

Gaoxing Su

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,902
citations

236925

25
h-index

254184

43
g-index

52
all docs

52
docs citations

52
times ranked

3451
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting cytotoxicity of binary pollutants towards a human cell panel in environmental water by experimentation and deep learning methods. <i>Chemosphere</i> , 2022, 287, 132324.	8.2	2
2	CRISPR-Cas12a-Based Aptasensor for On-Site and Highly Sensitive Detection of Microcystin-LR in Freshwater. <i>Environmental Science & Technology</i> , 2022, 56, 4101-4110.	10.0	24
3	Safety Assessment of 2D MXenes: In Vitro and In Vivo. <i>Nanomaterials</i> , 2022, 12, 828.	4.1	23
4	P53-MDM2 interaction monitoring and inhibitors potency evaluation based on CRISPR-Cas12a sensing platform. <i>Sensors and Actuators B: Chemical</i> , 2022, 361, 131710.	7.8	1
5	Reverse Transcription Recombinase Polymerase Amplification Coupled with CRISPR-Cas12a for Facile and Highly Sensitive Colorimetric SARS-CoV-2 Detection. <i>Analytical Chemistry</i> , 2021, 93, 4126-4133.	6.5	160
6	In vivo Protein Corona Formation: Characterizations, Effects on Engineered Nanoparticles'™ Biobehaviors, and Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 646708.	4.1	46
7	Cytotoxicity Induction by the Oxidative Reactivity of Nanoparticles Revealed by a Combinatorial GNP Library with Diverse Redox Properties. <i>Molecules</i> , 2021, 26, 3630.	3.8	3
8	Pretreatment with metformin prevents <sc>microcystinâ€LR</sc>â€induced tau hyperphosphorylation via <sc>mTOR</sc>â€dependent <sc>PP2A</sc> and <sc>GSK</sc>â€3â€ activation. <i>Environmental Toxicology</i> , 2021, 36, 2414-2425.	4.0	6
9	Protein corona pre-coating on redox-responsive chitosan-based nano-carriers for improving the therapeutic effect of nucleic acid drugs. <i>Carbohydrate Polymers</i> , 2021, 265, 118071.	10.2	25
10	Recent Advances in Nanomedicine for the Diagnosis and Therapy of Liver Fibrosis. <i>Nanomaterials</i> , 2020, 10, 1945.	4.1	24
11	Fluorescence resonance energy transfer-based DNA framework assembled split G-quadruplex nanodevices for microRNA sensing. <i>Chemical Communications</i> , 2020, 56, 13583-13586.	4.1	9
12	Engineering of exosome-triggered enzyme-powered DNA motors for highly sensitive fluorescence detection of tumor-derived exosomes. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112482.	10.1	55
13	Editorial: Nano-Bio Interactions: Ecotoxicology and Cytotoxicity of Nanomaterials. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 918.	4.1	0
14	Regulating Protein Corona Formation and Dynamic Protein Exchange by Controlling Nanoparticle Hydrophobicity. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 210.	4.1	64
15	Crossing Biological Barriers by Engineered Nanoparticles. <i>Chemical Research in Toxicology</i> , 2020, 33, 1055-1060.	3.3	38
16	Single nucleotide variant discrimination by toehold exchange spherical nucleic acids modulated on hierarchical molybdenum disulfide acanthospheres. <i>Chemical Communications</i> , 2020, 56, 8599-8602.	4.1	3
17	Facile Construction of i-Motif DNA-Conjugated Gold Nanostars as Near-Infrared and pH Dual-Responsive Targeted Drug Delivery Systems for Combined Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2020, 17, 1127-1138.	4.6	28
18	Mesoporous silica-coated gold nanostars with drug payload for combined chemo-photothermal cancer therapy. <i>Journal of Drug Targeting</i> , 2019, 27, 201-210.	4.4	24

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19	Engineering of Porous Silica Coated Gold Nanorods by Surface-Protected Etching and Their Applications in Drug Loading and Combined Cancer Therapy. <i>Langmuir</i> , 2019, 35, 14238-14247.	3.5	15
20	Non-small cell lung cancer-targeted, redox-sensitive lipid-polymer hybrid nanoparticles for the delivery of a second-generation irreversible epidermal growth factor inhibitor "Afatinib: In vitro and in vivo evaluation. <i>Biomedicine and Pharmacotherapy</i> , 2019, 120, 109493.	5.6	34
21	Dynamic split G-quadruplex programmed reversible nanodevice. <i>Chemical Communications</i> , 2019, 55, 389-392.	4.1	17
22	Remote Induction of Cell Autophagy by 2D MoS ₂ Nanosheets via Perturbing Cell Surface Receptors and mTOR Pathway from Outside of Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6829-6839.	8.0	30
23	Rattle-Type Gold Nanorods/Porous-SiO ₂ Nanocomposites as Near-Infrared Light-Activated Drug Delivery Systems for Cancer Combined Chemo "Photothermal Therapy. <i>Molecular Pharmaceutics</i> , 2019, 16, 1929-1938.	4.6	30
24	Small Molecules as PD-1/PD-L1 Pathway Modulators for Cancer Immunotherapy. <i>Current Pharmaceutical Design</i> , 2019, 24, 4911-4920.	1.9	27
25	Programming a split G-quadruplex in a DNA nanocage and its microRNA imaging in live cells. <i>Chemical Communications</i> , 2019, 55, 5131-5134.	4.1	7
26	Ultrafine particle libraries for exploring mechanisms of PM2.5-induced toxicity in human cells. <i>Ecotoxicology and Environmental Safety</i> , 2018, 157, 380-387.	6.0	37
27	Co(III) complexes based on $\hat{\pm}$ -N-heterocyclic thiosemicarbazone ligands: DNA binding, DNA cleavage, and topoisomerase I/II inhibitory activity studies. <i>Journal of Molecular Structure</i> , 2018, 1167, 33-43.	3.6	22
28	A multifunctional nanoparticle constructed with a detachable albumin outer shell and a redox-sensitive inner core for efficient siRNA delivery to hepatocellular carcinoma cells. <i>Journal of Drug Targeting</i> , 2018, 26, 941-954.	4.4	9
29	Evaluation of DNA binding and DNA cleavage of nickel(II) complexes with tridentate $\hat{\pm}$ -N-heterocyclic thiosemicarbazones ligands. <i>Inorganica Chimica Acta</i> , 2018, 471, 194-202.	2.4	25
30	Effects of Protein Corona on Active and Passive Targeting of Cyclic RGD Peptide-Functionalized PEGylation Nanoparticles. <i>Molecular Pharmaceutics</i> , 2018, 15, 5019-5030.	4.6	67
31	Bio-Inspired Protein-Based Nanoformulations for Cancer Theranostics. <i>Frontiers in Pharmacology</i> , 2018, 9, 421.	3.5	68
32	PD-1/PD-L1 Inhibitors for Immuno-oncology: From Antibodies to Small Molecules. <i>Current Pharmaceutical Design</i> , 2018, 23, 6033-6041.	1.9	41
33	Elucidation of the Molecular Determinants for Optimal Perfluorooctanesulfonate Adsorption Using a Combinatorial Nanoparticle Library Approach. <i>Environmental Science & Technology</i> , 2017, 51, 7120-7127.	10.0	8
34	Controlled deposition of palladium nanodendrites on the tips of gold nanorods and their enhanced catalytic activity. <i>Nanoscale</i> , 2017, 9, 12494-12502.	5.6	35
35	Proximity hybridization-mediated isothermal exponential amplification for ultrasensitive electrochemical protein detection. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 5903-5914.	6.7	10
36	Targeted Delivery of siRNA with pH-Responsive Hybrid Gold Nanostars for Cancer Treatment. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2029.	4.1	30

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37	Size-Dependent Facilitation of Cancer Cell Targeting by Proteins Adsorbed on Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 30037-30047.	8.0	29
38	Computer-aided design of carbon nanotubes with the desired bioactivity and safety profiles. Nanotoxicology, 2016, 10, 374-383.	3.0	29
39	Fabrication of Gold Nanorods with Tunable Longitudinal Surface Plasmon Resonance Peaks by Reductive Dopamine. Langmuir, 2015, 31, 817-823.	3.5	134
40	Synergistic action by multi-targeting compounds produces a potent compound combination for human NSCLC both in vitro and in vivo. Cell Death and Disease, 2014, 5, e1138-e1138.	6.3	16
41	Anti-tumor selectivity of a novel Tubulin and HSP90 dual-targeting inhibitor in non-small cell lung cancer models. Biochemical Pharmacology, 2013, 86, 351-360.	4.4	32
42	Enhanced cancer cell killing by a targeting gold nanoconstruct with doxorubicin payload under X-ray irradiation. RSC Advances, 2013, 3, 21596.	3.6	13
43	Nanocombinatorial Chemistry in Nanomaterial Discovery and Nanomedicine. Acta Chimica Sinica, 2013, 71, 493.	1.4	1
44	Effective Surface Charge Density Determines the Electrostatic Attraction between Nanoparticles and Cells. Journal of Physical Chemistry C, 2012, 116, 4993-4998.	3.1	75
45	Size-Dependent Cell Uptake of Protein-Coated Graphene Oxide Nanosheets. ACS Applied Materials & Interfaces, 2012, 4, 2259-2266.	8.0	331
46	Accelerating the Multifunctionalization of Therapeutic Nanoparticles by Using a Multicomponent Reaction. Chemistry - A European Journal, 2012, 18, 5501-5505.	3.3	9
47	Leading Neuroblastoma Cells To Die by Multiple Premeditated Attacks from a Multifunctionalized Nanoconstruct. Journal of the American Chemical Society, 2011, 133, 13918-13921.	13.7	30
48	Nanoparticle-based strategies for detection and remediation of environmental pollutants. Analyst, The, 2011, 136, 872.	3.5	98
49	Nano-Combinatorial Chemistry Strategy for Nanotechnology Research. ACS Combinatorial Science, 2010, 12, 215-221.	3.3	20
50	Microwave-Assisted Fluorous Synthesis of a 1,4-Benzodiazepine-2,5-dione Library. ACS Combinatorial Science, 2009, 11, 1083-1093.	3.3	38