

Wei Chen

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,826
citations

218677

26
h-index

289244

40
g-index

40
all docs

40
docs citations

40
times ranked

4110
citing authors

#	ARTICLE	IF	CITATIONS
1	Black Phosphorus Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3653-3657.	13.8	594
2	Nanomachines and Other Caps on Mesoporous Silica Nanoparticles for Drug Delivery. <i>Accounts of Chemical Research</i> , 2019, 52, 1531-1542.	15.6	230
3	Capturing functional two-dimensional nanosheets from sandwich-structure vermiculite for cancer theranostics. <i>Nature Communications</i> , 2021, 12, 1124.	12.8	227
4	Macrophage-targeted nanomedicine for the diagnosis and treatment of atherosclerosis. <i>Nature Reviews Cardiology</i> , 2022, 19, 228-249.	13.7	171
5	Shortwave Infrared Imaging with J-Aggregates Stabilized in Hollow Mesoporous Silica Nanoparticles. <i>Journal of the American Chemical Society</i> , 2019, 141, 12475-12480.	13.7	128
6	Stanene-Based Nanosheets for ^{125}I -Elemene Delivery and Ultrasound-Mediated Combination Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7155-7164.	13.8	113
7	Arsenene Nanodots with Selective Killing Effects and their Low-Dose Combination with ^{125}I -Elemene for Cancer Therapy. <i>Advanced Materials</i> , 2021, 33, e2102054.	21.0	93
8	Biomaterials and nanomedicine for bone regeneration: Progress and future prospects. <i>Exploration</i> , 2021, 1, 20210011.	11.0	90
9	Spatial, Temporal, and Dose Control of Drug Delivery using Noninvasive Magnetic Stimulation. <i>ACS Nano</i> , 2019, 13, 1292-1308.	14.6	88
10	Orally deliverable strategy based on microalgal biomass for intestinal disease treatment. <i>Science Advances</i> , 2021, 7, eabi9265.	10.3	88
11	Molecular Elucidation of Biological Response to Mesoporous Silica Nanoparticles in Vitro and in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22235-22251.	8.0	82
12	Nonviral Cell Labeling and Differentiation Agent for Induced Pluripotent Stem Cells Based on Mesoporous Silica Nanoparticles. <i>ACS Nano</i> , 2013, 7, 8423-8440.	14.6	78
13	Microalgae-based oral microcarriers for gut microbiota homeostasis and intestinal protection in cancer radiotherapy. <i>Nature Communications</i> , 2022, 13, 1413.	12.8	78
14	A Responsive Mesoporous Silica Nanoparticle Platform for Magnetic Resonance Imaging-Guided High-Intensity Focused Ultrasound-Stimulated Cargo Delivery with Controllable Location, Time, and Dose. <i>Journal of the American Chemical Society</i> , 2019, 141, 17670-17684.	13.7	71
15	2D materials-based nanomedicine: From discovery to applications. <i>Advanced Drug Delivery Reviews</i> , 2022, 185, 114268.	13.7	53
16	Facile Strategy Enabling Both High Loading and High Release Amounts of the Water-Insoluble Drug Clofazimine Using Mesoporous Silica Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31870-31881.	8.0	51
17	Cryogenic Exfoliation of 2D Stanene Nanosheets for Cancer Theranostics. <i>Nano-Micro Letters</i> , 2021, 13, 90.	27.0	43
18	Triapine (3-aninopyridine-2-carboxaldehyde thiosemicarbazone) Induces Apoptosis in Ovarian Cancer Cells. <i>Journal of the Society for Gynecologic Investigation</i> , 2006, 13, 145-152.	1.7	42

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19	Dual Delivery of HNF4 α and Cisplatin by Mesoporous Silica Nanoparticles Inhibits Cancer Pluripotency and Tumorigenicity in Hepatoma-Derived CD133-Expressing Stem Cells. ACS Applied Materials & Interfaces, 2019, 11, 19808-19818.	8.0	40
20	Non-Cytotoxic Nanomaterials Enhance Antimicrobial Activities of Cefmetazole against Multidrug-Resistant <i>Neisseria gonorrhoeae</i> . PLoS ONE, 2013, 8, e64794.	2.5	39
21	Dual delivery of siRNA and plasmid DNA using mesoporous silica nanoparticles to differentiate induced pluripotent stem cells into dopaminergic neurons. Journal of Materials Chemistry B, 2017, 5, 3012-3023.	5.8	38
22	Glucose-responsive oral insulin delivery platform for one treatment a day in diabetes. Matter, 2021, 4, 3269-3285.	10.0	36
23	Nano-bio interfaces effect of two-dimensional nanomaterials and their applications in cancer immunotherapy. Acta Pharmaceutica Sinica B, 2021, 11, 3447-3464.	12.0	35
24	Intercalation-Driven Formation of siRNA Nanogels for Cancer Therapy. Nano Letters, 2021, 21, 9706-9714.	9.1	33
25	Magnetically Stimulated Drug Release Using Nanoparticles Capped by Self-Assembling Peptides. ACS Applied Materials & Interfaces, 2019, 11, 43835-43842.	8.0	29
26	RNA cancer nanomedicine: nanotechnology-mediated RNA therapy. Nanoscale, 2022, 14, 4448-4455.	5.6	28
27	Efficient Spin-Light Emitting Diodes Based on InGaN/GaN Quantum Disks at Room Temperature: A New Self-Polarized Paradigm. Nano Letters, 2014, 14, 3130-3137.	9.1	26
28	Magnetic Heating Stimulated Cargo Release with Dose Control using Multifunctional MR and Thermosensitive Liposome. Nanotheranostics, 2019, 3, 166-178.	5.2	26
29	PEGylated silica nanoparticles encapsulating multiple magnetite nanocrystals for high-performance microscopic magnetic resonance angiography. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 99B, 81-88.	3.4	25
30	A near-infrared light-controlled smart nanocarrier with reversible polypeptide-engineered valve for targeted fluorescence-photoacoustic bimodal imaging-guided chemo-photothermal therapy. Theranostics, 2019, 9, 7666-7679.	10.0	25
31	Precise control of the structure of synthetic hydrogel networks for precision medicine applications. Matter, 2022, 5, 18-19.	10.0	23
32	Manganese-enhanced MRI of rat brain based on slow cerebral delivery of manganese(II) with silica-encapsulated Mn _x Fe _{1-x} O nanoparticles. NMR in Biomedicine, 2013, 26, 1176-1185.	2.8	19
33	Magnetic resonance imaging of high-intensity focused ultrasound-stimulated drug release from a self-reporting core@shell nanoparticle platform. Chemical Communications, 2020, 56, 10297-10300.	4.1	16
34	Stimuli-Responsive Nanomachines and Caps for Drug Delivery. The Enzymes, 2018, 43, 31-65.	1.7	15
35	Analyte-responsive gated hollow mesoporous silica nanoparticles exhibiting inverse functionality and an AND logic response. Nanoscale, 2016, 8, 18296-18300.	5.6	13
36	Stannene-Based Nanosheets for I^{2+} Element Delivery and Ultrasound-Mediated Combination Cancer Therapy. Angewandte Chemie, 2021, 133, 7231-7240.	2.0	12

#	ARTICLE	IF	CITATIONS
37	Focal Amplification of HOXD-Harboring Chromosome Region Is Implicated in Multiple-Walled Carbon Nanotubes-Induced Carcinogenicity. Nano Letters, 2013, 13, 4632-4641.	9.1	11
38	Isoquinoline thiosemicarbazone displays potent anticancer activity with in vivo efficacy against aggressive leukemias. RSC Medicinal Chemistry, 2020, 11, 392-410.	3.9	6
39	Multifunctional nanocarrier with self-catalytic production of nitric oxide for photothermal and gas-combined therapy of tumor. Journal of Colloid and Interface Science, 2022, 621, 77-90.	9.4	6
40	Expanding nanoparticle multifunctionality: size-selected cargo release and multiple logic operations. Nanoscale, 2021, 13, 5497-5506.	5.6	5