

Wenqin Wang

List of Publications by Year in descending order

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39
papers

988
citations

471509

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434195

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times ranked

1548
citing authors

#	ARTICLE	IF	CITATIONS
1	High Performance Humidity Fluctuation Sensor for Wearable Devices via a Bioinspired Atomic-Precise Tunable Graphene-Polymer Heterogeneous Sensing Junction. <i>Chemistry of Materials</i> , 2018, 30, 4343-4354.	6.7	120
2	Converting Pomelo Peel into Eco-friendly and Low-Consumption Photothermic Biomass Sponge toward Multifunctional Solar-to-Heat Conversion. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5328-5337.	6.7	79
3	Light-Switchable Self-Healing Hydrogel Based on Host-Guest Macro-Crosslinking. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600741.	3.9	78
4	In situ crosslinked PVA-PEI polymer binder for long-cycle silicon anodes in Li-ion batteries. <i>RSC Advances</i> , 2016, 6, 68371-68378.	3.6	77
5	Ultrafast and Efficient Detection of Formaldehyde in Aqueous Solutions Using Chitosan-based Fluorescent Polymers. <i>ACS Sensors</i> , 2018, 3, 2394-2401.	7.8	76
6	Highly Efficient Actuator of Graphene/Polydopamine Uniform Composite Thin Film Driven by Moisture Gradients. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600169.	3.7	64
7	Aggregation-Caused Quenching-Type Naphthalimide Fluorophores Grafted and Ionized in a 3D Polymeric Hydrogel Network for Highly Fluorescent and Locally Tunable Emission. <i>ACS Macro Letters</i> , 2019, 8, 937-942.	4.8	63
8	CNTs/TiO ₂ composite membrane with adaptable wettability for on-demand oil/water separation. <i>Journal of Cleaner Production</i> , 2020, 275, 124011.	9.3	40
9	Multifunctional CNTs-PAA/MIL101(Fe)@Pt Composite Membrane for High-throughput Oily Wastewater Remediation. <i>Journal of Hazardous Materials</i> , 2021, 403, 123547.	12.4	35
10	Polymer brush functionalized Janus graphene oxide/chitosan hybrid membranes. <i>RSC Advances</i> , 2014, 4, 22759.	3.6	34
11	Au nanoparticle-loaded PDMAEMA brush grafted graphene oxide hybrid systems for thermally smart catalysis. <i>RSC Advances</i> , 2014, 4, 44480-44485.	3.6	30
12	Synthesis and characterization of Ag@PPy yolk-shell nanocomposite. <i>Synthetic Metals</i> , 2010, 160, 2255-2259.	3.9	27
13	Coating sulfonated polystyrene microspheres with highly dense gold nanoparticle shell for SERS application. <i>Colloid and Polymer Science</i> , 2013, 291, 2023-2029.	2.1	23
14	Silver-polypyrrole composites: Facile preparation and application in surface-enhanced Raman spectroscopy. <i>Synthetic Metals</i> , 2009, 159, 1332-1335.	3.9	20
15	Simultaneous Synthesis and Assembly of Silver Nanoparticles to Three-Dimensional Superstructures for Sensitive Surface-Enhanced Raman Spectroscopy Detection. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21468-21473.	8.0	19
16	Sulfonated polystyrene spheres as template for fabricating hollow compact silver spheres via silver-mirror reaction at low temperature. <i>RSC Advances</i> , 2014, 4, 2295-2299.	3.6	18
17	Synthesis and Properties Study of the Uniform Nonspherical Styrene/Methacrylic Acid Copolymer Latex Particles. <i>Langmuir</i> , 2015, 31, 105-109.	3.5	18
18	Coating Fe ₃ O ₄ spheres with polypyrrole-Pd composites and their application as recyclable catalysts. <i>Synthetic Metals</i> , 2016, 221, 142-148.	3.9	17

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19	Controlled fabrication of surface-enhanced-Raman scattering-active silver nanostructures on polypyrrole films. <i>Materials Chemistry and Physics</i> , 2010, 124, 385-388.	4.0	16
20	Using a Macroporous Silver Shell to Coat Sulfonic Acid Group-Functionalized Silica Spheres and Their Applications in Catalysis and Surface-Enhanced Raman Scattering. <i>Langmuir</i> , 2015, 31, 10517-10523.	3.5	16
21	The preparation and characterization of the cross-linked Ag@AgCl/polypyrrole nanocomposite. <i>Synthetic Metals</i> , 2010, 160, 2203-2207.	3.9	14
22	Facile fabrication of silver/polypyrrole composites by the modified silver mirror reaction. <i>Journal of Materials Science</i> , 2009, 44, 3002-3005.	3.7	11
23	Programmable Interface Asymmetric Integration of Carbon Nanotubes and Gold Nanoparticles toward Flexible, Configurable, and Surface-Enhanced Raman Scattering Active All-Optical Solar-Driven Evaporators. <i>Energy Technology</i> , 2019, 7, 1900787.	3.8	11
24	Controlled evaporative self-assembly of Fe ₃ O ₄ nanoparticles assisted by an external magnetic field. <i>RSC Advances</i> , 2015, 5, 31519-31524.	3.6	10
25	Fried egg-like Au mesostructures grown on poly(4-vinylpyridine) brushes grafted onto graphene oxide. <i>New Journal of Chemistry</i> , 2018, 42, 17016-17020.	2.8	9
26	Shape-Controlled Synthesis of Au@Polypyrrole Composites Using Poly(4-vinylpyridine) Brush Grafted on Graphene Oxide as a Reaction Chamber. <i>Chemistry - A European Journal</i> , 2017, 23, 17549-17555.	3.3	8
27	3D hierarchical Ag nanostructures formed on poly(acrylic acid) brushes grafted graphene oxide as promising SERS substrates. <i>Nanotechnology</i> , 2018, 29, 115503.	2.6	8
28	3D-gold superstructures grown on a poly(acrylic acid) brush. <i>RSC Advances</i> , 2015, 5, 60857-60860.	3.6	7
29	Spontaneous Growth of 3D Silver Mesoflowers on Poly(4-vinylpyridine) Brushes Grafted Graphene Oxide Films and Facile Creation of Nanoporosities over their Surface. <i>Chemistry - A European Journal</i> , 2019, 25, 16377-16381.	3.3	7
30	Polypyrrole-wrapped Pd nanoparticles hollow capsules as a catalyst for reduction of 4-nitroaniline. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	6
31	Synthesis and characterization of coaxial silver/silica/polypyrrole nanocables. <i>Journal of Applied Polymer Science</i> , 2013, 129, 2377-2382.	2.6	5
32	Enhanced Performance of Yolk-Shell Structured Si-PPy Composite as an Anode for Lithium Ion Batteries. <i>Electrochemistry</i> , 2015, 83, 1067-1070.	1.4	5
33	Poly(2-vinylpyridine) brushes as a reaction chamber to fabricate spiky gold nanoparticles. <i>RSC Advances</i> , 2017, 7, 28024-28028.	3.6	5
34	Spontaneous Growth of Au Microflowers on Poly(<i>N</i> -isopropylacrylamide) Brushes-grafted-Graphene Oxide Films for Surface-enhanced Raman Spectroscopy. <i>Chemistry Letters</i> , 2020, 49, 1159-1162.	1.3	3
35	Fabrication and characterization of multilayer SiO ₂ /polymethacrylic acid/polypyrrole composites and hollow polypyrrole microspheres. <i>Journal of Applied Polymer Science</i> , 2012, 126, 974-979.	2.6	2
36	Synthesis and characterization of polypyrrole@Au coated SiO ₂ @poly(4-vinylpyridine) composites. <i>Journal of Applied Polymer Science</i> , 2013, 128, 4130-4135.	2.6	2

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37	Fabrication of 3D wax/silica/Ag(Au) colloidosomes as surface-enhanced Raman spectroscopy substrates based on Pickering emulsion and seed-mediated growth method of noble metal nanoparticles. <i>Journal of Materials Research</i> , 2019, 34, 2137-2145.	2.6	2
38	Polydopamine Nanospheres-grafted-PDMAEMA Brushes/Au Composites as a Thermally Adjustable Catalyst for the Reduction of 4-Nitrophenol. <i>Chemistry Letters</i> , 2022, 51, 811-814.	1.3	2
39	Fabrication and characterization of silica/polypyrrole nanocomposites using silica sulfuric acid as templates. <i>Journal of Applied Polymer Science</i> , 2012, 123, 1645-1649.	2.6	1