

Zhongdang Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

2,296
citations

279798

23
h-index

214800

47
g-index

57
all docs

57
docs citations

57
times ranked

4102
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineered exosomes for targeted co-delivery of miR-21 inhibitor and chemotherapeutics to reverse drug resistance in colon cancer. <i>Journal of Nanobiotechnology</i> , 2020, 18, 10.	9.1	380
2	Visualizing of the cellular uptake and intracellular trafficking of exosomes by live-cell microscopy. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 488-496.	2.6	377
3	The Immunomodulatory Functions of Mesenchymal Stromal/Stem Cells Mediated via Paracrine Activity. <i>Journal of Clinical Medicine</i> , 2019, 8, 1025.	2.4	203
4	Aberrant expression of serum miRNAs in schizophrenia. <i>Journal of Psychiatric Research</i> , 2012, 46, 198-204.	3.1	128
5	Assessing the survival of exogenous plant microRNA in mice. <i>Food Science and Nutrition</i> , 2014, 2, 380-388.	3.4	128
6	Recent achievements in exosomal biomarkers detection by nanomaterials-based optical biosensors - A review. <i>Analytica Chimica Acta</i> , 2020, 1114, 74-84.	5.4	88
7	Assessment of nanomaterial cytotoxicity with SOLiD sequencing-based microRNA expression profiling. <i>Biomaterials</i> , 2011, 32, 9021-9030.	11.4	64
8	Effects of Epidermal Growth Factor and Basic Fibroblast Growth Factor on the Proliferation and Osteogenic and Neural Differentiation of Adipose-Derived Stem Cells. <i>Cellular Reprogramming</i> , 2013, 15, 224-232.	0.9	55
9	MicroRNAs as participants in cytotoxicity of CdTe quantum dots in NIH/3T3 cells. <i>Biomaterials</i> , 2011, 32, 3807-3814.	11.4	54
10	Neuronally differentiated adipose-derived stem cells and aligned PHBV nanofiber nerve scaffolds promote sciatic nerve regeneration. <i>Biochemical and Biophysical Research Communications</i> , 2017, 489, 171-178.	2.1	53
11	Synthesis of uniform CdS nanowires in high yield and its single nanowire electrical property. <i>Journal of Solid State Chemistry</i> , 2009, 182, 2941-2945.	2.9	49
12	RuO ₂ /carbon nanotubes composites synthesized by microwave-assisted method for electrochemical supercapacitor. <i>Synthetic Metals</i> , 2009, 159, 158-161.	3.9	43
13	Colorectal cancer characterization and therapeutic target prediction based on microRNA expression profile. <i>Scientific Reports</i> , 2016, 6, 20616.	3.3	41
14	Delivery of miR-424-5p via Extracellular Vesicles Promotes the Apoptosis of MDA-MB-231 TNBC Cells in the Tumor Microenvironment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 844.	4.1	38
15	Exosomes Transfer Among Different Species Cells and Mediating miRNAs Delivery. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 4267-4274.	2.6	36
16	Electrochemical biosensor based on CdS nanostructure surfaces. <i>Journal of Colloid and Interface Science</i> , 2012, 366, 130-134.	9.4	35
17	The deposition of TiO ₂ thin films on self-assembly monolayers studied by X-ray photoelectron spectroscopy. <i>Applied Surface Science</i> , 1998, 125, 85-92.	6.1	30
18	Epithelial cell -derived microvesicles: A safe delivery platform of CRISPR/Cas9 conferring synergistic anti-tumor effect with sorafenib. <i>Experimental Cell Research</i> , 2020, 392, 112040.	2.6	30

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19	Large-scale synthesis of ZnSe nanoribbons on zinc substrate. <i>Journal of Crystal Growth</i> , 2009, 311, 3787-3791.	1.5	29
20	Enhanced Specificity of Multiplex Polymerase Chain Reaction via CdTe Quantum Dots. <i>Nanoscale Research Letters</i> , 2011, 6, 51.	5.7	27
21	A novel type of self-assembled nanoparticles as targeted gene carriers: an application for plasmid DNA and antimicroRNA oligonucleotide delivery. <i>International Journal of Nanomedicine</i> , 2016, 11, 399.	6.7	27
22	Formation of Ag ₂ S nanowires and Ag ₂ S/CdS heterostructures via simple solvothermal route. <i>Synthetic Metals</i> , 2011, 161, 1646-1650.	3.9	26
23	Reduced graphene oxide/gold nanoparticle aerogel for catalytic reduction of 4-nitrophenol. <i>RSC Advances</i> , 2016, 6, 64028-64038.	3.6	25
24	MicroRNA profiling analysis revealed different cellular senescence mechanisms in human mesenchymal stem cells derived from different origin. <i>Genomics</i> , 2017, 109, 147-157.	2.9	25
25	Controlled synthesis of NiS nanoparticle/CdS nanowire heterostructures via solution route and their optical properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013, 178, 109-116.	3.5	23
26	Integrated analysis of miRNA and mRNA expression data identifies multiple miRNAs regulatory networks for the tumorigenesis of colorectal cancer. <i>Gene</i> , 2018, 659, 44-51.	2.2	23
27	Synthesis of Ru/multiwalled carbon nanotubes by microemulsion for electrochemical supercapacitor. <i>Materials Research Bulletin</i> , 2008, 43, 2818-2824.	5.2	19
28	Comparative analysis of microRNA expression in human mesenchymal stem cells from umbilical cord and cord blood. <i>Genomics</i> , 2016, 107, 124-131.	2.9	19
29	Direct solution-phase synthesis of Se submicrotubes using Se powder as selenium source. <i>Materials Chemistry and Physics</i> , 2009, 114, 300-303.	4.0	18
30	Attaching Single Biomolecules Selectively to the Apex of AFM Tips for Measuring Specific Interactions. <i>Biophysical Journal</i> , 2005, 89, L31-L33.	0.5	17
31	Solution-based synthesis of ZnO nanoparticle/CdS nanowire heterostructure. <i>Journal of Alloys and Compounds</i> , 2011, 509, L239-L243.	5.5	16
32	Deep sequencing reveals complex mechanisms of microRNA deregulation in colorectal cancer. <i>International Journal of Oncology</i> , 2014, 45, 603-610.	3.3	16
33	Comparison in transcriptome and cytokine profiles of mesenchymal stem cells from human umbilical cord and cord blood. <i>Gene</i> , 2019, 696, 10-20.	2.2	15
34	Novel regrowth mechanism of CdS nanowire in hydrothermal synthesis. <i>New Journal of Chemistry</i> , 2011, 35, 299.	2.8	14
35	Comprehensive analysis of miRNAs expression profiles revealed potential key miRNA/mRNAs regulating colorectal cancer stem cell self-renewal. <i>Gene</i> , 2018, 656, 30-39.	2.2	13
36	Aberrant miRNA expression response to UV irradiation in human liver cancer cells. <i>Molecular Medicine Reports</i> , 2014, 9, 904-910.	2.4	12

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37	Solution-based synthesis of SnO ₂ nanoparticle/CdS nanowire heterostructures. <i>CrystEngComm</i> , 2011, 13, 4580.	2.6	11
38	Machine learning identifies 10 feature miRNAs for lung squamous cell carcinoma. <i>Gene</i> , 2020, 749, 144669.	2.2	11
39	New binding state useful for attachment of dye-molecules onto TiO ₂ surface. <i>Applied Surface Science</i> , 1998, 125, 217-220.	6.1	10
40	Rapid elongation of CdS nanowire at room temperature. <i>Solid State Sciences</i> , 2010, 12, 1507-1510.	3.2	10
41	Deep sequencing reveals complex mechanisms of microRNA regulation during retinoic acid-induced neuronal differentiation of mesenchymal stem cells. <i>Genomics</i> , 2017, 109, 302-311.	2.9	9
42	Gene co-expression network for analysis of plasma exosomal miRNAs in the elderly as markers of aging and cognitive decline. <i>PeerJ</i> , 2020, 8, e8318.	2.0	9
43	Microvesicles mediate sorafenib resistance in liver cancer cells through attenuating p53 and enhancing FOXM1 expression. <i>Life Sciences</i> , 2021, 271, 119149.	4.3	8
44	Synthesis of silver sulfide nanowires in ethylene glycol through a sacrificial templating route. <i>Inorganic Materials</i> , 2009, 45, 193-197.	0.8	7
45	Differences in the MicroRNA profiles of subcutaneous adipose-derived stem cells and omental adipose-derived stem cells. <i>Gene</i> , 2017, 625, 55-63.	2.2	7
46	Engineering of HN3 increases the tumor targeting specificity of exosomes and upgrade the anti-tumor effect of sorafenib on HuH-7 cells. <i>PeerJ</i> , 2020, 8, e9524.	2.0	6
47	Microvesicles “promising tiny players” of cancer stem cells targeted liver cancer treatments: The interesting interactions and therapeutic aspects. <i>Pharmacological Research</i> , 2021, 169, 105609.	7.1	4
48	Enrichment of cancer stem cells by cotton fiber. <i>RSC Advances</i> , 2016, 6, 23345-23353.	3.6	3
49	AFM STUDY OF THE EVOLUTION OF DOUBLE LAYER ON SiO_2 SURFACE AND SELF-ASSEMBLY MONOLAYER INDUCED BY THE POLARIZATION WITH DC VOLTAGES. <i>Surface Review and Letters</i> , 2009, 16, 87-92.	1.1	1
50	Age-Related Differences in the Effects of Masker Cuing on Releasing Chinese Speech From Informational Masking. <i>Frontiers in Psychology</i> , 2018, 9, 1922.	2.1	1
51	Improvement of signal-to-noise ratio in parallel neuron arrays with spatially nearest neighbor correlated noise. <i>PLoS ONE</i> , 2018, 13, e0200890.	2.5	1
52	Artificial antigen-presenting immunomagnetic beads for better enrichment and expansion of T lymphocytes from peripheral blood mononuclear cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 1649-1656.	3.2	1
53	Dynamics and Traffic for Transfecting Exogenous MicroRNA as Studied by Live-Cell Microscopy. <i>Journal of Biomedical Nanotechnology</i> , 2021, 17, 1647-1653.	1.1	1
54	One-dimensional nanowire assembly based on oriented polymer nanofibers. , 2011, , .		0

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55	Parallel assembly of CdS nanowires by blade-assisted method. , 2011, , .		0
56	Protein-Templated Assembly of CdS Nanowires on a Silicon Oxide Substrate. , 2012, , .		0
57	Atomic Force Microscopy Studies on Circular DNA Structural Changes by Vincristine and Aspirin. Methods in Molecular Biology, 2011, 736, 425-435.	0.9	0