

Xia Hong

List of Publications by Year in descending order

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papers

1,395
citations

567281

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docs citations

41
times ranked

2307
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Superhydrophobic Surface with High Adhesive Force in No Lost Transport of Superparamagnetic Microdroplet. <i>Journal of the American Chemical Society</i> , 2007, 129, 1478-1479.	13.7	426
2	Fabrication of Magnetic Luminescent Nanocomposites by a Layer-by-Layer Self-assembly Approach. <i>Chemistry of Materials</i> , 2004, 16, 4022-4027.	6.7	256
3	Preparation of a durable superhydrophobic membrane by electrospinning poly (vinylidene fluoride) (PVDF) mixed with epoxy-siloxane modified SiO ₂ nanoparticles: A possible route to superhydrophobic surfaces with low water sliding angle and high water contact angle. <i>Journal of Colloid and Interface Science</i> , 2011, 359, 380-388.	9.4	168
4	A novel multinozzle electrospinning process for preparing superhydrophobic PS films with controllable bead-on-string/microfiber morphology. <i>Journal of Colloid and Interface Science</i> , 2010, 345, 491-495.	9.4	83
5	Up-Conversion Luminescence of NaYF ₄ :Yb ³⁺ /Er ³⁺ Nanoparticles Embedded into PVP Nanotubes with Controllable Diameters. <i>Journal of Physical Chemistry C</i> , 2012, 116, 5787-5791.	3.1	43
6	Interplay between Static and Dynamic Energy Transfer in Biofunctional Upconversion Nanoplatfoms. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2518-2523.	4.6	39
7	Periodate oxidation of nanoscaled magnetic dextran composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 269, 95-100.	2.3	32
8	Magnetic-field-assisted rapid ultrasensitive immunoassays using Fe ₃ O ₄ /ZnO/Au nanorices as Raman probes. <i>Biosensors and Bioelectronics</i> , 2010, 26, 918-922.	10.1	30
9	Enhanced photothermal-photodynamic therapy for glioma based on near-infrared dye functionalized Fe ₃ O ₄ superparticles. <i>Chemical Engineering Journal</i> , 2020, 381, 122693.	12.7	30
10	A self-floating electrospun nanofiber mat for continuously high-efficiency solar desalination. <i>Chemosphere</i> , 2021, 280, 130719.	8.2	29
11	The infrared fingerprint signals of silica nanoparticles and its application in immunoassay. <i>Applied Physics Letters</i> , 2012, 100, 013701.	3.3	28
12	Ultra-facile and rapid colorimetric detection of Cu ²⁺ with branched polyethylenimine in 100% aqueous solution. <i>Analyst</i> , 2018, 143, 409-414.	3.5	28
13	Solvent-Induced Luminescence Variation of Upconversion Nanoparticles. <i>Langmuir</i> , 2016, 32, 13200-13206.	3.5	21
14	An off-on colorimetric and fluorometric assay for Cu(II) based on the use of NaYF ₄ :Yb(III),Er(III) upconversion nanoparticles functionalized with branched polyethylenimine. <i>Mikrochimica Acta</i> , 2018, 185, 211.	5.0	21
15	Magnetic-bead-based sub-femtomolar immunoassay using resonant Raman scattering signals of ZnS nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5013-5019.	3.7	18
16	Multifunctional NaYF ₄ :Yb,Er@PE ₃ @Fe ₃ O ₄ nanocomposites for magnetic-field-assisted upconversion imaging guided photothermal therapy of cancer cells. <i>Dalton Transactions</i> , 2019, 48, 12850-12857.	3.3	14
17	Ultrasensitive protein detection in terms of multiphonon resonance Raman scattering in ZnS nanocrystals. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	13
18	Magnetic Upconversion Luminescent Nanocomposites with Small Size and Strong Super-Paramagnetism: Polyelectrolyte-Mediated Multimagnetic-Beads Embedding. <i>ACS Applied Nano Materials</i> , 2018, 1, 145-151.	5.0	11

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19	Superhydrophobic-Superoleophilic SiO ₂ /Polystyrene Porous Micro/nanofibers for Efficient Oil-Water Separation. <i>Fibers and Polymers</i> , 2019, 20, 2017-2024.	2.1	10
20	Preparation of Gold/triblock Copolymer Composite Nanoparticles. <i>Journal of Nanoparticle Research</i> , 2000, 2, 381-385.	1.9	9
21	Resonance Raman scattering-infrared absorption dual-mode immunosensing for carcinoembryonic antigen based on ZnO@SiO ₂ nanocomposites. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111870.	10.1	9
22	Off-On-typed upconversion fluorescence resonance energy transfer probe for the determination of Cu ²⁺ in tap water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 271, 120920.	3.9	9
23	Upconversion luminescence-infrared absorption nanoprobe for the detection of prostate-specific antigen. <i>Mikrochimica Acta</i> , 2020, 187, 516.	5.0	7
24	Fluorescence-infrared absorption dual-mode nanoprobe based on carbon dots@SiO ₂ nanorods for ultrasensitive and reliable detection of carcinoembryonic antigen. <i>Talanta</i> , 2021, 230, 122342.	5.5	7
25	Emitter-Active Shell in NaYF ₄ :Yb,Er/NaYF ₄ :Er Upconversion Nanoparticles for Enhanced Energy Transfer in Photodynamic Therapy. <i>ACS Applied Nano Materials</i> , 2022, 5, 559-568.	5.0	7
26	Preparation and characterization of multifunctional Fe ₃ O ₄ /ZnO/SiO ₂ nanocomposites. <i>Journal of Alloys and Compounds</i> , 2012, 535, 91-94.	5.5	5
27	An infrared IgG immunoassay based on the use of a nanocomposite consisting of silica coated Fe ₃ O ₄ superparticles. <i>Mikrochimica Acta</i> , 2019, 186, 99.	5.0	5
28	Highly Efficient Imaging-Guided Photothermal Therapy for Gliomas with MnFe ₂ O ₄ Nanoparticle Clusters as a One-For-All Theranostic Agent. <i>ACS Applied Nano Materials</i> , 2021, 4, 4238-4244.	5.0	5
29	Improving acceptor efficacy rather than energy transfer efficiency: Dominant contribution of monomers of acceptors modified on upconversion nanoparticles. <i>Journal of Rare Earths</i> , 2022, 40, 702-708.	4.8	5
30	Recent Advances in Magnetic Upconversion Nanocomposites for Bioapplications. <i>Current Pharmaceutical Design</i> , 2019, 25, 2007-2015.	1.9	5
31	Detection of magnetic-labeled antibody specific recognition events by combined atomic force and magnetic force microscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 2607-2611.	2.3	4
32	Multiphonon Resonant Raman Scattering (MRRS) of Semiconductor Nanomaterials for Biodetection. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 9357-9367.	0.9	4
33	Dual-mode immunoassay based on shape code and infrared absorption fingerprint signals of silica nanorods. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4207-4213.	3.7	4
34	PREPARATION AND CHARACTERISTICS OF SANDWICHED POLYMER/MAGNETIC PARTICLES/POLYMER MAGNETIC NANOMICROSPHERES. <i>International Journal of Nanoscience</i> , 2002, 01, 701-705.	0.7	3
35	Fabrication of Fe ₃ O ₄ /ZnS nanocomposites towards ultrasensitive resonant Raman scattering-based immunoassays. <i>Materials Letters</i> , 2019, 253, 354-357.	2.6	3
36	Colorimetric determination of copper(II) by using branched-polyethylenimine droplet evaporation on a superhydrophilic-superhydrophobic micropatterned surface. <i>Mikrochimica Acta</i> , 2019, 186, 701.	5.0	3

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37	A dual-mode immunosensing strategy for prostate specific antigen detection: Integration of resonance Raman scattering and photoluminescence properties of ZnS:Mn ²⁺ nanoprobos. <i>Analytica Chimica Acta</i> , 2022, 1205, 339775.	5.4	1
38	PREPARATION AND CHARACTERISTICS OF SANDWICHED POLYMER/MAGNETIC PARTICLES/POLYMER MAGNETIC NANOMICROSPHERES. , 2003, , .		0
39	DNA stretching on super-aligned carbon nanotube films. , 2010, , .		0