

# Li-Ming Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

2,941  
citations

186265  
28  
h-index

189892  
50  
g-index

53  
all docs

53  
docs citations

53  
times ranked

4818  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient Photothermal Conversion and Water Transport during Solar Evaporation Enabled by Amorphous Hollow Multishelled Nanocomposites. <i>Advanced Materials</i> , 2022, 34, e2107400.	21.0	68
2	Highly Efficient Photothermal Conversion and Water Transport during Solar Evaporation Enabled by Amorphous Hollow Multishelled Nanocomposites ( <i>Adv. Mater.</i> 7/2022). <i>Advanced Materials</i> , 2022, 34, .	21.0	1
3	Non-targeted metallomics through synchrotron radiation X-ray fluorescence with machine learning for cancer screening using blood samples. <i>Talanta</i> , 2022, 245, 123486.	5.5	6
4	Atomic manganese coordinated to nitrogen and sulfur for oxygen evolution. <i>Nano Research</i> , 2022, 15, 6019-6025.	10.4	53
5	Size characterization of nanomaterials in environmental and biological matrices through non-electron microscopic techniques. <i>Science of the Total Environment</i> , 2022, 835, 155399.	8.0	3
6	A Nanozyme-Based Artificial Peroxisome Ameliorates Hyperuricemia and Ischemic Stroke. <i>Advanced Functional Materials</i> , 2021, 31, 2007130.	14.9	116
7	Using nano-selenium to combat Coronavirus Disease 2019 (COVID-19)?. <i>Nano Today</i> , 2021, 36, 101037.	11.9	57
8	Using nanoselenium to combat Minamata disease in rats: the regulation of gut microbes. <i>Environmental Science: Nano</i> , 2021, 8, 1437-1445.	4.3	2
9	Molybdenum derived from nanomaterials incorporates into molybdenum enzymes and affects their activities in vivo. <i>Nature Nanotechnology</i> , 2021, 16, 708-716.	31.5	153
10	Comparative nanometallomics as a new tool for nanosafety evaluation. <i>Metallomics</i> , 2021, 13, .	2.4	8
11	Induced Autophagy of Macrophages and the Regulation of Inflammatory Effects by Perovskite Nanomaterial LaNiO <sub>3</sub> . <i>Frontiers in Immunology</i> , 2021, 12, 676773.	4.8	3
12	Towards screening the neurotoxicity of chemicals through feces after exposure to methylmercury or inorganic mercury in rats: A combined study using gut microbiome, metabolomics and metallomics. <i>Journal of Hazardous Materials</i> , 2021, 409, 124923.	12.4	30
13	The Underlying Function and Structural Organization of the Intracellular Protein Corona on Graphdiyne Oxide Nanosheet for Local Immunomodulation. <i>Nano Letters</i> , 2021, 21, 6005-6013.	9.1	63
14	Biotransformation of soluble-insoluble lanthanum species and its induced NLRP3 inflammasome activation and chronic fibrosis. <i>Environmental Pollution</i> , 2021, 284, 117438.	7.5	3
15	Vertical Distribution in Inverted Nonfullerene Polymer Solar Cells by Layer-by-Layer Solution Fabrication Process. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100386.	2.4	8
16	Death Pathways of Cancer Cells Modulated by Surface Molecule Density on Gold Nanorods. <i>Advanced Science</i> , 2021, 8, e2102666.	11.2	13
17	<i>In vivo</i> percutaneous permeation of gold nanomaterials in consumer cosmetics: implication in dermal safety assessment of consumer nanoproducts. <i>Nanotoxicology</i> , 2021, 15, 131-144.	3.0	20
18	Acute oral methylmercury exposure perturbs the gut microbiome and alters gut-brain axis related metabolites in rats. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110130.	6.0	51

#	ARTICLE	IF	CITATIONS
19	Engineering the Nucleophilic Active Oxygen Species in CuTiO <sub>2</sub> for Efficient Low-Temperature Propene Combustion. <i>Environmental Science &amp; Technology</i> , 2020, 54, 15476-15488.	10.0	48
20	Gold Nanorod-Based Nanoplatfom Catalyzes Constant NO Generation and Protects from Cardiovascular Injury. <i>ACS Nano</i> , 2020, 14, 12854-12865.	14.6	30
21	Quantitative Determination of the Vertical Segregation and Molecular Ordering of PBDB-T/ITIC Blend Films with Solvent Additives. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 24165-24173.	8.0	21
22	Immobilization of mercury by nano-elemental selenium and the underlying mechanisms in hydroponic-cultured garlic plant. <i>Environmental Science: Nano</i> , 2020, 7, 1115-1125.	4.3	28
23	Neutron scattering study of commensurate magnetic ordering in single crystal CeSb <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 405605.	1.8	3
24	Stability of Ligands on Nanoparticles Regulating the Integrity of Biological Membranes at the Nano-Liquid Interface. <i>ACS Nano</i> , 2019, 13, 8680-8693.	14.6	59
25	Cellular Responses to Exposure to Outdoor Air from the Chinese Spring Festival at the Air-Liquid Interface. <i>Environmental Science &amp; Technology</i> , 2019, 53, 9128-9138.	10.0	9
26	Impact of Donor-Acceptor Interaction and Solvent Additive on the Vertical Composition Distribution of Bulk Heterojunction Polymer Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 45979-45990.	8.0	40
27	Selenium Nanoparticles as an Efficient Nanomedicine for the Therapy of Huntington's Disease. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 34725-34735.	8.0	101
28	Engineered Graphene Oxide Nanocomposite Capable of Preventing the Evolution of Antimicrobial Resistance. <i>ACS Nano</i> , 2019, 13, 11488-11499.	14.6	84
29	Correlating Ligand Density with Cellular Uptake of Gold Nanorods Revealed by X-ray Reflectivity. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 7557-7563.	0.9	4
30	Electron Compensation Effect Suppressed Silver Ion Release and Contributed Safety of Au@Ag Core-Shell Nanoparticles. <i>Nano Letters</i> , 2019, 19, 4478-4489.	9.1	49
31	Manipulation of dipolar magnetism in low-dimensional iron oxide nanoparticle assemblies. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6171-6177.	2.8	10
32	Magnetoelectric coupling in iron oxide nanoparticle-barium titanate composites. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 065301.	2.8	6
33	Intestinal Methylation and Demethylation of Mercury. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 102, 597-604.	2.7	42
34	Quantification of Nanomaterial/Nanomedicine Trafficking in Vivo. <i>Analytical Chemistry</i> , 2018, 90, 589-614.	6.5	85
35	Uptake and Transformation of Nanomaterials in Biological Systems Studied by Synchrotron Radiation X-ray Techniques. <i>Microscopy and Microanalysis</i> , 2018, 24, 342-345.	0.4	0
36	Carbon-Based Nanomaterials for Cancer Therapy via Targeting Tumor Microenvironment. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800525.	7.6	161

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37	Strain and electric-field control of magnetism in supercrystalline iron oxide nanoparticle@BaTiO <sub>3</sub> composites. <i>Nanoscale</i> , 2017, 9, 12957-12962.	5.6	14
38	Rapid Degradation and High Renal Clearance of Cu <sub>3</sub> BiS <sub>3</sub> Nanodots for Efficient Cancer Diagnosis and Photothermal Therapy <i>in Vivo</i> . <i>ACS Nano</i> , 2016, 10, 4587-4598.	14.6	173
39	Polyhydroxylated fullerenols regulate macrophage for cancer adoptive immunotherapy and greatly inhibit the tumor metastasis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 945-954.	3.3	46
40	Use of Synchrotron Radiation-Analytical Techniques To Reveal Chemical Origin of Silver-Nanoparticle Cytotoxicity. <i>ACS Nano</i> , 2015, 9, 6532-6547.	14.6	246
41	Using Hollow Carbon Nanospheres as a Light-Induced Free Radical Generator To Overcome Chemotherapy Resistance. <i>Journal of the American Chemical Society</i> , 2015, 137, 1947-1955.	13.7	182
42	Gd-metallofullerenol nanomaterial as non-toxic breast cancer stem cell-specific inhibitor. <i>Nature Communications</i> , 2015, 6, 5988.	12.8	164
43	Gd-Metallofullerenol Nanomaterial Suppresses Pancreatic Cancer Metastasis by Inhibiting the Interaction of Histone Deacetylase 1 and Metastasis-Associated Protein 1. <i>ACS Nano</i> , 2015, 9, 6826-6836.	14.6	64
44	Interaction of gold nanoparticles with proteins and cells. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 034610.	6.1	149
45	Controllable Generation of Nitric Oxide by Near-Infrared-Sensitized Upconversion Nanoparticles for Tumor Therapy. <i>Advanced Functional Materials</i> , 2015, 25, 3049-3056.	14.9	194
46	Gadolinium(III)-Chelated Silica Nanospheres Integrating Chemotherapy and Photothermal Therapy for Cancer Treatment and Magnetic Resonance Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 25014-25023.	8.0	70
47	Cancer Treatment: Inhibition of Cancer Cell Migration by Gold Nanorods: Molecular Mechanisms and Implications for Cancer Therapy ( <i>Adv. Funct. Mater.</i> 44/2014). <i>Advanced Functional Materials</i> , 2014, 24, 7064-7064.	14.9	0
48	Inhibition of Cancer Cell Migration by Gold Nanorods: Molecular Mechanisms and Implications for Cancer Therapy. <i>Advanced Functional Materials</i> , 2014, 24, 6922-6932.	14.9	69
49	Metallofullerenols: Polyhydroxylated Metallofullerenols Stimulate IL-1 $\beta$ Secretion of Macrophage through TLRs/MyD88/NF- $\kappa$ B Pathway and NLRP3Inflammasome Activation ( <i>Small</i> 12/2014). <i>Small</i> , 2014, 10, 2310-2310.	10.0	2
50	The contributions of metal impurities and tube structure to the toxicity of carbon nanotube materials. <i>NPG Asia Materials</i> , 2012, 4, e32-e32.	7.9	112