

Jin Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

1,829
citations

346980

22
h-index

325983

40
g-index

67
all docs

67
docs citations

67
times ranked

3615
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced room-temperature magnetoresistance of hybrid graphene nanosheets produced by a laser-assisted process. <i>Journal of Materials Science</i> , 2022, 57, 5885-5893.	1.7	3
2	Lactoferrin and Its Detection Methods: A Review. <i>Nutrients</i> , 2021, 13, 2492.	1.7	40
3	Current Progress of Magnetoresistance Sensors. <i>Chemosensors</i> , 2021, 9, 211.	1.8	25
4	Design and Development of Nanomaterial-Based Drug Carriers to Overcome the Blood-Brain Barrier by Using Different Transport Mechanisms. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10118.	1.8	30
5	Hybrid Reduced Graphene Oxide with Special Magnetoresistance for Wireless Magnetic Field Sensor. <i>Nano-Micro Letters</i> , 2020, 12, 69.	14.4	22
6	Bioconjugation of aptamer to fluorescent trimethyl chitosan nanoparticles for bacterial detection. <i>Materials Letters</i> , 2020, 264, 127330.	1.3	8
7	Tunable Photoluminescence of Carbon Dots used for Homogeneous Glucose Sensing Assay. <i>Biochemical Engineering Journal</i> , 2020, 159, 107580.	1.8	8
8	Deposition of Antibody Modified Upconversion Nanoparticles on Glass by a Laser-Assisted Method to Improve the Performance of Cell Culture. <i>Nanoscale Research Letters</i> , 2019, 14, 101.	3.1	14
9	Graphene Oxide-Based Nanostructured DNA Sensor. <i>Biosensors</i> , 2019, 9, 74.	2.3	33
10	Self-illumination of Carbon Dots by Bioluminescence Resonance Energy Transfer. <i>Scientific Reports</i> , 2019, 9, 13796.	1.6	7
11	Development of biocompatible NaGdF ₄ : Er ³⁺ , Yb ³⁺ upconversion nanoparticles used as contrast agents for bioimaging. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 2678-2684.	0.9	17
12	Integration of Nanomaterials and Bioluminescence Resonance Energy Transfer Techniques for Sensing Biomolecules. <i>Biosensors</i> , 2019, 9, 42.	2.3	14
13	Deposition of YBCO nanoparticles on graphene nanosheets by using matrix-assisted pulsed laser evaporation. <i>Optics and Laser Technology</i> , 2019, 109, 465-469.	2.2	7
14	Biocompatible Protein (IgG) Modified Up-conversion Nanoparticles (NaGdF ₄ : Er ³⁺ , Yb ³⁺) for Sensitive and Selective Detection of Tumor Markers. <i>Sensors</i> , 2018, 18, 1440.	2.1	76
15	Fluorescent Nanobiosensors for Sensing Glucose. <i>Sensors</i> , 2018, 18, 1440.	2.1	76
16	Cellular interaction influenced by surface modification strategies of gelatin-based nanoparticles. <i>Journal of Biomaterials Applications</i> , 2017, 31, 1087-1096.	1.2	7
17	Special properties of luminescent magnetic NaGdF ₄ :Yb ³⁺ , Er ³⁺ upconversion nanocubes with surface modifications. <i>RSC Advances</i> , 2017, 7, 26770-26775.	1.7	17
18	Nanostructured biosensor for detecting glucose in tear by applying fluorescence resonance energy transfer quenching mechanism. <i>Biosensors and Bioelectronics</i> , 2017, 91, 393-399.	5.3	62

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19	Electrochemical and optical biosensors for early-stage cancer diagnosis by using graphene and graphene oxide. <i>Cancer Nanotechnology</i> , 2017, 8, 10.	1.9	42
20	Nanostructured biosensor using bioluminescence quenching technique for glucose detection. <i>Journal of Nanobiotechnology</i> , 2017, 15, 59.	4.2	9
21	Matrix-Assisted Pulsed Laser Evaporation (MAPLE) technique for deposition of hybrid nanostructures. <i>Frontiers in Nanoscience and Nanotechnology</i> , 2017, 3, .	0.3	22
22	Nanotechnology for Alzheimer Disease. <i>Current Alzheimer Research</i> , 2017, 14, 1182-1189.	0.7	41
23	Nanocomposited coatings produced by laser-assisted process to prevent silicone hydrogels from protein fouling and bacterial contamination. <i>Applied Surface Science</i> , 2016, 360, 383-388.	3.1	16
24	Deposition of a hydrophilic nanocomposite-based coating on silicone hydrogel through a laser process to minimize UV exposure and bacterial contamination. <i>RSC Advances</i> , 2016, 6, 67166-67172.	1.7	11
25	Nanostructured bioluminescent sensor for rapidly detecting thrombin. <i>Biosensors and Bioelectronics</i> , 2016, 77, 83-89.	5.3	28
26	Deposition of ZnO Nanocrystals on Fe ₃ O ₄ Nanocubes and Their Special Luminescent and Magnetic Properties. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 893-898.	1.2	1
27	Nanocomposited silicone hydrogels with a laser-assisted surface modification for inhibiting the growth of bacterial biofilm. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3234-3241.	2.9	9
28	Ag nanoparticles-decorated ZnO nanorod array on a mechanical flexible substrate with enhanced optical and antimicrobial properties. <i>Nanoscale Research Letters</i> , 2015, 10, 106.	3.1	59
29	Inorganic Nanoparticles: Engineering for Biomedical Applications. <i>IEEE Nanotechnology Magazine</i> , 2014, 8, 21-28.	0.9	8
30	NiCo nanoparticles-doped ZnO nano array and The Magnetic Properties. , 2014, , .		0
31	Nanocomposite coating produced by laser-assisted process to prevent bacterial contamination and protein fouling. , 2014, , .		2
32	Engineering large gelatin nanospheres coated with quantum dots for targeted delivery of human osteosarcoma with enhanced cellular internalization. , 2014, , .		1
33	Magnetic anisotropy induced in NiCo granular nanostructures by ZnO nanorods deposited on a polymer substrate. <i>RSC Advances</i> , 2014, 4, 47987-47991.	1.7	3
34	Development of Biocompatible and Proton-Resistant Quantum Dots Assembled on Gelatin Nanospheres. <i>Langmuir</i> , 2014, 30, 1893-1899.	1.6	13
35	Luminescent gelatin nanospheres by encapsulating CdSe quantum dots. <i>Luminescence</i> , 2014, 29, 74-78.	1.5	17
36	A nanocomposite contact lens for the delivery of hydrophilic protein drugs. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4388.	2.9	21

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37	Multifunctional nanoparticles for rapid bacterial capture, detection, and decontamination. RSC Advances, 2013, 3, 2390.	1.7	24
38	Harnessing a Nanostructured Fluorescence Energy Transfer Sensor for Quick Detection of Extremely Small Amounts of Glucose. Journal of Diabetes Science and Technology, 2013, 7, 45-52.	1.3	8
39	Development of Hydrophilic Iron Oxide Nanocubes. Science of Advanced Materials, 2012, 4, 859-862.	0.1	2
40	Tertiary Biomaterial Encapsulation Controls the Release of FGF-2 without Impacting Bioactivity. The Open Tissue Engineering and Regenerative Medicine Journal, 2012, 5, 43-49.	2.6	3
41	Bioconjugated Magnetic Nanoparticles for Rapid Capture of Gram-positive Bacteria. Journal of Biosensors & Bioelectronics, 2012, 01, .	0.4	12
42	Nanoencapsulation of Protein Drug for Controlled Release. , 2012, S11, .		5
43	Controlled release of stromal cell-derived factor-1 for enhanced progenitor response in ischemia. Journal of Controlled Release, 2011, 152, e216-e218.	4.8	7
44	NiCo films with perpendicular magnetization anisotropy deposited on dielectric substrate by using polyol process. Materials Letters, 2011, 65, 2944-2946.	1.3	3
45	One-pot synthesis and characterization of rhodamine derivative-loaded magnetic core-shell nanoparticles. Journal of Nanoparticle Research, 2011, 13, 1909-1916.	0.8	10
46	Dendritic cell internalization of foam-structured fluorescent mesoporous silica nanoparticles. Journal of Colloid and Interface Science, 2011, 353, 156-162.	5.0	17
47	Noninvasive Diagnostic Devices for Diabetes through Measuring Tear Glucose. Journal of Diabetes Science and Technology, 2011, 5, 166-172.	1.3	128
48	Surfactant Assisted Incorporation of Single-Walled Carbon Nanotubes into a Chitosan-Polyvinylpyrrolidone Polymer. Journal of Nanoengineering and Nanomanufacturing, 2011, 1, 320-324.	0.3	1
49	A stromal cell-derived factor-1 releasing matrix enhances the progenitor cell response and blood vessel growth in ischaemic skeletal muscle. , 2011, 22, 109-123.		61
50	Controlled Release of Acyclovir Through Bioengineered Corneal Implants with Silica Nanoparticle Carriers-!2009-08-29-!2010-01-05-!2010-03-18-!. The Open Tissue Engineering and Regenerative Medicine Journal, 2010, 3, 10-17.	2.6	25
51	Encapsulation of BSA within Gelatin Nanoparticles-laden Biopolymer Film. Materials Research Society Symposia Proceedings, 2009, 1237, 1.	0.1	2
52	In Situ Loading of Basic Fibroblast Growth Factor Within Porous Silica Nanoparticles for a Prolonged Release. Nanoscale Research Letters, 2009, 4, 1297-1302.	3.1	38
53	Nickel and cobalt nanoparticles produced by laser ablation of solids in organic solution. Materials Letters, 2008, 62, 1521-1524.	1.3	108
54	Local Release of Basic Fibroblast Growth Factor (bFGF) through Silica Nanoparticles-laden Biomimic Matrix. Materials Research Society Symposia Proceedings, 2008, 1132, 1.	0.1	0

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55	Novel alternatives to antibiotics: bacteriophages, bacterial cell wall hydrolases, and antimicrobial peptides. <i>Journal of Applied Microbiology</i> , 2007, 104, 070802123828004-???	1.4	217
56	Laser-Assisted Synthesis of Superparamagnetic Fe@Au Core-Shell Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 7122-7128.	1.2	134
57	Aqueous Interfacial Chemistry in the Catalyst Preparation of NiMo/Al ₂ O ₃ System by EDTA-Containing Impregnation. <i>Energy & Fuels</i> , 2006, 20, 1822-1827.	2.5	6
58	Design of Nanoparticles as Drug Carriers for Cancer Therapy. <i>Cancer Genomics and Proteomics</i> , 2006, 3, 147-157.	1.0	19
59	Synthesis of Metal Alloy Nanoparticles in Solution by Laser Irradiation of a Metal Powder Suspension. <i>Journal of Physical Chemistry B</i> , 2003, 107, 6920-6923.	1.2	87
60	Enhanced magnetization of nanostructured granular Ni/[Cu(II)-O] films. <i>Applied Physics Letters</i> , 2002, 80, 1028-1030.	1.5	10
61	Electroless polyol synthesis and properties of nanostructured Ni _x Co _{100-x} films. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 304-306, 194-199.	2.6	18
62	Electroless polyol deposition and magnetic properties of nanostructured Ni ₅₀ Co ₅₀ films. <i>Journal of Applied Physics</i> , 2000, 88, 2125-2129.	1.1	13
63	Magnetic and hardness properties of nanostructured Ni-Co films deposited by a nonaqueous electroless method. <i>Applied Physics Letters</i> , 1999, 74, 1889-1891.	1.5	46
64	The Effect of Membrane Charge on Gold Nanoparticle Synthesis via Surfactant Membranes. <i>Journal of Colloid and Interface Science</i> , 1999, 210, 73-85.	5.0	24
65	Micellar effects on the oxidative electrochemistry of lipophilic vitamin C derivatives. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998, , 905-910.	0.9	33
66	Deposition of YBCO Nanoparticles on Graphene Using Matrix-assisted Pulsed Laser Evaporation. , 0, , .		0