## List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A Two-Dimensional Biodegradable Niobium Carbide (MXene) for Photothermal Tumor Eradication in NIR-I and NIR-II Biowindows. Journal of the American Chemical Society, 2017, 139, 16235-16247.	13.7	1,026
2	Two-Dimensional Ultrathin MXene Ceramic Nanosheets for Photothermal Conversion. Nano Letters, 2017, 17, 384-391.	9.1	953
3	Discovery of a Cytokine and Its Receptor by Functional Screening of the Extracellular Proteome. Science, 2008, 320, 807-811.	12.6	678
4	Nanoparticle-triggered <i>in situ</i> catalytic chemical reactions for tumour-specific therapy. Chemical Society Reviews, 2018, 47, 1938-1958.	38.1	616
5	Metalloporphyrin-Encapsulated Biodegradable Nanosystems for Highly Efficient Magnetic Resonance Imaging-Guided Sonodynamic Cancer Therapy. Journal of the American Chemical Society, 2017, 139, 1275-1284.	13.7	535
6	Nanocatalytic Tumor Therapy by Biomimetic Dual Inorganic Nanozymeâ€Catalyzed Cascade Reaction. Advanced Science, 2019, 6, 1801733.	11.2	454
7	MXene/Polymer Membranes: Synthesis, Properties, and Emerging Applications. Chemistry of Materials, 2020, 32, 1703-1747.	6.7	429
8	Theranostic 2D Tantalum Carbide (MXene). Advanced Materials, 2018, 30, 1703284.	21.0	422
9	Insights into 2D MXenes for Versatile Biomedical Applications: Current Advances and Challenges Ahead. Advanced Science, 2018, 5, 1800518.	11.2	397
10	Oxygen-Deficient Black Titania for Synergistic/Enhanced Sonodynamic and Photoinduced Cancer Therapy at Near Infrared-II Biowindow. ACS Nano, 2018, 12, 4545-4555.	14.6	361
11	Two-Dimensional Tantalum Carbide (MXenes) Composite Nanosheets for Multiple Imaging-Guided Photothermal Tumor Ablation. ACS Nano, 2017, 11, 12696-12712.	14.6	350
12	Role for piRNAs and Noncoding RNA in de Novo DNA Methylation of the Imprinted Mouse <i>Rasgrf1</i> Locus. Science, 2011, 332, 848-852.	12.6	341
13	2D Ultrathin MXeneâ€Based Drugâ€Delivery Nanoplatform for Synergistic Photothermal Ablation and Chemotherapy of Cancer. Advanced Healthcare Materials, 2018, 7, e1701394.	7.6	316
14	Biocompatible 2D Titanium Carbide (MXenes) Composite Nanosheets for pH-Responsive MRI-Guided Tumor Hyperthermia. Chemistry of Materials, 2017, 29, 8637-8652.	6.7	285
15	Enhanced Tumor-Specific Disulfiram Chemotherapy by <i>In Situ</i> Cu <sup>2+</sup> Chelation-Initiated Nontoxicity-to-Toxicity Transition. Journal of the American Chemical Society, 2019, 141, 11531-11539.	13.7	237
16	Bioinspired Copper Singleâ€Atom Catalysts for Tumor Parallel Catalytic Therapy. Advanced Materials, 2020, 32, e2002246.	21.0	230
17	2D Superparamagnetic Tantalum Carbide Composite MXenes for Efficient Breast-Cancer Theranostics. Theranostics, 2018, 8, 1648-1664.	10.0	185
18	Surface Nanopore Engineering of 2D MXenes for Targeted and Synergistic Multitherapies of Hepatocellular Carcinoma. Advanced Materials, 2018, 30, e1706981.	21.0	182

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19	Molecularly organic/inorganic hybrid hollow mesoporous organosilica nanocapsules with tumor-specific biodegradability and enhanced chemotherapeutic functionality. Biomaterials, 2017, 125, 23-37.	11.4	178
20	Theranostic 2D ultrathin MnO2 nanosheets with fast responsibility to endogenous tumor microenvironment and exogenous NIR irradiation. Biomaterials, 2018, 155, 54-63.	11.4	169
21	Highly Catalytic Niobium Carbide (MXene) Promotes Hematopoietic Recovery after Radiation by Free Radical Scavenging. ACS Nano, 2019, 13, 6438-6454.	14.6	160
22	Therapeutic mesopore construction on 2D Nb <sub>2</sub> C MXenes for targeted and enhanced chemo-photothermal cancer therapy in NIR-II biowindow. Theranostics, 2018, 8, 4491-4508.	10.0	158
23	A nonferrous ferroptosis-like strategy for antioxidant inhibition–synergized nanocatalytic tumor therapeutics. Science Advances, 2021, 7, eabj8833.	10.3	147
24	Mitochondriaâ€Targeted Artificial "Nanoâ€RBCs―for Amplified Synergistic Cancer Phototherapy by a Single NIR Irradiation. Advanced Science, 2018, 5, 1800049.	11.2	138
25	Niobium Carbide MXene Augmented Medical Implant Elicits Bacterial Infection Elimination and Tissue Regeneration. ACS Nano, 2021, 15, 1086-1099.	14.6	135
26	Synergistic Sonodynamic/Chemotherapeutic Suppression of Hepatocellular Carcinoma by Targeted Biodegradable Mesoporous Nanosonosensitizers. Advanced Functional Materials, 2018, 28, 1800145.	14.9	131
27	Ultrasmall mesoporous organosilica nanoparticles: Morphology modulations and redox-responsive biodegradability for tumor-specific drug delivery. Biomaterials, 2018, 161, 292-305.	11.4	127
28	Inorganic Nanoshell-Stabilized Liquid Metal for Targeted Photonanomedicine in NIR-II Biowindow. Nano Letters, 2019, 19, 2128-2137.	9.1	127
29	Hypoxia-Irrelevant Photonic Thermodynamic Cancer Nanomedicine. ACS Nano, 2019, 13, 2223-2235.	14.6	115
30	A polyoxometalate-functionalized two-dimensional titanium carbide composite MXene for effective cancer theranostics. Nano Research, 2018, 11, 4149-4168.	10.4	112
31	Silicene: Wet hemical Exfoliation Synthesis and Biodegradable Tumor Nanomedicine. Advanced Materials, 2019, 31, e1903013.	21.0	112
32	2D magnetic titanium carbide MXene for cancer theranostics. Journal of Materials Chemistry B, 2018, 6, 3541-3548.	5.8	99
33	Functional nanomaterials in peripheral nerve regeneration: Scaffold design, chemical principles and microenvironmental remodeling. Materials Today, 2021, 51, 165-187.	14.2	87
34	Magnetostrictive-Piezoelectric-Triggered Nanocatalytic Tumor Therapy. Nano Letters, 2021, 21, 6764-6772.	9.1	75
35	Triggering Sequential Catalytic Fenton Reaction on 2D MXenes for Hyperthermia-Augmented Synergistic Nanocatalytic Cancer Therapy. ACS Applied Materials & Interfaces, 2019, 11, 42917-42931.	8.0	74
36	Two-dimensional titanium carbide MXenes as efficient non-noble metal electrocatalysts for oxygen reduction reaction. Science China Materials, 2019, 62, 662-670.	6.3	74

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37	Singleâ€Atom Catalysts for Nanocatalytic Tumor Therapy. Small, 2021, 17, e2004467.	10.0	72
38	Borophene and Boron Fullerene Materials in Hydrogen Storage: Opportunities and Challenges. ChemSusChem, 2020, 13, 3754-3765.	6.8	62
39	Nanomedicineâ€Enabled Photonic Thermogaseous Cancer Therapy. Advanced Science, 2020, 7, 1901954.	11.2	59
40	Self-evolved hydrogen peroxide boosts photothermal-promoted tumor-specific nanocatalytic therapy. Journal of Materials Chemistry B, 2019, 7, 3599-3609.	5.8	58
41	Photonic cancer nanomedicine using the near infrared-II biowindow enabled by biocompatible titanium nitride nanoplatforms. Nanoscale Horizons, 2019, 4, 415-425.	8.0	57
42	Two-dimensional silicene composite nanosheets enable exogenous/endogenous-responsive and synergistic hyperthermia-augmented catalytic tumor theranostics. Biomaterials, 2020, 256, 120206.	11.4	55
43	Photonic/magnetic hyperthermia-synergistic nanocatalytic cancer therapy enabled by zero-valence iron nanocatalysts. Biomaterials, 2019, 219, 119374.	11.4	54
44	A two-dimensional MXene potentiates a therapeutic microneedle patch for photonic implantable medicine in the second NIR biowindow. Nanoscale, 2020, 12, 10265-10276.	5.6	47
45	Microbiotic nanomedicine for tumor-specific chemotherapy-synergized innate/adaptive antitumor immunity. Nano Today, 2022, 42, 101377.	11.9	46
46	Magnesiumâ€Engineered Silica Framework for pHâ€Accelerated Biodegradation and DNAzymeâ€Triggered Chemotherapy. Small, 2018, 14, e1800708.	10.0	41
47	Biomimetic Nanomedicine-Triggered <i>in Situ</i> Vaccination for Innate and Adaptive Immunity Activations for Bacterial Osteomyelitis Treatment. ACS Nano, 2022, 16, 5943-5960.	14.6	38
48	Engineering two-dimensional silicene composite nanosheets for dual-sensitized and photonic hyperthermia-augmented cancer radiotherapy. Biomaterials, 2021, 269, 120455.	11.4	36
49	HEPATIC TOLERANCE TO HYPOTENSION AS ASSESSED BY THE CHANGES IN ARTERIAL KETONE BODY RATIO IN THE STATE OF BRAIN DEATH. Transplantation, 1989, 47, 444-448.	1.0	31
50	Freestanding germanene nanosheets for rapid degradation and photothermal conversion. Materials Today Nano, 2021, 15, 100119.	4.6	29
51	Transitional Metalâ€Based Noncatalytic Medicine for Tumor Therapy. Advanced Healthcare Materials, 2021, 10, e2001819.	7.6	28
52	"Stepwise Extraction―strategy-based injectable bioresponsive composite implant for cancer theranostics. Biomaterials, 2018, 166, 38-51.	11.4	26
53	Hydrogen-bonded silicene nanosheets of engineered bandgap and selective degradability for photodynamic therapy. Biomaterials, 2021, 278, 121172.	11.4	21
54	Multifunctional Mesoporous Silica Nanoprobes: Material Chemistry–Based Fabrication and Bioâ€Imaging Functionality. Advanced Therapeutics, 2018, 1, 1800078.	3.2	20

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55	Potentiated cytosolic drug delivery and photonic hyperthermia by 2D free-standing silicene nanosheets for tumor nanomedicine. Nanoscale, 2020, 12, 17931-17946.	5.6	20
56	Emerging two-dimensional silicene nanosheets for biomedical applications. Materials Today Nano, 2021, 16, 100132.	4.6	19
57	Bridging oxidase catalysis and oxygen reduction electrocatalysis by model single-atom catalysts. National Science Review, 2022, 9, .	9.5	19
58	Local delivery and controlled release of miR-34a loaded in hydroxyapatite/mesoporous organosilica nanoparticles composite-coated implant wire to accelerate bone fracture healing. Biomaterials, 2022, 280, 121300.	11.4	18
59	Water-Enabled H <sub>2</sub> Generation from Hydrogenated Silicon Nanosheets for Efficient Anti-Inflammation. Journal of the American Chemical Society, 2022, 144, 14195-14206.	13.7	18
60	JTEâ€013 supplementation improves erectile dysfunction in rats with streptozotocinâ€induced type â diabetes through the inhibition of the rhoâ€kinase pathway, fibrosis, and apoptosis. Andrology, 2020, 8, 497-508.	3.5	17
61	<i>In situ</i> phase-changeable 2D MXene/zein bio-injection for shear wave elastography-guided tumor ablation in NIR-II bio-window. Journal of Materials Chemistry B, 2020, 8, 5257-5266.	5.8	16
62	Antiâ€Infective Application of Grapheneâ€Like Silicon Nanosheets via Membrane Destruction. Advanced Healthcare Materials, 2020, 9, e1901375.	7.6	14
63	Perioperative Assessment of Older Surgical Patients using a Frailty Index—Feasibility and Association with Adverse Postoperative Outcomes. Anaesthesia and Intensive Care, 2017, 45, 676-682.	0.7	11
64	Engineering 2D Arsenicâ€Phosphorus Theranostic Nanosheets. Advanced Functional Materials, 2021, 31, 2101660.	14.9	11
65	Starvation-Sensitized and Oxygenation-Promoted Tumor Sonodynamic Therapy by a Cascade Enzymatic Approach. Research, 2021, 2021, 9769867.	5.7	11
66	Reversible potassium-ion alloying storage in crystalline silicene. Chemical Engineering Journal, 2022, 435, 134961.	12.7	11
67	Responses of the working rat heart to carbon monoxide. Physiology and Behavior, 1989, 46, 81-84.	2.1	9
68	Permucosal implantation pilot study with HA-coated dental implant in dogs. Biomaterials, 1992, 13, 825-831.	11.4	9
69	Emerging two-dimensional material nanozymes for theranostic nanomedicine. Biophysics Reports, 2021, 7, 159-172.	0.8	5
70	Hepatic functional difference between brain death hypotension and hypovolemic hypotension in liver donation. Transplantation Proceedings, 1989, 21, 2389-91.	0.6	5
71	Determination of trace elements in bone crusts of rabbit during healing after fracture by INAA. Journal of Radioanalytical and Nuclear Chemistry, 1988, 127, 275-282.	1.5	4
72	Treatment and prognosis of pituitary adenomas in children. Journal of Huazhong University of Science and Technology [Medical Sciences], 2006, 26, 93-95.	1.0	1

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73	HSP90 pathway in intermediate mononuclear cells causes plaque erosion via induction of neutrophil hyper-responsiveness. European Heart Journal, 2021, 42, .	2.2	1