

Zhidong Xiao

List of Publications by Year in descending order

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33
papers

1,336
citations

394421

19
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434195

31
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docs citations

33
times ranked

2143
citing authors

#	ARTICLE	IF	CITATIONS
1	Titanium carbide nanosheets with defect structure for photothermal-enhanced sonodynamic therapy. <i>Bioactive Materials</i> , 2022, 8, 409-419.	15.6	87
2	Etched-spiky Au@Ag plasmonic-superstructure monolayer films for triple amplification of surface-enhanced Raman scattering signals. <i>Nanoscale Horizons</i> , 2022, 7, 554-561.	8.0	29
3	Synthesis of polystyrene-based fluorescent quantum dots nanolabel and its performance in H5N1 virus and SARS-CoV-2 antibody sensing. <i>Talanta</i> , 2021, 225, 122064.	5.5	24
4	In situ reduction triggers the highly sensitive detection of pesticide by classic gold nanoparticle and quantum dots nanocomposite. <i>Analytica Chimica Acta</i> , 2021, 1172, 338679.	5.4	9
5	A novel gold nanoparticles decorated magnetic microbead-based molecular beacon for DNA multiplexing detection by flow cytometry. <i>Analytica Chimica Acta</i> , 2020, 1110, 19-25.	5.4	12
6	Single microbead-based fluorescence detection of biothiols by flow cytometry. <i>Talanta</i> , 2019, 195, 197-203.	5.5	8
7	Multifunctional Two-Dimensional Core-Shell MXene@Gold Nanocomposites for Enhanced Photo-Radio Combined Therapy in the Second Biological Window. <i>ACS Nano</i> , 2019, 13, 284-294.	14.6	232
8	Synthesis of Monodisperse Plasmonic Magnetic Microbeads and Their Application in Ultrasensitive Detection of Biomolecules. <i>Analytical Chemistry</i> , 2018, 90, 8178-8187.	6.5	21
9	Amplifying the signal of localized surface plasmon resonance sensing for the sensitive detection of Escherichia coli O157:H7. <i>Scientific Reports</i> , 2017, 7, 3288.	3.3	37
10	Nitrogen and Sulfur Codoped Reduced Graphene Oxide as a General Platform for Rapid and Sensitive Fluorescent Detection of Biological Species. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11255-11261.	8.0	54
11	Synthesis of core-shell structured Ag ₃ PO ₄ @benzoxazine soft gel nanocomposites and their photocatalytic performance. <i>RSC Advances</i> , 2016, 6, 62244-62251.	3.6	6
12	Graphene quantum dot-decorated mesoporous silica nanoparticles for high aspirin loading capacity and its pH-triggered release. <i>Analytical Methods</i> , 2016, 8, 2561-2567.	2.7	18
13	N-doped graphene coupled with Co nanoparticles as an efficient electrocatalyst for oxygen reduction in alkaline media. <i>Journal of Power Sources</i> , 2016, 302, 114-125.	7.8	135
14	Ultra-high performance liquid chromatography tandem mass spectrometry for simultaneous analysis of aflatoxins B1, G1, B2, G2, zearalenone and its metabolites in eggs using a QuEChERS-based extraction procedure. <i>Analytical Methods</i> , 2015, 7, 4145-4151.	2.7	13
15	A direct microcontact printing induced supramolecular interaction for creating shape-tunable patterned polymeric surfaces. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8659-8664.	5.5	1
16	Animal Bone Supported SnO ₂ as Recyclable Photocatalyst for Degradation of Rhodamine B Dye. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 6495-6502.	0.9	9
17	Solvent-mediated synthesis of magnetic Fe ₂ O ₃ chestnut-like amorphous-core/β-phase-shell hierarchical nanostructures with strong As(v) removal capability. <i>Journal of Materials Chemistry</i> , 2011, 21, 5414.	6.7	131
18	±-MnO ₂ nanowires transformed from precursor ±-MnO ₂ by refluxing under ambient pressure: The key role of pH and growth mechanism. <i>Materials Chemistry and Physics</i> , 2011, 125, 678-685.	4.0	32

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19	Flower-like porous hematite nanoarchitectures achieved by complexation-mediated oxidation-hydrolysis reaction. <i>Journal of Colloid and Interface Science</i> , 2011, 357, 36-45.	9.4	33
20	In situ generated gas bubble-assisted modulation of the morphologies, photocatalytic, and magnetic properties of ferric oxide nanostructures synthesized by thermal decomposition of iron nitrate. <i>Journal of Nanoparticle Research</i> , 2010, 12, 3025-3037.	1.9	57
21	Chromium doped barium titanate nano-sandwich particles: A facile synthesis and structure enhanced electrorheological properties. <i>Materials Chemistry and Physics</i> , 2010, 122, 73-78.	4.0	14
22	Biont shell catalyst for biodiesel production. <i>Green Chemistry</i> , 2009, 11, 355-364.	9.0	50
23	One-dimensional hollow SrS nanostructure with red long-lasting phosphorescence. <i>Journal of Alloys and Compounds</i> , 2008, 457, 413-416.	5.5	19
24	In Situ Generated H ₂ Bubble-Engaged Assembly: A One-Step Approach for Shape-Controlled Growth of Fe Nanostructures. <i>Chemistry of Materials</i> , 2008, 20, 3535-3539.	6.7	70
25	Transdermal Delivery of Praziquantel: Effects of Solvents on Permeation Across Rabbit Skin. <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 1045-1048.	1.4	11
26	Synthesis and characterization of novel flower-shaped ZnO nanostructures. <i>Materials Chemistry and Physics</i> , 2007, 105, 194-198.	4.0	28
27	Low-temperature synthesis and structural characterization of single-crystalline tungsten oxide nanorods. <i>Materials Letters</i> , 2007, 61, 1718-1721.	2.6	20
28	High-Density, Aligned SiO ₂ Nanowire Arrays: Microscopic Imaging of the Unique Growth Style and Their Ultraviolet Light Emission Properties. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15724-15728.	2.6	30
29	Large-Scale Synthesis of a Novel Tri(8-Hydroxyquinoline) Aluminum Nanostructure. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2580-2583.	0.9	0
30	Formation and Optical Properties of Thin and Wide Tin-doped ZnO Nanobelts. <i>Chemistry Letters</i> , 2005, 34, 436-437.	1.3	81
31	Fabrication and structural characterization of porous tungsten oxide nanowires. <i>Nanotechnology</i> , 2005, 16, 2647-2650.	2.6	60
32	Single-Crystal CdSe Nanowires Prepared via Vapor-Phase Growth Assisted with Silicon. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 2088-2092.	0.9	4
33	Synthesis and Characterization of EC / BA / VAc Hybrid Latexes via Pre-Emulsified Semi-Continuous Seed Emulsion Polymerization. <i>Advanced Materials Research</i> , 0, 550-553, 183-187.	0.3	1