

Han Lin

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

11,229
citations

57631

44
h-index

76769

74
g-index

74
all docs

74
docs citations

74
times ranked

10101
citing authors

#	ARTICLE	IF	CITATIONS
1	Local delivery and controlled release of miR-34a loaded in hydroxyapatite/mesoporous organosilica nanoparticles composite-coated implant wire to accelerate bone fracture healing. <i>Biomaterials</i> , 2022, 280, 121300.	5.7	18
2	Microbiotic nanomedicine for tumor-specific chemotherapy-synergized innate/adaptive antitumor immunity. <i>Nano Today</i> , 2022, 42, 101377.	6.2	46
3	Reversible potassium-ion alloying storage in crystalline silicene. <i>Chemical Engineering Journal</i> , 2022, 435, 134961.	6.6	11
4	Bridging oxidase catalysis and oxygen reduction electrocatalysis by model single-atom catalysts. <i>National Science Review</i> , 2022, 9, .	4.6	19
5	Biomimetic Nanomedicine-Triggered <i>in Situ</i> Vaccination for Innate and Adaptive Immunity Activations for Bacterial Osteomyelitis Treatment. <i>ACS Nano</i> , 2022, 16, 5943-5960.	7.3	38
6	Water-Enabled H ₂ Generation from Hydrogenated Silicon Nanosheets for Efficient Anti-Inflammation. <i>Journal of the American Chemical Society</i> , 2022, 144, 14195-14206.	6.6	18
7	Engineering two-dimensional silicene composite nanosheets for dual-sensitized and photonic hyperthermia-augmented cancer radiotherapy. <i>Biomaterials</i> , 2021, 269, 120455.	5.7	36
8	Emerging two-dimensional material nanozymes for theranostic nanomedicine. <i>Biophysics Reports</i> , 2021, 7, 159-172.	0.2	5
9	Transitional Metal-Based Noncatalytic Medicine for Tumor Therapy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001819.	3.9	28
10	Engineering 2D Arsenic-Phosphorus Theranostic Nanosheets. <i>Advanced Functional Materials</i> , 2021, 31, 2101660.	7.8	11
11	Starvation-Sensitized and Oxygenation-Promoted Tumor Sonodynamic Therapy by a Cascade Enzymatic Approach. <i>Research</i> , 2021, 2021, 9769867.	2.8	11
12	Freestanding germanene nanosheets for rapid degradation and photothermal conversion. <i>Materials Today Nano</i> , 2021, 15, 100119.	2.3	29
13	Magnetostrictive-Piezoelectric-Triggered Nanocatalytic Tumor Therapy. <i>Nano Letters</i> , 2021, 21, 6764-6772.	4.5	75
14	A nonferrous ferroptosis-like strategy for antioxidant inhibition-synergized nanocatalytic tumor therapeutics. <i>Science Advances</i> , 2021, 7, eabj8833.	4.7	147
15	Emerging two-dimensional silicene nanosheets for biomedical applications. <i>Materials Today Nano</i> , 2021, 16, 100132.	2.3	19
16	Single-Atom Catalysts for Nanocatalytic Tumor Therapy. <i>Small</i> , 2021, 17, e2004467.	5.2	72
17	Niobium Carbide MXene Augmented Medical Implant Elicits Bacterial Infection Elimination and Tissue Regeneration. <i>ACS Nano</i> , 2021, 15, 1086-1099.	7.3	135
18	Functional nanomaterials in peripheral nerve regeneration: Scaffold design, chemical principles and microenvironmental remodeling. <i>Materials Today</i> , 2021, 51, 165-187.	8.3	87

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19	Hydrogen-bonded silicene nanosheets of engineered bandgap and selective degradability for photodynamic therapy. <i>Biomaterials</i> , 2021, 278, 121172.	5.7	21
20	HSP90 pathway in intermediate mononuclear cells causes plaque erosion via induction of neutrophil hyper-responsiveness. <i>European Heart Journal</i> , 2021, 42, .	1.0	1
21	JTEâ€œ13 supplementation improves erectile dysfunction in rats with streptozotocinâ€œinduced type â€œ diabetes through the inhibition of the rhoâ€œkinase pathway, fibrosis, and apoptosis. <i>Andrology</i> , 2020, 8, 497-508.	1.9	17
22	Antiâ€œinfective Application of Grapheneâ€œLike Silicon Nanosheets via Membrane Destruction. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901375.	3.9	14
23	Nanomedicineâ€œEnabled Photonic Thermogaseous Cancer Therapy. <i>Advanced Science</i> , 2020, 7, 1901954.	5.6	59
24	Bioinspired Copper Singleâ€œAtom Catalysts for Tumor Parallel Catalytic Therapy. <i>Advanced Materials</i> , 2020, 32, e2002246.	11.1	230
25	Potentiated cytosolic drug delivery and photonic hyperthermia by 2D free-standing silicene nanosheets for tumor nanomedicine. <i>Nanoscale</i> , 2020, 12, 17931-17946.	2.8	20
26	Two-dimensional silicene composite nanosheets enable exogenous/endogenous-responsive and synergistic hyperthermia-augmented catalytic tumor theranostics. <i>Biomaterials</i> , 2020, 256, 120206.	5.7	55
27	MXene/Polymer Membranes: Synthesis, Properties, and Emerging Applications. <i>Chemistry of Materials</i> , 2020, 32, 1703-1747.	3.2	429
28	Borophene and Boron Fullerene Materials in Hydrogen Storage: Opportunities and Challenges. <i>ChemSusChem</i> , 2020, 13, 3754-3765.	3.6	62
29	A two-dimensional MXene potentiates a therapeutic microneedle patch for photonic implantable medicine in the second NIR biowindow. <i>Nanoscale</i> , 2020, 12, 10265-10276.	2.8	47
30	<i>In situ</i> phase-changeable 2D MXene/zein bio-injection for shear wave elastography-guided tumor ablation in NIR-II bio-window. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5257-5266.	2.9	16
31	Photonic/magnetic hyperthermia-synergistic nanocatalytic cancer therapy enabled by zero-valence iron nanocatalysts. <i>Biomaterials</i> , 2019, 219, 119374.	5.7	54
32	Silicene: Wetâ€œChemical Exfoliation Synthesis and Biodegradable Tumor Nanomedicine. <i>Advanced Materials</i> , 2019, 31, e1903013.	11.1	112
33	Enhanced Tumor-Specific Disulfiram Chemotherapy by <i>In Situ</i> Cu ²⁺ Chelation-Initiated Nontoxicity-to-Toxicity Transition. <i>Journal of the American Chemical Society</i> , 2019, 141, 11531-11539.	6.6	237
34	Triggering Sequential Catalytic Fenton Reaction on 2D MXenes for Hyperthermia-Augmented Synergistic Nanocatalytic Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42917-42931.	4.0	74
35	Photonic cancer nanomedicine using the near infrared-II biowindow enabled by biocompatible titanium nitride nanoplatfoms. <i>Nanoscale Horizons</i> , 2019, 4, 415-425.	4.1	57
36	Highly Catalytic Niobium Carbide (MXene) Promotes Hematopoietic Recovery after Radiation by Free Radical Scavenging. <i>ACS Nano</i> , 2019, 13, 6438-6454.	7.3	160

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37	Self-evolved hydrogen peroxide boosts photothermal-promoted tumor-specific nanocatalytic therapy. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3599-3609.	2.9	58
38	Inorganic Nanoshell-Stabilized Liquid Metal for Targeted Photonanomedicine in NIR-II Biowindow. <i>Nano Letters</i> , 2019, 19, 2128-2137.	4.5	127
39	Two-dimensional titanium carbide MXenes as efficient non-noble metal electrocatalysts for oxygen reduction reaction. <i>Science China Materials</i> , 2019, 62, 662-670.	3.5	74
40	Nanocatalytic Tumor Therapy by Biomimetic Dual Inorganic Nanozyme-Catalyzed Cascade Reaction. <i>Advanced Science</i> , 2019, 6, 1801733.	5.6	454
41	Hypoxia-Irrelevant Photonic Thermodynamic Cancer Nanomedicine. <i>ACS Nano</i> , 2019, 13, 2223-2235.	7.3	115
42	A polyoxometalate-functionalized two-dimensional titanium carbide composite MXene for effective cancer theranostics. <i>Nano Research</i> , 2018, 11, 4149-4168.	5.8	112
43	Stepwise Extraction-strategy-based injectable bioresponsive composite implant for cancer theranostics. <i>Biomaterials</i> , 2018, 166, 38-51.	5.7	26
44	2D magnetic titanium carbide MXene for cancer theranostics. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3541-3548.	2.9	99
45	Ultrasmall mesoporous organosilica nanoparticles: Morphology modulations and redox-responsive biodegradability for tumor-specific drug delivery. <i>Biomaterials</i> , 2018, 161, 292-305.	5.7	127
46	2D Ultrathin MXene-Based Drug Delivery Nanoplatform for Synergistic Photothermal Ablation and Chemotherapy of Cancer. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701394.	3.9	316
47	Nanoparticle-triggered <i>in situ</i> catalytic chemical reactions for tumour-specific therapy. <i>Chemical Society Reviews</i> , 2018, 47, 1938-1958.	18.7	616
48	Oxygen-Deficient Black Titania for Synergistic/Enhanced Sonodynamic and Photoinduced Cancer Therapy at Near Infrared-II Biowindow. <i>ACS Nano</i> , 2018, 12, 4545-4555.	7.3	361
49	Theranostic 2D Tantalum Carbide (MXene). <i>Advanced Materials</i> , 2018, 30, 1703284.	11.1	422
50	Theranostic 2D ultrathin MnO ₂ nanosheets with fast responsibility to endogenous tumor microenvironment and exogenous NIR irradiation. <i>Biomaterials</i> , 2018, 155, 54-63.	5.7	169
51	Therapeutic mesopore construction on 2D Nb ₂ C MXenes for targeted and enhanced chemo-photothermal cancer therapy in NIR-II biowindow. <i>Theranostics</i> , 2018, 8, 4491-4508.	4.6	158
52	Mitochondria-Targeted Artificial Nano-RBCs for Amplified Synergistic Cancer Phototherapy by a Single NIR Irradiation. <i>Advanced Science</i> , 2018, 5, 1800049.	5.6	138
53	Multifunctional Mesoporous Silica Nanoprobes: Material Chemistry-Based Fabrication and Bioimaging Functionality. <i>Advanced Therapeutics</i> , 2018, 1, 1800078.	1.6	20
54	Surface Nanopore Engineering of 2D MXenes for Targeted and Synergistic Multitherapies of Hepatocellular Carcinoma. <i>Advanced Materials</i> , 2018, 30, e1706981.	11.1	182

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55	Insights into 2D MXenes for Versatile Biomedical Applications: Current Advances and Challenges Ahead. <i>Advanced Science</i> , 2018, 5, 1800518.	5.6	397
56	2D Superparamagnetic Tantalum Carbide Composite MXenes for Efficient Breast-Cancer Theranostics. <i>Theranostics</i> , 2018, 8, 1648-1664.	4.6	185
57	Magnesium-Engineered Silica Framework for pH-Accelerated Biodegradation and DNase-Triggered Chemotherapy. <i>Small</i> , 2018, 14, e1800708.	5.2	41
58	Synergistic Sonodynamic/Chemotherapeutic Suppression of Hepatocellular Carcinoma by Targeted Biodegradable Mesoporous Nanosensitizers. <i>Advanced Functional Materials</i> , 2018, 28, 1800145.	7.8	131
59	Molecularly organic/inorganic hybrid hollow mesoporous organosilica nanocapsules with tumor-specific biodegradability and enhanced chemotherapeutic functionality. <i>Biomaterials</i> , 2017, 125, 23-37.	5.7	178
60	Metalloporphyrin-Encapsulated Biodegradable Nanosystems for Highly Efficient Magnetic Resonance Imaging-Guided Sonodynamic Cancer Therapy. <i>Journal of the American Chemical Society</i> , 2017, 139, 1275-1284.	6.6	535
61	Two-Dimensional Ultrathin MXene Ceramic Nanosheets for Photothermal Conversion. <i>Nano Letters</i> , 2017, 17, 384-391.	4.5	953
62	A Two-Dimensional Biodegradable Niobium Carbide (MXene) for Photothermal Tumor Eradication in NIR-I and NIR-II Biowindows. <i>Journal of the American Chemical Society</i> , 2017, 139, 16235-16247.	6.6	1,026
63	Biocompatible 2D Titanium Carbide (MXenes) Composite Nanosheets for pH-Responsive MRI-Guided Tumor Hyperthermia. <i>Chemistry of Materials</i> , 2017, 29, 8637-8652.	3.2	285
64	Two-Dimensional Tantalum Carbide (MXenes) Composite Nanosheets for Multiple Imaging-Guided Photothermal Tumor Ablation. <i>ACS Nano</i> , 2017, 11, 12696-12712.	7.3	350
65	Perioperative Assessment of Older Surgical Patients using a Frailty Index—Feasibility and Association with Adverse Postoperative Outcomes. <i>Anaesthesia and Intensive Care</i> , 2017, 45, 676-682.	0.2	11
66	Role for piRNAs and Noncoding RNA in de Novo DNA Methylation of the Imprinted Mouse <i>Rasgrf1</i> Locus. <i>Science</i> , 2011, 332, 848-852.	6.0	341
67	Discovery of a Cytokine and Its Receptor by Functional Screening of the Extracellular Proteome. <i>Science</i> , 2008, 320, 807-811.	6.0	678
68	Treatment and prognosis of pituitary adenomas in children. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2006, 26, 93-95.	1.0	1
69	Per mucosal implantation pilot study with HA-coated dental implant in dogs. <i>Biomaterials</i> , 1992, 13, 825-831.	5.7	9
70	Responses of the working rat heart to carbon monoxide. <i>Physiology and Behavior</i> , 1989, 46, 81-84.	1.0	9
71	HEPATIC TOLERANCE TO HYPOTENSION AS ASSESSED BY THE CHANGES IN ARTERIAL KETONE BODY RATIO IN THE STATE OF BRAIN DEATH. <i>Transplantation</i> , 1989, 47, 444-448.	0.5	31
72	Hepatic functional difference between brain death hypotension and hypovolemic hypotension in liver donation. <i>Transplantation Proceedings</i> , 1989, 21, 2389-91.	0.3	5

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73	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.	0.7	4