

Yuanyuan Wang

List of Publications by Year in descending order

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25
papers

1,725
citations

516710

16
h-index

552781

26
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26
all docs

26
docs citations

26
times ranked

2262
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Formation of Colloidal All-Inorganic Metal Nanocrystals from Magic-Size Clusters. ACS Applied Materials & Interfaces, 2022, , .	8.0	5
2	Triethyl-Borates as Surfactants to Stabilize Semiconductor Nanoplatelets in Polar Solvents and to Tune Their Optical Properties. Frontiers in Chemistry, 2022, 10, 860781.	3.6	2
3	Direct Heat-Induced Patterning of Inorganic Nanomaterials. Journal of the American Chemical Society, 2022, 144, 10495-10506.	13.7	8
4	Progress in electrochemiluminescence of nanoclusters: how to improve the quantum yield of nanoclusters. Analyst, The, 2021, 146, 803-815.	3.5	17
5	Direct Optical Lithography of Colloidal Metal Oxide Nanomaterials for Diffractive Optical Elements with 2 π Phase Control. Journal of the American Chemical Society, 2021, 143, 2372-2383.	13.7	21
6	Roll-To-Roll Friendly Solution-Processing of Ultrathin, Sintered CdTe Nanocrystal Photovoltaics. ACS Applied Materials & Interfaces, 2021, 13, 44165-44173.	8.0	5
7	Optical Patterning: Direct Optical Patterning of Quantum Dot Light-Emitting Diodes via In Situ Ligand Exchange (Adv. Mater. 46/2020). Advanced Materials, 2020, 32, 2070346.	21.0	2
8	Quantum dot solids showing state-resolved band-like transport. Nature Materials, 2020, 19, 323-329.	27.5	136
9	Excitation Energy Dependence of Photoluminescence Quantum Yields in Semiconductor Nanomaterials with Varying Dimensionalities. Journal of Physical Chemistry Letters, 2020, 11, 3249-3256.	4.6	14
10	Direct Optical Patterning of Quantum Dot Light-Emitting Diodes via In Situ Ligand Exchange. Advanced Materials, 2020, 32, e2003805.	21.0	62
11	Trifunctional modification of individual bacterial cells for magnet-assisted bioanodes with high performance in microbial fuel cells. Journal of Materials Chemistry A, 2020, 8, 24515-24523.	10.3	13
12	Direct Wavelength-Selective Optical and Electron-Beam Lithography of Functional Inorganic Nanomaterials. ACS Nano, 2019, 13, 13917-13931.	14.6	77
13	High Carrier Mobility in HgTe Quantum Dot Solids Improves Mid-IR Photodetectors. ACS Photonics, 2019, 6, 2358-2365.	6.6	77
14	Isolation of Amine Derivatives of (ZnSe) ₃₄ and (CdTe) ₃₄ . Spectroscopic Comparisons of the (II ^{VI}) ₁₃ and (II ^{VI}) ₃₄ Magic-Size Nanoclusters. Inorganic Chemistry, 2019, 58, 1815-1825.	4.0	28
15	Direct optical lithography of functional inorganic nanomaterials. Science, 2017, 357, 385-388.	12.6	224
16	Soluble Lead and Bismuth Chalcogenidometallates: Versatile Solders for Thermoelectric Materials. Chemistry of Materials, 2017, 29, 6396-6404.	6.7	14
17	Magic-Size II ^{VI} Nanoclusters as Synthons for Flat Colloidal Nanocrystals. Inorganic Chemistry, 2015, 54, 1165-1177.	4.0	106
18	Two-Dimensional Semiconductor Nanocrystals: Properties, Templated Formation, and Magic-Size Nanocluster Intermediates. Accounts of Chemical Research, 2015, 48, 13-21.	15.6	109

#	ARTICLE	IF	CITATIONS
19	The Magic-Size Nanocluster (CdSe) ₃₄ as a Low-Temperature Nucleant for Cadmium Selenide Nanocrystals; Room-Temperature Growth of Crystalline Quantum Platelets. <i>Chemistry of Materials</i> , 2014, 26, 2233-2243.	6.7	128
20	Preparation of Primary Amine Derivatives of the Magic-Size Nanocluster (CdSe) ₁₃ . <i>Inorganic Chemistry</i> , 2013, 52, 2933-2938.	4.0	44
21	Isolation of the Magic-Size CdSe Nanoclusters [(CdSe) ₁₃ (<i>n</i> -octylamine) ₁₃] and [(CdSe) ₁₃ (oleylamine) ₁₃]. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6154-6157.	13.8	129
22	Lamellar Assembly of Cadmium Selenide Nanoclusters into Quantum Belts. <i>Journal of the American Chemical Society</i> , 2011, 133, 17005-17013.	13.7	196
23	Fabrication of a Novel Hydrogen Peroxide Biosensor Based on C@Au Composite. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 138-142.	0.9	11
24	Fabrication of a novel hydrogen peroxide biosensor based on the AuNPs@C@SiO ₂ composite. <i>Electrochemistry Communications</i> , 2009, 11, 323-326.	4.7	51
25	Electrochemical Impedance Immunosensor Based on Three-Dimensionally Ordered Macroporous Gold Film. <i>Analytical Chemistry</i> , 2008, 80, 2133-2140.	6.5	236