

Hui Xu

List of Publications by Year in descending order

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28
papers

671
citations

759055

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h-index

580701

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1132
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Pore Structure on Two-Electron Oxygen Reduction Reaction in Nitrogen-Doped Carbon Materials: Rotating Ring-Disk Electrode vs. Flow Cell. <i>ChemSusChem</i> , 2022, 15, e202102587.	3.6	9
2	Graphene-based hydrogel with embedded gold nanoparticles as a recyclable catalyst for the degradation of 4-nitrophenol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 640, 128410.	2.3	5
3	Polyacrylic Acid Grafted Carbon Nanotubes for Immobilization of Lead(II) in Perovskite Solar Cell. <i>ACS Energy Letters</i> , 2022, 7, 1577-1585.	8.8	33
4	Ultrafine and Highly Dispersed PtRu Alloy on Polyacrylic Acid-Grafted Carbon Nanotube@Tin Oxide Core/Shell Composites for Direct Methanol Fuel Cells. <i>ACS Applied Energy Materials</i> , 2022, 5, 4179-4190.	2.5	10
5	Hairy silica nanosphere supported metal nanoparticles for reductive degradation of dye pollutants. <i>Nanoscale Advances</i> , 2021, 3, 2879-2886.	2.2	13
6	Electrospun polymeric nanofiber decorated with sea urchin-like gold nanoparticles as an efficient and stable SERS platform. <i>Journal of Colloid and Interface Science</i> , 2021, 590, 125-133.	5.0	24
7	A Mild CO ₂ Etching Method To Tailor the Pore Structure of Platinum-Free Oxygen Reduction Catalysts in Proton Exchange Membrane Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45661-45669.	4.0	17
8	Ultrafine palladium nanoparticles supported on poly(4-vinylpyridine)-grafted carbon nanotubes as heterogeneous catalysts for cross-coupling reaction between organoindium halide and alkyl iodide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127215.	2.3	11
9	Direct electrochemistry of silver nanoparticles-decorated metal-organic frameworks for telomerase activity sensing via allosteric activation of an aptamer hairpin. <i>Analytica Chimica Acta</i> , 2021, 1184, 339036.	2.6	11
10	Water-Soluble Fluorescent Nanobowls Constructed by Multiple Supramolecular Assembly. <i>Macromolecules</i> , 2020, 53, 10613-10622.	2.2	7
11	A Facile and Highly Efficient Route to Amphiphilic Star-Like Rod-Coil Block Copolymer via a Combination of Atom Transfer Radical Polymerization with Thiol-Ene Click Chemistry. <i>Macromolecular Rapid Communications</i> , 2020, 41, e1900540.	2.0	11
12	Covalent interactions between carbon nanotubes and P3HT by thiol-ene click chemistry towards improved thermoelectric performance. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1174-1181.	3.2	10
13	Immobilization of Gold Nanoparticles on Poly(4-vinylpyridine)-Grafted Carbon Nanotubes as Heterogeneous Catalysts for Hydrogenation of 4-Nitrophenol. <i>ACS Applied Nano Materials</i> , 2020, 3, 12169-12177.	2.4	21
14	Single-Sided Competitive Axial Coordination of G-Quadruplex/Hemin as Molecular Switch for Imaging Intracellular Nitric Oxide. <i>Chemistry - A European Journal</i> , 2019, 25, 490-494.	1.7	12
15	Directional self-assembly of gold nanorods into 1D and 2D arrays by quadruple hydrogen bonding. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1888-1891.	3.2	7
16	From Intrinsic Bipolar Transport to the Abnormal Curves of Mobility ^{1/2} in the Common Hole-Transporting Materials. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18264-18269.	1.5	2
17	Controllable synthesis of sea urchin-like gold nanoparticles and their optical characteristics. <i>Applied Surface Science</i> , 2019, 498, 143864.	3.1	26
18	Nature of Defect States within Amorphous NPB Investigated through Drive-Level Capacitance Profiling. <i>Journal of Physical Chemistry C</i> , 2019, 123, 165-174.	1.5	8

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19	Thickness Dependence of Carrier Mobility and the Interface Trap Free Energy Investigated by Impedance Spectroscopy in Organic Semiconductors. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17184-17189.	1.5	12
20	InnenrÄ¼cktitelbild: An Unconventional Route to Monodisperse and Intimately Contacted Semiconducting Organic-Inorganic Nanocomposites (<i>Angew. Chem. 15/2015</i>). <i>Angewandte Chemie</i> , 2015, 127, 4761-4761.	1.6	0
21	An Unconventional Route to Monodisperse and Intimately Contacted Semiconducting Organic-Inorganic Nanocomposites. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4636-4640.	7.2	54
22	A general route to nanocrystal kebabs periodically assembled on stretched flexible polymer shish. <i>Science Advances</i> , 2015, 1, e1500025.	4.7	69
23	Sequential Construction Strategy for Rational Design of Luminescent Iridacycles. <i>Organometallics</i> , 2015, 34, 4229-4237.	1.1	7
24	Nanoscale optical probes for cellular imaging. <i>Chemical Society Reviews</i> , 2014, 43, 2650.	18.7	179
25	Star-like polymer click-functionalized with small capping molecules: an initial investigation into properties and improving solubility in liquid crystals. <i>RSC Advances</i> , 2014, 4, 50212-50219.	1.7	3
26	Unimolecular micelles composed of inner coil-like blocks and outer rod-like blocks crafted by combination of living polymerization with click chemistry. <i>Polymer Chemistry</i> , 2014, 5, 2747-2755.	1.9	34
27	C-H Bond Activation and Subsequent C(sp ²)-C(sp ³) Bond Formation: Coupling of Bromomethyl and Triphenylphosphine in an Iridium Complex. <i>Organometallics</i> , 2010, 29, 2904-2910.	1.1	17
28	Nine-Membered Osmacycles Derived from Metathesis Reactions between Alkynes and an Osmafuran. <i>Organometallics</i> , 2009, 28, 1524-1533.	1.1	46