

Wentao Wang

List of Publications by Year in Descending Order

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Version: 2024-04-20

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

947
citations

18
h-index

30
g-index

40
ext. papers

1,143
ext. citations

8.5
avg, IF

4.43
L-index

#	Paper	IF	Citations
31	Characterizing the Brownian Diffusion of Nanocolloids and Molecular Solutions: Diffusion-Ordered NMR Spectroscopy vs Dynamic Light Scattering. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 4631-4650	3.4	13
30	Engineering the Bio-Nano Interface Using a Multifunctional Coordinating Polymer Coating. <i>Accounts of Chemical Research</i> , 2020 , 53, 1124-1138	24.3	21
29	Compact, "Clickable" Quantum Dots Photoligated with Multifunctional Zwitterionic Polymers for Immunofluorescence and Imaging. <i>Bioconjugate Chemistry</i> , 2020 , 31, 1497-1509	6.3	9
28	Förster Resonance Energy Transfer between Colloidal CuInS ₂ /ZnS Quantum Dots and Dark Quenchers. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 1717-1731	3.8	11
27	Elucidating the Role of Surface Coating in the Promotion or Prevention of Protein Corona around Quantum Dots. <i>Bioconjugate Chemistry</i> , 2019 , 30, 2469-2480	6.3	18
26	The dual-function of lipoic acid groups as surface anchors and sulfhydryl reactive sites on polymer-stabilized QDs and Au nanocolloids. <i>Journal of Chemical Physics</i> , 2019 , 151, 164703	3.9	8
25	Modification of Poly(maleic anhydride)-Based Polymers with HN-R Nucleophiles: Addition or Substitution Reaction?. <i>Bioconjugate Chemistry</i> , 2019 , 30, 871-880	6.3	20
24	Macromol. Chem. Phys. 8/2018. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1870022	2.6	
23	Scaling Laws for Polymer Chains Grafted onto Nanoparticles. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1700417	2.6	10
22	Characterization of the Ligand Capping of Hydrophobic CdSe/ZnS Quantum Dots Using NMR Spectroscopy. <i>Chemistry of Materials</i> , 2018 , 30, 225-238	9.6	34
21	Enhanced Uptake of Luminescent Quantum Dots by Live Cells Mediated by a Membrane-Active Peptide. <i>ACS Omega</i> , 2018 , 3, 17164-17172	3.9	9
20	Intracellular Delivery of Gold Nanocolloids Promoted by a Chemically Conjugated Anticancer Peptide. <i>ACS Omega</i> , 2018 , 3, 12754-12762	3.9	13
19	A Versatile Coordinating Ligand for Coating Semiconductor, Metal, and Metal Oxide Nanocrystals. <i>Chemistry of Materials</i> , 2018 , 30, 7269-7279	9.6	19
18	Self-Assembled Gold Nanoparticle-Fluorescent Protein Conjugates as Platforms for Sensing Thiolate Compounds via Modulation of Energy Transfer Quenching. <i>Bioconjugate Chemistry</i> , 2017 , 28, 678-687	6.3	29
17	Enhanced Colloidal Stability of Various Gold Nanostructures Using a Multicoordinating Polymer Coating. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 22901-22913	3.8	25
16	Margatoxin-bound quantum dots as a novel inhibitor of the voltage-gated ion channel Kv1.3. <i>Journal of Neurochemistry</i> , 2017 , 140, 404-420	6	6
15	Controlling the spectroscopic properties of quantum dots via energy transfer and charge transfer interactions: Concepts and applications. <i>Nano Today</i> , 2016 , 11, 98-121	17.9	30

14	Surface-Functionalizing Metal, Metal Oxide and Semiconductor Nanocrystals with a Multi-coordinating Polymer Platform. <i>MRS Advances</i> , 2016 , 1, 3741-3747	0.7	1
13	A multi-coordinating polymer ligand optimized for the functionalization of metallic nanocrystals and nanorods. <i>Faraday Discussions</i> , 2016 , 191, 481-494	3.6	11
12	Multifunctional and High Affinity Polymer Ligand that Provides Bio-Orthogonal Coating of Quantum Dots. <i>Bioconjugate Chemistry</i> , 2016 , 27, 2024-36	6.3	37
11	Effects of separation distance on the charge transfer interactions in quantum dot-dopamine assemblies. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 10108-17	3.6	18
10	Photoligation of an amphiphilic polymer with mixed coordination provides compact and reactive quantum dots. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5438-51	16.4	67
9	A multifunctional polymer combining the imidazole and zwitterion motifs as a biocompatible compact coating for quantum dots. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14158-72	16.4	89
8	Strategies for interfacing inorganic nanocrystals with biological systems based on polymer-coating. <i>Chemical Society Reviews</i> , 2015 , 44, 193-227	58.5	156
7	Tuning the Redox Coupling between Quantum Dots and Dopamine in Hybrid Nanoscale Assemblies. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 3388-3399	3.8	20
6	Design of a multi-dopamine-modified polymer ligand optimally suited for interfacing magnetic nanoparticles with biological systems. <i>Langmuir</i> , 2014 , 30, 6197-208	4	57
5	A multifunctional amphiphilic polymer as a platform for surface-functionalizing metallic and other inorganic nanostructures. <i>Faraday Discussions</i> , 2014 , 175, 137-51	3.6	17
4	Highly effective and reproducible surface-enhanced Raman scattering substrates based on Ag pyramidal arrays. <i>Nano Research</i> , 2013 , 6, 159-166	10	63
3	Self-Assembled Monolayer Islands Masked Chemical Etching for Broad-Band Antireflective Silicon Surfaces. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 1989-1995	3.8	25
2	Biomimetic corrugated silicon nanocone arrays for self-cleaning antireflection coatings. <i>Nano Research</i> , 2010 , 3, 520-527	10	90
1	Langmuir-Blodgett Monolayer Masked Chemical Etching: An Approach to Broadband Antireflective Surfaces. <i>Chemistry of Materials</i> , 2009 , 21, 1802-1805	9.6	19