

Xiaoyuan Ji

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68 papers	5,254 citations	34 h-index	72 g-index
72 ext. papers	6,717 ext. citations	13.3 avg, IF	5.97 L-index

#	Paper	IF	Citations
68	Heterojunction Nanomedicine.. <i>Advanced Science</i> , 2022 , e2105747	13.6	8
67	Heterojunction engineered bioactive chlorella for cascade promoted cancer therapy.. <i>Journal of Controlled Release</i> , 2022 , 345, 755-769	11.7	5
66	Two-Dimensional Nanomaterial-based catalytic Medicine: Theories, advanced catalyst and system design.. <i>Advanced Drug Delivery Reviews</i> , 2022 , 184, 114241	18.5	5
65	Design of a two-dimensional interplanar heterojunction for catalytic cancer therapy.. <i>Nature Communications</i> , 2022 , 13, 2425	17.4	11
64	Cryogenic Exfoliation of 2D Stanene Nanosheets for Cancer Theranostics. <i>Nano-Micro Letters</i> , 2021 , 13, 90	19.5	22
63	The Emergence and Evolution of Borophene. <i>Advanced Science</i> , 2021 , 8, 2001801	13.6	19
62	Antimonene Nanosheets-Based Z-Scheme Heterostructure with Enhanced Reactive Oxygen Species Generation and Photothermal Conversion Efficiency for Photonic Therapy of Cancer. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001835	10.1	14
61	Stanene-Based Nanosheets for Ælemene Delivery and Ultrasound-Mediated Combination Cancer Therapy. <i>Angewandte Chemie</i> , 2021 , 133, 7231-7240	3.6	9
60	Capturing functional two-dimensional nanosheets from sandwich-structure vermiculite for cancer theranostics. <i>Nature Communications</i> , 2021 , 12, 1124	17.4	97
59	Titelbild: Stanene-Based Nanosheets for Ælemene Delivery and Ultrasound-Mediated Combination Cancer Therapy (Angew. Chem. 13/2021). <i>Angewandte Chemie</i> , 2021 , 133, 6905-6905	3.6	
58	Stanene-Based Nanosheets for Ælemene Delivery and Ultrasound-Mediated Combination Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7155-7164	16.4	53
57	Renal-Clearable Ultrasmall Polypyrrole Nanoparticles with Size-Regulated Property for Second Near-Infrared Light-Mediated Photothermal Therapy. <i>Advanced Functional Materials</i> , 2021 , 31, 2008362	15.6	25
56	Arsenene-mediated multiple independently targeted reactive oxygen species burst for cancer therapy. <i>Nature Communications</i> , 2021 , 12, 4777	17.4	50
55	Piezo-photocatalytic effect mediating reactive oxygen species burst for cancer catalytic therapy. <i>Materials Horizons</i> , 2021 , 8, 2273-2285	14.4	10
54	Germanene-Based Theranostic Materials for Surgical Adjuvant Treatment: Inhibiting Tumor Recurrence and Wound Infection. <i>Matter</i> , 2020 , 3, 127-144	12.7	112
53	Magnetic nanoparticles coated with polyphenols for spatio-temporally controlled cancer photothermal/immunotherapy. <i>Journal of Controlled Release</i> , 2020 , 326, 131-139	11.7	57
52	Marriage of black phosphorus and Cu as effective photothermal agents for PET-guided combination cancer therapy. <i>Nature Communications</i> , 2020 , 11, 2778	17.4	121

51	ROS-Mediated Selective Killing Effect of Black Phosphorus: Mechanistic Understanding and Its Guidance for Safe Biomedical Applications. <i>Nano Letters</i> , 2020 , 20, 3943-3955	11.5	97
50	Two-dimensional highly oxidized ilmenite nanosheets equipped with Z-scheme heterojunction for regulating tumor microenvironment and enhancing reactive oxygen species generation. <i>Chemical Engineering Journal</i> , 2020 , 390, 124524	14.7	20
49	Phosphorus Science-Oriented Design and Synthesis of Multifunctional Nanomaterials for Biomedical Applications. <i>Matter</i> , 2020 , 2, 297-322	12.7	104
48	Dual-response oxygen-generating MnO ₂ nanoparticles with polydopamine modification for combined photothermal-photodynamic therapy. <i>Chemical Engineering Journal</i> , 2020 , 389, 124494	14.7	82
47	Boron-based nanosheets for combined cancer photothermal and photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 4609-4619	7.3	17
46	An antimonene/Cp*Rh(phen)Cl/black phosphorus hybrid nanosheet-based Z-scheme artificial photosynthesis for enhanced photo/bio-catalytic CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 323-333	13	46
45	Positional assembly of multi-enzyme cascade reaction in polyelectrolyte doped microcapsule through electrospray and layer-by-layer assembly. <i>Synthetic and Systems Biotechnology</i> , 2020 , 5, 206-213 ^{4.2}		7
44	In situ sprayed NIR-responsive, analgesic black phosphorus-based gel for diabetic ulcer treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 28667-28677 ^{11.5}		123
43	Z-Scheme Heterojunction Functionalized Pyrite Nanosheets for Modulating Tumor Microenvironment and Strengthening Photo/Chemodynamic Therapeutic Effects. <i>Advanced Functional Materials</i> , 2020 , 30, 1906466	15.6	63
42	Emerging two-dimensional monoelemental materials (Xenes) for biomedical applications. <i>Chemical Society Reviews</i> , 2019 , 48, 2891-2912	58.5	345
41	Synthesis of Ultrathin Biotite Nanosheets as an Intelligent Theranostic Platform for Combination Cancer Therapy. <i>Advanced Science</i> , 2019 , 6, 1901211	13.6	99
40	2D Monoelemental Germanene Quantum Dots: Synthesis as Robust Photothermal Agents for Photonic Cancer Nanomedicine. <i>Angewandte Chemie</i> , 2019 , 131, 13539-13544	3.6	29
39	SnTe@MnO ₂ -SP Nanosheet-Based Intelligent Nanoplatfor for Second Near-Infrared Light-Mediated Cancer Theranostics. <i>Advanced Functional Materials</i> , 2019 , 29, 1903791	15.6	47
38	Emerging Two-Dimensional Nanomaterials for Cancer Therapy. <i>ChemPhysChem</i> , 2019 , 20, 2417-2433	3.2	15
37	2D Monoelemental Germanene Quantum Dots: Synthesis as Robust Photothermal Agents for Photonic Cancer Nanomedicine. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13405-13410	16.4	75
36	2D Black Mica Nanosheets: Synthesis of Ultrathin Biotite Nanosheets as an Intelligent Theranostic Platform for Combination Cancer Therapy (Adv. Sci. 19/2019). <i>Advanced Science</i> , 2019 , 6, 1970118	13.6	0
35	Synthetic mRNA nanoparticle-mediated restoration of p53 tumor suppressor sensitizes -deficient cancers to mTOR inhibition. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	92
34	Comprehensive insights into intracellular fate of WS ₂ nanosheets for enhanced photothermal therapeutic outcomes via exocytosis inhibition. <i>Nanophotonics</i> , 2019 , 8, 2331-2346	6.3	10

33	Artificial Photosynthesis: Porphyrin/SiO ₂ /Cp*Rh(bpy)Cl Hybrid Nanoparticles Mimicking Chloroplast with Enhanced Electronic Energy Transfer for Biocatalyzed Artificial Photosynthesis (Adv. Funct. Mater. 9/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870061	15.6	1
32	Intracellular Mechanistic Understanding of 2D MoS Nanosheets for Anti-Exocytosis-Enhanced Synergistic Cancer Therapy. <i>ACS Nano</i> , 2018 , 12, 2922-2938	16.7	145
31	Graphene Oxide and Polyelectrolyte Composed One-Way Expressway for Guiding Electron Transfer of Integrated Artificial Photosynthesis. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 3060-3069	8.3	9
30	Engineering Multifunctional RNAi Nanomedicine To Concurrently Target Cancer Hallmarks for Combinatorial Therapy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1510-1513	16.4	117
29	Engineering Multifunctional RNAi Nanomedicine To Concurrently Target Cancer Hallmarks for Combinatorial Therapy. <i>Angewandte Chemie</i> , 2018 , 130, 1526-1529	3.6	20
28	Two-Dimensional Antimonene-Based Photonic Nanomedicine for Cancer Theranostics. <i>Advanced Materials</i> , 2018 , 30, e1802061	24	260
27	A Novel Top-Down Synthesis of Ultrathin 2D Boron Nanosheets for Multimodal Imaging-Guided Cancer Therapy. <i>Advanced Materials</i> , 2018 , 30, e1803031	24	254
26	Polydopamine-Modified Black Phosphorous Nanocapsule with Enhanced Stability and Photothermal Performance for Tumor Multimodal Treatments. <i>Advanced Science</i> , 2018 , 5, 1800510	13.6	303
25	WS/g-CN composite as an efficient heterojunction photocatalyst for biocatalyzed artificial photosynthesis.. <i>RSC Advances</i> , 2018 , 8, 20557-20567	3.7	29
24	Porphyrin/SiO ₂ /Cp*Rh(bpy)Cl Hybrid Nanoparticles Mimicking Chloroplast with Enhanced Electronic Energy Transfer for Biocatalyzed Artificial Photosynthesis. <i>Advanced Functional Materials</i> , 2018 , 28, 1705083	15.6	31
23	Cancer Theranostics: Two-Dimensional Antimonene-Based Photonic Nanomedicine for Cancer Theranostics (Adv. Mater. 38/2018). <i>Advanced Materials</i> , 2018 , 30, 1870283	24	3
22	Enhanced Solar Energy Harvest and Electron Transfer through Intra- and Intermolecular Dual Channels in Chlorosome-Mimicking Supramolecular Self-Assemblies. <i>ACS Catalysis</i> , 2018 , 8, 10732-10745 ^{13.1}	13.1	15
21	Cancer Theranostics: A Novel Top-Down Synthesis of Ultrathin 2D Boron Nanosheets for Multimodal Imaging-Guided Cancer Therapy (Adv. Mater. 36/2018). <i>Advanced Materials</i> , 2018 , 30, 1870268 ²⁴	24	3
20	Sandwiching multiple dehydrogenases and shared cofactor between double polyelectrolytes for enhanced communication of cofactor and enzymes. <i>Biochemical Engineering Journal</i> , 2018 , 137, 40-49	4.2	9
19	Black Phosphorus: Black Phosphorus Nanosheets as a Robust Delivery Platform for Cancer Theranostics (Adv. Mater. 1/2017). <i>Advanced Materials</i> , 2017 , 29,	24	9
18	Integration of functionalized two-dimensional TaS ₂ nanosheets and an electron mediator for more efficient biocatalyzed artificial photosynthesis. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5511-5522	13	28
17	Regulation of enzyme activity and stability through positional interaction with polyurethane nanofibers. <i>Biochemical Engineering Journal</i> , 2017 , 121, 147-155	4.2	12
16	Antimonene Quantum Dots: Synthesis and Application as Near-Infrared Photothermal Agents for Effective Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11896-11900	16.4	391

15	Tumor Microenvironment-Responsive Multistaged Nanoplatfom for Systemic RNAi and Cancer Therapy. <i>Nano Letters</i> , 2017 , 17, 4427-4435	11.5	104
14	Antimonene Quantum Dots: Synthesis and Application as Near-Infrared Photothermal Agents for Effective Cancer Therapy. <i>Angewandte Chemie</i> , 2017 , 129, 12058-12062	3.6	78
13	Comprehensive Insights into the Multi-Antioxidative Mechanisms of Melanin Nanoparticles and Their Application To Protect Brain from Injury in Ischemic Stroke. <i>Journal of the American Chemical Society</i> , 2017 , 139, 856-862	16.4	254
12	Surface De-PEGylation Controls Nanoparticle-Mediated siRNA Delivery and. <i>Theranostics</i> , 2017 , 7, 1990-2002	20.2	47
11	Tantalum Sulfide Nanosheets as a Theranostic Nanoplatfom for Computed Tomography Imaging-Guided Combinatorial Chemo-Photothermal Therapy. <i>Advanced Functional Materials</i> , 2017 , 27, 1703261	15.6	69
10	ROS-Responsive Polyprodrug Nanoparticles for Triggered Drug Delivery and Effective Cancer Therapy. <i>Advanced Materials</i> , 2017 , 29, 1700141	24	281
9	Innentitelbild: Antimonene Quantum Dots: Synthesis and Application as Near-Infrared Photothermal Agents for Effective Cancer Therapy (Angew. Chem. 39/2017). <i>Angewandte Chemie</i> , 2017 , 129, 11816-11816	3.6	
8	Black Phosphorus Nanosheets as a Robust Delivery Platform for Cancer Theranostics. <i>Advanced Materials</i> , 2017 , 29, 1603276	24	546
7	TiO ₂ /Horseradish Peroxidase Hybrid Catalyst Based on Hollow Nanofibers for Simultaneous Photochemical/Enzymatic Degradation of 2,4-Dichlorophenol. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 3634-3640	8.3	22
6	Integration of Artificial Photosynthesis System for Enhanced Electronic Energy-Transfer Efficacy: A Case Study for Solar-Energy Driven Bioconversion of Carbon Dioxide to Methanol. <i>Small</i> , 2016 , 12, 4753-62	11	50
5	Tethering of nicotinamide adenine dinucleotide inside hollow nanofibers for high-yield synthesis of methanol from carbon dioxide catalyzed by coencapsulated multienzymes. <i>ACS Nano</i> , 2015 , 9, 4600-10	16.7	110
4	Polyelectrolyte Doped Hollow Nanofibers for Positional Assembly of Bienzyme System for Cascade Reaction at O/W Interface. <i>ACS Catalysis</i> , 2014 , 4, 4548-4559	13.1	31
3	"Ready-to-use" hollow nanofiber membrane-based glucose testing strips. <i>Analyst, The</i> , 2014 , 139, 6467-73	7.3	35
2	Enabling multi-enzyme biocatalysis using coaxial-electrospun hollow nanofibers: redesign of artificial cells. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 181-190	7.3	59
1	Magnetic field intensified bi-enzyme system with in situ cofactor regeneration supported by magnetic nanoparticles. <i>Journal of Biotechnology</i> , 2013 , 168, 212-7	3.7	24