Han Lin

List of Publications by Year in Descending Order

68 papers	6,943 citations	34 h-index	74 g-index
74 ext. papers	9,045 ext. citations	13.3 avg, IF	6.58 L-index

#	Paper	IF	Citations
68	Reversible potassium-ion alloying storage in crystalline silicene. *Chemical Engineering Journal*, **2022**, 435, 134961	14.7	3
67	Microbiotic nanomedicine for tumor-specific chemotherapy-synergized innate/adaptive antitumor immunity. *Nano Today*, **2022**, 42, 101377	17.9	7
66	Local delivery and controlled release of miR-34a loaded in hydroxyapatite/mesoporous organosilica nanoparticles composite-coated implant wire to accelerate bone fracture healing.. *Biomaterials*, **2021**, 280, 121300	15.6	1
65	Functional nanomaterials in peripheral nerve regeneration: Scaffold design, chemical principles and microenvironmental remodeling. *Materials Today*, **2021**, 51, 165-165	21.8	20
64	Hydrogen-bonded silicene nanosheets of engineered bandgap and selective degradability for photodynamic therapy. *Biomaterials*, **2021**, 278, 121172	15.6	9
63	Niobium Carbide MXene Augmented Medical Implant Elicits Bacterial Infection Elimination and Tissue Regeneration. *ACS Nano*, **2021**, 15, 1086-1099	16.7	47
62	Transitional Metal-Based Noncatalytic Medicine for Tumor Therapy. *Advanced Healthcare Materials*, **2021**, 10, e2001819	10.1	11
61	Engineering 2D Arsenic-Phosphorus Theranostic Nanosheets. *Advanced Functional Materials*, **2021**, 31, 2101660	15.6	3
60	Starvation-Sensitized and Oxygenation-Promoted Tumor Sonodynamic Therapy by a Cascade Enzymatic Approach. *Research*, **2021**, 2021, 9769867	7.8	4
59	Engineering two-dimensional silicene composite nanosheets for dual-sensitized and photonic hyperthermia-augmented cancer radiotherapy. *Biomaterials*, **2021**, 269, 120455	15.6	19
58	Freestanding germanene nanosheets for rapid degradation and photothermal conversion. *Materials Today Nano*, **2021**, 15, 100119	9.7	7
57	Magnetostrictive-Piezoelectric-Triggered Nanocatalytic Tumor Therapy. *Nano Letters*, **2021**, 21, 6764-6772	12.5	17
56	A nonferrous ferroptosis-like strategy for antioxidant inhibition-synergized nanocatalytic tumor therapeutics. *Science Advances*, **2021**, 7, eabj8833	14.3	25
55	Emerging two-dimensional silicene nanosheets for biomedical applications. *Materials Today Nano*, **2021**, 16, 100132	9.7	4
54	Single-Atom Catalysts for Nanocatalytic Tumor Therapy. *Small*, **2021**, 17, e2004467	11	22
53	Two-dimensional silicene composite nanosheets enable exogenous/endogenous-responsive and synergistic hyperthermia-augmented catalytic tumor theranostics. *Biomaterials*, **2020**, 256, 120206	15.6	34
52	MXene/Polymer Membranes: Synthesis, Properties, and Emerging Applications. *Chemistry of Materials*, **2020**, 32, 1703-1747	9.6	197

51	Borophene and Boron Fullerene Materials in Hydrogen Storage: Opportunities and Challenges. *ChemSusChem*, **2020**, 13, 3754	8.3	23
50	In situ 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	7.3	10
49	JTE-013 supplementation improves erectile dysfunction in rats with streptozotocin-induced type I diabetes through the inhibition of the rho-kinase pathway, fibrosis, and apoptosis. *Andrology*, **2020**, 8, 497-508	4.2	6
48	Anti-Infective Application of Graphene-Like Silicon Nanosheets via Membrane Destruction. *Advanced Healthcare Materials*, **2020**, 9, e1901375	10.1	7
47	Nanomedicine-Enabled Photonic Thermogaseous Cancer Therapy. *Advanced Science*, **2020**, 7, 1901954	13.6	30
46	Bioinspired Copper Single-Atom Catalysts for Tumor Parallel Catalytic Therapy. *Advanced Materials*, **2020**, 32, e2002246	24	89
45	Potentiated cytosolic drug delivery and photonic hyperthermia by 2D free-standing silicene nanosheets for tumor nanomedicine. *Nanoscale*, **2020**, 12, 17931-17946	7.7	13
44	A two-dimensional MXene potentiates a therapeutic microneedle patch for photonic implantable medicine in the second NIR biowindow. *Nanoscale*, **2020**, 12, 10265-10276	7.7	19
43	Photonic cancer nanomedicine using the near infrared-II biowindow enabled by biocompatible titanium nitride nanoplatforms. *Nanoscale Horizons*, **2019**, 4, 415-425	10.8	39
42	Highly Catalytic Niobium Carbide (MXene) Promotes Hematopoietic Recovery after Radiation by Free Radical Scavenging. *ACS Nano*, **2019**, 13, 6438-6454	16.7	79
41	Self-evolved hydrogen peroxide boosts photothermal-promoted tumor-specific nanocatalytic therapy. *Journal of Materials Chemistry B*, **2019**, 7, 3599-3609	7.3	33
40	Inorganic Nanoshell-Stabilized Liquid Metal for Targeted Photonanomedicine in NIR-II Biowindow. *Nano Letters*, **2019**, 19, 2128-2137	11.5	65
39	Photonic/magnetic hyperthermia-synergistic nanocatalytic cancer therapy enabled by zero-valence iron nanocatalysts. *Biomaterials*, **2019**, 219, 119374	15.6	34
38	Silicene: Wet-Chemical Exfoliation Synthesis and Biodegradable Tumor Nanomedicine. *Advanced Materials*, **2019**, 31, e1903013	24	77
37	Enhanced Tumor-Specific Disulfiram Chemotherapy by Cu Chelation-Initiated Nontoxicity-to-Toxicity Transition. *Journal of the American Chemical Society*, **2019**, 141, 11531-11539	16.4	134
36	Triggering Sequential Catalytic Fenton Reaction on 2D MXenes for Hyperthermia-Augmented Synergistic Nanocatalytic Cancer Therapy. *ACS Applied Materials & Interfaces*, **2019**, 11, 42917-42931	8.5	44
35	Two-dimensional titanium carbide MXenes as efficient non-noble metal electrocatalysts for oxygen reduction reaction. *Science China Materials*, **2019**, 62, 662-670	7.1	44
34	Nanocatalytic Tumor Therapy by Biomimetic Dual Inorganic Nanozyme-Catalyzed Cascade Reaction. *Advanced Science*, **2019**, 6, 1801733	13.6	250

33	Hypoxia-Irrelevant Photonic Thermodynamic Cancer Nanomedicine. *ACS Nano*, **2019**, 13, 2223-2235	16.7	77
32	A polyoxometalate-functionalized two-dimensional titanium carbide composite MXene for effective cancer theranostics. *Nano Research*, **2018**, 11, 4149-4168	10	75
31	"Stepwise Extraction" strategy-based injectable bioresponsive composite implant for cancer theranostics. *Biomaterials*, **2018**, 166, 38-51	15.6	23
30	2D magnetic titanium carbide MXene for cancer theranostics. *Journal of Materials Chemistry B*, **2018**, 6, 3541-3548	7.3	63
29	Ultrasmall mesoporous organosilica nanoparticles: Morphology modulations and redox-responsive biodegradability for tumor-specific drug delivery. *Biomaterials*, **2018**, 161, 292-305	15.6	93
28	2D Ultrathin MXene-Based Drug-Delivery Nanoplatform for Synergistic Photothermal Ablation and Chemotherapy of Cancer. *Advanced Healthcare Materials*, **2018**, 7, e1701394	10.1	181
27	Nanoparticle-triggered in situ catalytic chemical reactions for tumour-specific therapy. *Chemical Society Reviews*, **2018**, 47, 1938-1958	58.5	407
26	Oxygen-Deficient Black Titania for Synergistic/Enhanced Sonodynamic and Photoinduced Cancer Therapy at Near Infrared-II Biowindow. *ACS Nano*, **2018**, 12, 4545-4555	16.7	222
25	Insights into 2D MXenes for Versatile Biomedical Applications: Current Advances and Challenges Ahead. *Advanced Science*, **2018**, 5, 1800518	13.6	245
24	2D Superparamagnetic Tantalum Carbide Composite MXenes for Efficient Breast-Cancer Theranostics. *Theranostics*, **2018**, 8, 1648-1664	12.1	116
23	Magnesium-Engineered Silica Framework for pH-Accelerated Biodegradation and DNAzyme-Triggered Chemotherapy. *Small*, **2018**, 14, e1800708	11	26
22	Synergistic Sonodynamic/Chemotherapeutic Suppression of Hepatocellular Carcinoma by Targeted Biodegradable Mesoporous Nanosonosensitizers. *Advanced Functional Materials*, **2018**, 28, 1800145	15.6	98
21	Theranostic 2D Tantalum Carbide (MXene). *Advanced Materials*, **2018**, 30, 1703284	24	279
20	Theranostic 2D ultrathin MnO nanosheets with fast responsibility to endogenous tumor microenvironment and exogenous NIR irradiation. *Biomaterials*, **2018**, 155, 54-63	15.6	125
19	Therapeutic mesopore construction on 2D NbC MXenes for targeted and enhanced chemo-photothermal cancer therapy in NIR-II biowindow. *Theranostics*, **2018**, 8, 4491-4508	12.1	94
18	Mitochondria-Targeted Artificial "Nano-RBCs" for Amplified Synergistic Cancer Phototherapy by a Single NIR Irradiation. *Advanced Science*, **2018**, 5, 1800049	13.6	99
17	Multifunctional Mesoporous Silica Nanoprobes: Material Chemistry Based Fabrication and Bio-Imaging Functionality. *Advanced Therapeutics*, **2018**, 1, 1800078	4.9	10
16	Surface Nanopore Engineering of 2D MXenes for Targeted and Synergistic Multitherapies of Hepatocellular Carcinoma. *Advanced Materials*, **2018**, 30, e1706981	24	118

15	Molecularly organic/inorganic hybrid hollow mesoporous organosilica nanocapsules with tumor-specific biodegradability and enhanced chemotherapeutic functionality. *Biomaterials*, **2017**, 125, 23-37	15.6	145
14	Metalloporphyrin-Encapsulated Biodegradable Nanosystems for Highly Efficient Magnetic Resonance Imaging-Guided Sonodynamic Cancer Therapy. *Journal of the American Chemical Society*, **2017**, 139, 1275-1284	16.4	395
13	Two-Dimensional Ultrathin MXene Ceramic Nanosheets for Photothermal Conversion. *Nano Letters*, **2017**, 17, 384-391	11.5	623
12	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	16.4	656
11	Perioperative assessment of older surgical patients using a frailty index-feasibility and association with adverse post-operative outcomes. *Anaesthesia and Intensive Care*, **2017**, 45, 676-682	1.1	8
10	Biocompatible 2D Titanium Carbide (MXenes) Composite Nanosheets for pH-Responsive MRI-Guided Tumor Hyperthermia. *Chemistry of Materials*, **2017**, 29, 8637-8652	9.6	193
9	Two-Dimensional Tantalum Carbide (MXenes) Composite Nanosheets for Multiple Imaging-Guided Photothermal Tumor Ablation. *ACS Nano*, **2017**, 11, 12696-12712	16.7	223
8	Role for piRNAs and noncoding RNA in de novo DNA methylation of the imprinted mouse Rasgrf1 locus. *Science*, **2011**, 332, 848-52	33.3	305
7	Discovery of a cytokine and its receptor by functional screening of the extracellular proteome. *Science*, **2008**, 320, 807-11	33.3	554
6	Treatment and prognosis of pituitary adenomas in children. *Journal of Huazhong University of Science and Technology [Medical Sciences]*, **2006**, 26, 93-5		1
5	Permucosal implantation pilot study with HA-coated dental implant in dogs. *Biomaterials*, **1992**, 13, 825-31	15.6	8
4	Responses of the working rat heart to carbon monoxide. *Physiology and Behavior*, **1989**, 46, 81-4	3.5	8
3	Hepatic tolerance to hypotension as assessed by the changes in arterial ketone body ratio in the state of brain death. *Transplantation*, **1989**, 47, 444-8	1.8	27
2	Hepatic functional difference between brain death hypotension and hypovolemic hypotension in liver donation. *Transplantation Proceedings*, **1989**, 21, 2389-91	1.1	5
1	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	3