatalytic and gas sensitive performance. Journal of Materials Chemistry, 2011, 21, 7937.	6.7	142
40	Nanopaper based on Ag/TiO ₂ nanobelts heterostructure for continuous-flow photocatalytic treatment of liquid and gas phase pollutants. Journal of Hazardous Materials, 2011, 197, 19-25.	6.5	56
41	Enhancement of Ethanol Vapor Sensing of TiO ₂ Nanobelts by Surface Engineering. ACS Applied Materials & Interfaces, 2010, 2, 3263-3269.	4.0	188