Meiying Wu

List of Publications by Year
in descending order

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Version: 2024-02-01

46 papers	4,650 citations	159358 30 h-index	223531 46 g-index
46 all docs	46 docs citations	46 times ranked	6547 citing authors

#	Article	IF	Citations
1	Breakâ€up of Twoâ€Dimensional MnO₂ Nanosheets Promotes Ultrasensitive pHâ€Triggered Theranostics of Cancer. Advanced Materials, 2014, 26, 7019-7026.	11.1	404
2	Mesostructured CeO2/g-C3N4 nanocomposites: Remarkably enhanced photocatalytic activity for CO2 reduction by mutual component activations. Nano Energy, 2016, 19, 145-155.	8.2	349
3	Hollow Mesoporous Organosilica Nanoparticles: A Generic Intelligent Framework-Hybridization Approach for Biomedicine. Journal of the American Chemical Society, 2014, 136, 16326-16334.	6.6	338
4	Highly selective CO₂ photoreduction to CO over g-C₃N₄/Bi₂WO₆ composites under visible light. Journal of Materials Chemistry A, 2015, 3, 5189-5196.	5.2	338
5	Largeâ€Pore Ultrasmall Mesoporous Organosilica Nanoparticles: Micelle/Precursor Coâ€templating Assembly and Nuclearâ€Targeted Gene Delivery. Advanced Materials, 2015, 27, 215-222.	11.1	266
6	â€œManganese Extractionâ€•Strategy Enables Tumor-Sensitive Biodegradability and Theranostics of Nanoparticles. Journal of the American Chemical Society, 2016, 138, 9881-9894.	6.6	246
7	Large Poreâ€Sized Hollow Mesoporous Organosilica for Redoxâ€Responsive Gene Delivery and Synergistic Cancer Chemotherapy. Advanced Materials, 2016, 28, 1963-1969.	11.1	245
8	A Prussian Blueâ€Based Coreâ€“Shell Hollowâ€Structured Mesoporous Nanoparticle as a Smart Theranostic Agent with Ultrahigh pHâ€Responsive Longitudinal Relaxivity. Advanced Materials, 2015, 27, 6382-6389.	11.1	233
9	Colloidal RBCâ€Shaped, Hydrophilic, and Hollow Mesoporous Carbon Nanocapsules for Highly Efficient Biomedical Engineering. Advanced Materials, 2014, 26, 4294-4301.	11.1	196
10	MR imaging tracking of inflammation-activatable engineered neutrophils for targeted therapy of surgically treated glioma. Nature Communications, 2018, 9, 4777.	5.8	173
11	Dual-response oxygen-generating MnO2 nanoparticles with polydopamine modification for combined photothermal-photodynamic therapy. Chemical Engineering Journal, 2020, 389, 124494.	6.6	166
12	Dual synergetic effects in MoS 2 /pyridine-modified g-C 3 N 4 composite for highly active and stable photocatalytic hydrogen evolution under visible light. Applied Catalysis B: Environmental, 2016, 190, 36-43.	10.8	133
13	Endogenous Catalytic Generation of O₂ Bubbles for In Situ Ultrasound-Guided High Intensity Focused Ultrasound Ablation. ACS Nano, 2017, 11, 9093-9102.	7.3	133
14	Magnetic nanoparticles coated with polyphenols for spatio-temporally controlled cancer photothermal/immunotherapy. Journal of Controlled Release, 2020, 326, 131-139.	4.8	125
15	Multifunctional Graphene Oxideâ€based Triple Stimuliâ€Responsive Nanotheranostics. Advanced Functional Materials, 2014, 24, 4386-4396.	7.8	115
16	Core-shell LaPO4/g-C3N4 nanowires for highly active and selective CO2 reduction. Applied Catalysis B: Environmental, 2017, 201, 629-635.	10.8	109
17	Polypyrrole Nanoenzymes as Tumor Microenvironment Modulators to Reprogram Macrophage and Potentiate Immunotherapy. Advanced Science, 2022, 9, .	5.6	77
18	Engineered gold/black phosphorus nanoplatforms with remodeling tumor microenvironment for sonoactivated catalytic tumor theranostics. Bioactive Materials, 2022, 10, 515-525.	8.6	73

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19	Renalâ€Clearable Ultrasmall Polypyrrole Nanoparticles with Sizeâ€Regulated Property for Second Nearâ€Infrared Lightâ€Mediated Photothermal Therapy. Advanced Functional Materials, 2021, 31, 2008362.	7.8	72
20	Focused Ultrasoundâ€Augmented Delivery of Biodegradable Multifunctional Nanoplatforms for Imagingâ€Guided Brain Tumor Treatment. Advanced Science, 2018, 5, 1700474.	5.6	71
21	SnTe@MnO₂â€SP Nanosheetâ€"Based Intelligent Nanoplatform for Second Nearâ€Infrared Lightâ€"Mediated Cancer Theranostics. Advanced Functional Materials, 2019, 29, 1903791.	7.8	69
22	Ultrasmall Confined Iron Oxide Nanoparticle MSNs as a pHâ€Responsive Theranostic Platform. Advanced Functional Materials, 2014, 24, 4273-4283.	7.8	66
23	Tumor vascular-targeted co-delivery of anti-angiogenesis and chemotherapeutic agents by mesoporous silica nanoparticle-based drug delivery system for synergetic therapy of tumor. International Journal of Nanomedicine, 2016, 11, 93.	3.3	63
24	Transforming â€œcoldâ€•tumors into â€œhotâ€•ones via tumor-microenvironment-responsive siRNA micelleplexes for enhanced immunotherapy. Matter, 2022, 5, 2285-2305.	5.0	62
25	A salt-assisted acid etching strategy for hollow mesoporous silica/organosilica for pH-responsive drug and gene co-delivery. Journal of Materials Chemistry B, 2015, 3, 766-775.	2.9	61
26	Ultrasound Molecular Imaging of Atherosclerosis for Early Diagnosis and Therapeutic Evaluation through Leucocyte-like Multiple Targeted Microbubbles. Theranostics, 2018, 8, 1879-1891.	4.6	57
27	Nanoparticle-enhanced generation of gene-transfected mesenchymal stem cells for inÂvivo cardiac repair. Biomaterials, 2016, 74, 188-199.	5.7	49
28	Oxidative stress-amplified nanomedicine for intensified ferroptosis-apoptosis combined tumor therapy. Journal of Controlled Release, 2022, 347, 104-114.	4.8	42
29	Amorphous Fe²⁺-rich FeO_x loaded in mesoporous silica as a highly efficient heterogeneous Fenton catalyst. Dalton Transactions, 2014, 43, 9234-9241.	1.6	32
30	Two-dimensional highly oxidized ilmenite nanosheets equipped with Z-scheme heterojunction for regulating tumor microenvironment and enhancing reactive oxygen species generation. Chemical Engineering Journal, 2020, 390, 124524.	6.6	32
31	Metal-free two-dimensional nanomaterial-mediated photothermal tumor therapy. Smart Materials in Medicine, 2020, 1, 150-167.	3.7	28
32	ATP-exhausted nanocomplexes for intratumoral metabolic intervention and photoimmunotherapy. Biomaterials, 2022, 284, 121503.	5.7	25
33	Facile synthesis of hydrophilic multi-colour and upconversion photoluminescent mesoporous carbon nanoparticles for bioapplications. Chemical Communications, 2014, 50, 15772-15775.	2.2	24
34	Mesostructured amorphous manganese oxides: facile synthesis and highly durable elimination of low-concentration NO at room temperature in air. Chemical Communications, 2015, 51, 5887-5889.	2.2	22
35	Generic synthesis and versatile applications of molecularly organicâ€"inorganic hybrid mesoporous organosilica nanoparticles with asymmetric Janus topologies and structures. Nano Research, 2017, 10, 3790-3810.	5.8	19
36	Carrier-free multifunctional nanomedicine for intraperitoneal disseminated ovarian cancer therapy. Journal of Nanobiotechnology, 2022, 20, 93.	4.2	18

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37	Mesoporous calcium peroxide-ignited NO generation for amplifying photothermal immunotherapy of breast cancer. Chemical Engineering Journal, 2022, 437, 135371.	6.6	18
38	Biomimetic nanomedicine toward personalized disease theranostics. Nano Research, 2021, 14, 2491-2511.	5.8	17
39	Cuâ€Doped Polypyrrole with Multiâ€Catalytic Activities for Sonoâ€Enhanced Nanocatalytic Tumor Therapy. Small, 2022, 18, .	5.2	16
40	Liposomes Encapsulating Neoantigens and Black Phosphorus Quantum Dots for Enhancing Photothermal Immunotherapy. Journal of Biomedical Nanotechnology, 2020, 16, 1394-1405.	0.5	15
41	A facile ultrasonic process for the preparation of Co3O4 nanoflowers for room-temperature removal of low-concentration NOx. Catalysis Communications, 2014, 57, 73-77.	1.6	13
42	Sonodynamic therapy: Another â€œlightâ€•in tumor treatment by exogenous stimulus. Smart Materials in Medicine, 2021, 2, 145-149.	3.7	11
43	Tumor Microenvironment-Specific Chemical Internalization for Enhanced Gene Therapy of Metastatic Breast Cancer. Research, 2021, 2021, .	2.8	10
44	Melittin Tryptophan Substitution with a Fluorescent Amino Acid Reveals the Structural Basis of Selective Antitumor Effect and Subcellular Localization in Tumor Cells. Toxins, 2022, 14, 428.	1.5	8
45	Ultrasound Molecular Imaging of Lymphocyte-endothelium Adhesion Cascade in Acute Cellular Rejection of Cardiac Allografts. Transplantation, 2019, 103, 1603-1611.	0.5	7
46	An in Silico Approach to Reveal the Nanodisc Formulation of Doxorubicin. Frontiers in Bioengineering and Biotechnology, 2022, 10, 859255.	2.0	4