Xiaoyuan Ji

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2357269/publications.pdf

Version: 2024-02-01

58	6,890	87888	133252
papers	citations	38 h-index	59 g-index

59	59	59	8347
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Homotypic targeting of immunomodulatory nanoparticles for enhanced peripheral and central immunity. Cell Proliferation, 2022, 55, e13192.	5.3	5
2	Heterojunction Nanomedicine. Advanced Science, 2022, 9, e2105747.	11.2	51
3	Proteinâ€Mimicking Nanoparticles in Biosystems. Advanced Materials, 2022, 34, e2201562.	21.0	17
4	Lâ€Seâ€methylselenocysteine sensitizes lung carcinoma to chemotherapy. Cell Proliferation, 2021, 54, e13038.	5.3	10
5	Epigenetic Remodeling Hydrogel Patches for Multidrugâ€Resistant Tripleâ€Negative Breast Cancer. Advanced Materials, 2021, 33, e2100949.	21.0	61
6	The Emergence and Evolution of Borophene. Advanced Science, 2021, 8, 2001801.	11.2	98
7	Protein-Mimicking Nanoparticles for a Cellular Regulation of Homeostasis. ACS Applied Materials & Interfaces, 2021, 13, 31331-31336.	8.0	19
8	Arsenene-mediated multiple independently targeted reactive oxygen species burst for cancer therapy. Nature Communications, 2021, 12, 4777.	12.8	144
9	Piezo-photocatalytic effect mediating reactive oxygen species burst for cancer catalytic therapy. Materials Horizons, 2021, 8, 2273-2285.	12.2	38
10	Zâ€Scheme Heterojunction Functionalized Pyrite Nanosheets for Modulating Tumor Microenvironment and Strengthening Photo/Chemodynamic Therapeutic Effects. Advanced Functional Materials, 2020, 30, 1906466.	14.9	89
11	An antimonene/Cp*Rh(phen)Cl/black phosphorus hybrid nanosheet-based Z-scheme artificial photosynthesis for enhanced photo/bio-catalytic CO₂ reduction. Journal of Materials Chemistry A, 2020, 8, 323-333.	10.3	71
12	ROS-Mediated Selective Killing Effect of Black Phosphorus: Mechanistic Understanding and Its Guidance for Safe Biomedical Applications. Nano Letters, 2020, 20, 3943-3955.	9.1	158
13	Two-dimensional highly oxidized ilmenite nanosheets equipped with Z-scheme heterojunction for regulating tumor microenvironment and enhancing reactive oxygen species generation. Chemical Engineering Journal, 2020, 390, 124524.	12.7	32
14	Phosphorus Science-Oriented Design and Synthesis of Multifunctional Nanomaterials for Biomedical Applications. Matter, 2020, 2, 297-322.	10.0	165
15	Dual-response oxygen-generating MnO2 nanoparticles with polydopamine modification for combined photothermal-photodynamic therapy. Chemical Engineering Journal, 2020, 389, 124494.	12.7	166
16	Boron-based nanosheets for combined cancer photothermal and photodynamic therapy. Journal of Materials Chemistry B, 2020, 8, 4609-4619.	5.8	22
17	Synthesis of Ultrathin Biotite Nanosheets as an Intelligent Theranostic Platform for Combination Cancer Therapy. Advanced Science, 2019, 6, 1901211.	11.2	130
18	SnTe@MnO₂â€SP Nanosheetâ€“Based Intelligent Nanoplatform for Second Nearâ€Infrared Lightâ€“Mediated Cancer Theranostics. Advanced Functional Materials, 2019, 29, 1903791.	14.9	69

#	Article	IF	Citations
19	Emerging Twoâ€Dimensional Nanomaterials for Cancer Therapy. ChemPhysChem, 2019, 20, 2417-2433.	2.1	24
20	2D Monoelemental Germanene Quantum Dots: Synthesis as Robust Photothermal Agents for Photonic Cancer Nanomedicine. Angewandte Chemie - International Edition, 2019, 58, 13405-13410.	13.8	102
21	Controllable silicon nanostructures featuring stable fluorescence and intrinsic in vitro and in vivo anti-cancer activity. Journal of Materials Chemistry B, 2019, 7, 6247-6256.	5.8	3
22	Emerging two-dimensional monoelemental materials (Xenes) for biomedical applications. Chemical Society Reviews, 2019, 48, 2891-2912.	38.1	482
23	Synthetic mRNA nanoparticle-mediated restoration of p53 tumor suppressor sensitizes p53 -deficient cancers to mTOR inhibition. Science Translational Medicine, 2019, 11, .	12.4	177
24	Comprehensive insights into intracellular fate of WS₂ nanosheets for enhanced photothermal therapeutic outcomes via exocytosis inhibition. Nanophotonics, 2019, 8, 2331-2346.	6.0	16
25	Intracellular Mechanistic Understanding of 2D MoS₂ Nanosheets for Anti-Exocytosis-Enhanced Synergistic Cancer Therapy. ACS Nano, 2018, 12, 2922-2938.	14.6	188
26	Traditional Chinese medicine molecule-assisted chemical synthesis of fluorescent anti-cancer silicon nanoparticles. Nano Research, 2018, 11, 5629-5641.	10.4	16
27	Graphene Oxide and Polyelectrolyte Composed One-Way Expressway for Guiding Electron Transfer of Integrated Artificial Photosynthesis. ACS Sustainable Chemistry and Engineering, 2018, 6, 3060-3069.	6.7	15
28	Engineering Multifunctional RNAi Nanomedicine To Concurrently Target Cancer Hallmarks for Combinatorial Therapy. Angewandte Chemie - International Edition, 2018, 57, 1510-1513.	13.8	168
29	Porphyrin/SiO₂/Cp*Rh(bpy)Cl Hybrid Nanoparticles Mimicking Chloroplast with Enhanced Electronic Energy Transfer for Biocatalyzed Artificial Photosynthesis. Advanced Functional Materials, 2018, 28, 1705083.	14.9	45
30	Enhanced Solar Energy Harvest and Electron Transfer through Intra- and Intermolecular Dual Channels in Chlorosome-Mimicking Supramolecular Self-Assemblies. ACS Catalysis, 2018, 8, 10732-10745.	11.2	26
31	Sandwiching multiple dehydrogenases and shared cofactor between double polyelectrolytes for enhanced communication of cofactor and enzymes. Biochemical Engineering Journal, 2018, 137, 40-49.	3.6	10
32	Twoâ€Dimensional Antimoneneâ€Based Photonic Nanomedicine for Cancer Theranostics. Advanced Materials, 2018, 30, e1802061.	21.0	314
33	A Novel Topâ€Down Synthesis of Ultrathin 2D Boron Nanosheets for Multimodal Imagingâ€Guided Cancer Therapy. Advanced Materials, 2018, 30, e1803031.	21.0	318
34	Biocompatible protamine sulfate@silicon nanoparticle-based gene nanocarriers featuring strong and stable fluorescence. Nanoscale, 2018, 10, 14455-14463.	5.6	16
35	Silicon Nanomaterials for Biosensing and Bioimaging Analysis. Frontiers in Chemistry, 2018, 6, 38.	3.6	80
36	Polydopamineâ€Modified Black Phosphorous Nanocapsule with Enhanced Stability and Photothermal Performance for Tumor Multimodal Treatments. Advanced Science, 2018, 5, 1800510.	11.2	460

#	Article	IF	Citations
37	WS₂/g-C₃N₄ composite as an efficient heterojunction photocatalyst for biocatalyzed artificial photosynthesis. RSC Advances, 2018, 8, 20557-20567.	3.6	42
38	Integration of functionalized two-dimensional TaS₂ nanosheets and an electron mediator for more efficient biocatalyzed artificial photosynthesis. Journal of Materials Chemistry A, 2017, 5, 5511-5522.	10.3	38
39	Regulation of enzyme activity and stability through positional interaction with polyurethane nanofibers. Biochemical Engineering Journal, 2017, 121, 147-155.	3.6	13
40	Tumor Microenvironment-Responsive Multistaged Nanoplatform for Systemic RNAi and Cancer Therapy. Nano Letters, 2017, 17, 4427-4435.	9.1	119
41	Comprehensive Insights into the Multi-Antioxidative Mechanisms of Melanin Nanoparticles and Their Application To Protect Brain from Injury in Ischemic Stroke. Journal of the American Chemical Society, 2017, 139, 856-862.	13.7	404
42	Fluorescent Silicon Nanorods-Based Ratiometric Sensors for Long-Term and Real-Time Measurements of Intracellular pH in Live Cells. Analytical Chemistry, 2017, 89, 12152-12159.	6.5	51
43	Tantalum Sulfide Nanosheets as a Theranostic Nanoplatform for Computed Tomography Imagingâ€Guided Combinatorial Chemoâ€Photothermal Therapy. Advanced Functional Materials, 2017, 27, 1703261.	14.9	89
44	ROSâ€Responsive Polyprodrug Nanoparticles for Triggered Drug Delivery and Effective Cancer Therapy. Advanced Materials, 2017, 29, 1700141.	21.0	370
45	Black Phosphorus Nanosheets as a Robust Delivery Platform for Cancer Theranostics. Advanced Materials, 2017, 29, 1603276.	21.0	721
46	Surface De-PEGylation Controls Nanoparticle-Mediated siRNA Delivery In Vitro and In Vivo. Theranostics, 2017, 7, 1990-2002.	10.0	81
47	Integration of Artificial Photosynthesis System for Enhanced Electronic Energyâ€Transfer Efficacy: A Case Study for Solarâ€Energy Driven Bioconversion of Carbon Dioxide to Methanol. Small, 2016, 12, 4753-4762.	10.0	70
48	TiO₂â€“Horseradish Peroxidase Hybrid Catalyst Based on Hollow Nanofibers for Simultaneous Photochemicalâ€“Enzymatic Degradation of 2,4-Dichlorophenol. ACS Sustainable Chemistry and Engineering, 2016, 4, 3634-3640.	6.7	27
49	Peptide-Conjugated Fluorescent Silicon Nanoparticles Enabling Simultaneous Tracking and Specific Destruction of Cancer Cells. Analytical Chemistry, 2015, 87, 6718-6723.	6.5	71
50	Tethering of Nicotinamide Adenine Dinucleotide Inside Hollow Nanofibers for High-Yield Synthesis of Methanol from Carbon Dioxide Catalyzed by Coencapsulated Multienzymes. ACS Nano, 2015, 9, 4600-4610.	14.6	142
51	Biomimetic Preparation and Dual-Color Bioimaging of Fluorescent Silicon Nanoparticles. Journal of the American Chemical Society, 2015, 137, 14726-14732.	13.7	111
52	Highly Fluorescent, Photostable, and Ultrasmall Silicon Drug Nanocarriers for Longâ€Term Tumor Cell Tracking and Inâ€Vivo Cancer Therapy. Advanced Materials, 2015, 27, 1029-1034.	21.0	105
53	Polyelectrolyte Doped Hollow Nanofibers for Positional Assembly of Bienzyme System for Cascade Reaction at O/W Interface. ACS Catalysis, 2014, 4, 4548-4559.	11.2	35
54	â€œReady-to-useâ€•hollow nanofiber membrane-based glucose testing strips. Analyst, The, 2014, 139, 6467-6473.	3.5	41

#	Article	IF	Citations
55	Enabling multi-enzyme biocatalysis using coaxial-electrospun hollow nanofibers: redesign of artificial cells. Journal of Materials Chemistry B, 2014, 2, 181-190.	5.8	64
56	Doxorubicin-loaded silicon nanowires for the treatment of drug-resistant cancer cells. Biomaterials, 2014, 35, 5188-5195.	11.4	64
57	Magnetic field intensified bi-enzyme system with in situ cofactor regeneration supported by magnetic nanoparticles. Journal of Biotechnology, 2013, 168, 212-217.	3.8	33
58	Large-Scale Aqueous Synthesis of Fluorescent and Biocompatible Silicon Nanoparticles and Their Use as Highly Photostable Biological Probes. Journal of the American Chemical Society, 2013, 135, 8350-8356.	13.7	386