

Bing Wang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7962389/bing-wang-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69
papers

4,061
citations

31
h-index

63
g-index

72
ext. papers

4,680
ext. citations

6.1
avg, IF

5.18
L-index

#	Paper	IF	Citations
69	Multiscale Synchrotron-Based Imaging Analysis for the Transfer of PEGylated Gold Nanoparticles. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 1462-1474	5.5	2
68	Interaction of Humic Acid with Graphene Oxide: Relation to Antibacterial Activities Against. <i>Journal of Nanoscience and Nanotechnology</i> , 2021 , 21, 1430-1438	1.3	
67	Iron oxide nanoparticles aggravate hepatic steatosis and liver injury in nonalcoholic fatty liver disease through BMP-SMAD-mediated hepatic iron overload. <i>Nanotoxicology</i> , 2021 , 15, 761-778	5.3	4
66	Polyvinylpyrrolidone functionalization induces deformable structure of graphene oxide nanosheets for lung-targeting delivery. <i>Nano Today</i> , 2021 , 38, 101151	17.9	5
65	Gold Nanoparticles Modified With Polyethyleneimine Disturbed the Activity of Drug-Metabolic Enzymes and Induced Inflammation-Mediated Liver Injury in Mice. <i>Frontiers in Pharmacology</i> , 2021 , 12, 706791	5.6	0
64	TiN/Al ₂ O ₃ binary ceramics for negative permittivity metacomposites at kHz frequencies. <i>Journal of Alloys and Compounds</i> , 2021 , 855, 157499	5.7	41
63	Surface chemistry governs the sub-organ transfer, clearance and toxicity of functional gold nanoparticles in the liver and kidney. <i>Journal of Nanobiotechnology</i> , 2020 , 18, 45	9.4	21
62	NiS nanoparticles assembled on biological cell walls-derived porous hollow carbon spheres as a novel battery-type electrode for hybrid supercapacitor. <i>Journal of Materials Science</i> , 2020 , 55, 14431-14446	4.3	24
61	Microwave absorption properties of microporous CoNi@(NiO-CoO) nanoparticles through dealloying. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 503, 166631	2.8	25
60	In vivo pharmacokinetics, transfer and clearance study of graphene oxide by La/Ce dual elemental labelling method. <i>NanoImpact</i> , 2020 , 17, 100213	5.6	11
59	MnO ₂ /Carbon Composites for Supercapacitor: Synthesis and Electrochemical Performance. <i>Frontiers in Materials</i> , 2020 , 7,	4	37
58	Adsorption and oxidation of SO on the surface of TiO nanoparticles: the role of terminal hydroxyl and oxygen vacancy-Ti states. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 9943-9953	3.6	7
57	Phase and morphology evolution of high dielectric CoO/Co ₃ O ₄ particles with Co ₃ O ₄ nanoneedles on surface for excellent microwave absorption application. <i>Chemical Engineering Journal</i> , 2020 , 396, 125203	14.7	66
56	Immunological Responses Induced by Blood Protein Coronas on Two-Dimensional MoS Nanosheets. <i>ACS Nano</i> , 2020 , 14, 5529-5542	16.7	35
55	One-step synthesis of the reduced graphene oxide@NiO composites for supercapacitor electrodes by electrode-assisted plasma electrolysis. <i>Materials and Design</i> , 2020 , 196, 109111	8.1	34
54	First-principles studies in Mg-based hydrogen storage Materials: A review. <i>Energy</i> , 2020 , 211, 118959	7.9	24
53	Single-Cell Isotope Dilution Analysis with LA-ICP-MS: A New Approach for Quantification of Nanoparticles in Single Cells. <i>Analytical Chemistry</i> , 2020 , 92, 14339-14345	7.8	13

52	Hepatic impacts of gold nanoparticles with different surface coatings as revealed by assessing the hepatic drug-metabolizing enzyme and lipid homeostasis in mice. <i>NanoImpact</i> , 2020 , 20, 100259	5.6	4
51	Dielectric parameters of activated carbon derived from rosewood and corncob. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 18077-18084	2.1	2
50	Recent advances in hydrogen generation process via hydrolysis of Mg-based materials: A short review. <i>Journal of Alloys and Compounds</i> , 2020 , 816, 152634	5.7	35
49	Elemental analysis and imaging of sunscreen fingermarks by X-ray fluorescence. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4151-4157	4.4	5
48	Determination of silver nanoparticles in single cells by microwell trapping and laser ablation ICP-MS determination. <i>Journal of Analytical Atomic Spectrometry</i> , 2019 , 34, 915-921	3.7	17
47	Transverse emittance measurement for the heavy ion medical machine cyclotron. <i>Nuclear Science and Techniques/Hewuli</i> , 2019 , 30, 1	2.1	1
46	Chemical Analysis and Imaging of Fingerprints by Air-flow Assisted Desorption Electrospray Ionization Mass Spectrometry. <i>Chinese Journal of Analytical Chemistry</i> , 2019 , 47, 1909-1914	1.6	3
45	Acute Oral Administration of Single-Walled Carbon Nanotubes Increases Intestinal Permeability and Inflammatory Responses: Association with the Changes in Gut Microbiota in Mice. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701313	10.1	22
44	Gut Microbiota: Acute Oral Administration of Single-Walled Carbon Nanotubes Increases Intestinal Permeability and Inflammatory Responses: Association with the Changes in Gut Microbiota in Mice (Adv. Healthcare Mater. 13/2018). <i>Advanced Healthcare Materials</i> , 2018 , 7, 1870053	10.1	
43	Transferrin Adsorbed on PEGylated Gold Nanoparticles and Its Relevance to Targeting Specificity. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 5306-5313	1.3	7
42	Inhibition of Lysozyme Fibrillation by Gold Nanorods and Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 3087-3094	1.3	2
41	Thermal Unfolding Process of Lysozyme on PEGylated Gold Nanoparticles Reveals Length-Dependent Effects of PEG Layer. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 5542-5550 ^{1,3}		1
40	ZnO nanoparticles act as supportive therapy in DSS-induced ulcerative colitis in mice by maintaining gut homeostasis and activating Nrf2 signaling. <i>Scientific Reports</i> , 2017 , 7, 43126	4.9	47
39	miR-185 enhances the inhibition of proliferation and migration induced by ionizing radiation in melanoma. <i>Oncology Letters</i> , 2017 , 13, 2442-2448	2.6	15
38	Interrogating the variation of element masses and distribution patterns in single cells using ICP-MS with a high efficiency cell introduction system. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 1415-1423	4.4	29
37	The effects of orally administered Ag, TiO ₂ and SiO ₂ nanoparticles on gut microbiota composition and colitis induction in mice. <i>NanoImpact</i> , 2017 , 8, 80-88	5.6	93
36	Chirality of Graphene Oxide/Humic Acid Sandwich Complex Induced by a Twisted, Long-Range-Ordered Nanostructure. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 25789-25795	3.8	14
35	Magnetic Fe ₃ O ₄ nanoparticle catalyzed chemiluminescence for detection of nitric oxide in living cells. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 5479-88	4.4	12

34	Measurement of protein size in concentrated solutions by small angle X-ray scattering. <i>Protein Science</i> , 2016 , 25, 1385-9	6.3	3
33	New Methods for Nanotoxicity Analyses: Synchrotron-Radiation-Based Techniques 2016 , 95-120		
32	Quantitative analysis of Gd@C82(OH)22 and cisplatin uptake in single cells by inductively coupled plasma mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 2383-91	4.4	32
31	Probing the interaction at nano-bio interface using synchrotron radiation-based analytical techniques. <i>Science China Chemistry</i> , 2015 , 58, 768-779	7.9	19
30	Structure and catalytic activities of ferrous centers confined on the interface between carbon nanotubes and humic acid. <i>Nanoscale</i> , 2015 , 7, 2651-8	7.7	5
29	Time-resolved ICP-MS analysis of mineral element contents and distribution patterns in single cells. <i>Analyst</i> , 2015 , 140, 523-31	5	52
28	Oral magnetite nanoparticles disturb the development of <i>Drosophila melanogaster</i> from oogenesis to adult emergence. <i>Nanotoxicology</i> , 2015 , 9, 302-12	5.3	32
27	Coculture with Low-Dose SWCNT Attenuates Bacterial Invasion and Inflammation in Human Enterocyte-like Caco-2 Cells. <i>Small</i> , 2015 , 11, 4366-78	11	15
26	Nanosurface chemistry and dose govern the bioaccumulation and toxicity of carbon nanotubes, metal nanomaterials and quantum dots in vivo. <i>Science Bulletin</i> , 2015 , 60, 3-20	10.6	85
25	Graphene oxide as an anaerobic membrane scaffold for the enhancement of <i>B. adolescentis</i> proliferation and antagonistic effects against pathogens <i>E. coli</i> and <i>S. aureus</i> . <i>Nanotechnology</i> , 2014 , 25, 165101	3.4	39
24	Quantitative analysis of gold nanoparticles in single cells by laser ablation inductively coupled plasma-mass spectrometry. <i>Analytical Chemistry</i> , 2014 , 86, 10252-6	7.8	58
23	Broad-spectrum antibacterial activity of carbon nanotubes to human gut bacteria. <i>Small</i> , 2013 , 9, 2735-46	11	185
22	Physicochemical Origin for Free Radical Generation of Iron Oxide Nanoparticles in Biomicroenvironment: Catalytic Activities Mediated by Surface Chemical States. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 383-392	3.8	106
21	Determination of quantum dots in single cells by inductively coupled plasma mass spectrometry. <i>Talanta</i> , 2013 , 116, 782-7	6.2	47
20	Metabolism of nanomaterials in vivo: blood circulation and organ clearance. <i>Accounts of Chemical Research</i> , 2013 , 46, 761-9	24.3	336
19	Metallomics insights for in vivo studies of metal based nanomaterials. <i>Metallomics</i> , 2013 , 5, 793-803	4.5	33
18	The distribution profile and oxidation states of biometals in APP transgenic mouse brain: dyshomeostasis with age and as a function of the development of Alzheimer's disease. <i>Metallomics</i> , 2012 , 4, 289-96	4.5	38
17	Immunogold labeling and X-ray fluorescence microscopy reveal enrichment ratios of Cu and Zn, metabolism of APP and amyloid- β plaque formation in a mouse model of Alzheimer's disease. <i>Metallomics</i> , 2012 , 4, 1113-8	4.5	15

16	Endothelial dysfunction and inflammation induced by iron oxide nanoparticle exposure: Risk factors for early atherosclerosis. <i>Toxicology Letters</i> , 2011 , 203, 162-71	4.4	169
15	Microglial activation, recruitment and phagocytosis as linked phenomena in ferric oxide nanoparticle exposure. <i>Toxicology Letters</i> , 2011 , 205, 26-37	4.4	95
14	Quantification of proteins using lanthanide labeling and HPLC/ICP-MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2011 , 26, 1233	3.7	18
13	Quantitative imaging of element spatial distribution in the brain section of a mouse model of Alzheimer's disease using synchrotron radiation X-ray fluorescence analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2010 , 25, 328-333	3.7	46
12	Interface-confined ferrous centers for catalytic oxidation. <i>Science</i> , 2010 , 328, 1141-4	33.3	743
11	New methods for nanotoxicology: synchrotron radiation-based techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 667-76	4.4	28
10	Particokinetics and extrapulmonary translocation of intratracheally instilled ferric oxide nanoparticles in rats and the potential health risk assessment. <i>Toxicological Sciences</i> , 2009 , 107, 342-51	4.4	163
9	Neurotoxicity of low-dose repeatedly intranasal instillation of nano- and submicron-sized ferric oxide particles in mice. <i>Journal of Nanoparticle Research</i> , 2009 , 11, 41-53	2.3	92
8	Acute toxicological impact of nano- and submicro-scaled zinc oxide powder on healthy adult mice. <i>Journal of Nanoparticle Research</i> , 2008 , 10, 263-276	2.3	276
7	Comparative study of pulmonary responses to nano- and submicron-sized ferric oxide in rats. <i>Toxicology</i> , 2008 , 247, 102-11	4.4	214
6	Investigation of mercury-containing proteins by enriched stable isotopic tracer and size-exclusion chromatography hyphenated to inductively coupled plasma-isotope dilution mass spectrometry. <i>Analytica Chimica Acta</i> , 2007 , 583, 84-91	6.6	18
5	Determination of Mercury in Fish by Isotope Dilution Inductively Coupled Plasma-Mass Spectrometry. <i>Chinese Journal of Analytical Chemistry</i> , 2007 , 35, 945-948	1.6	9
4	Transport of intranasally instilled fine Fe ₂ O ₃ particles into the brain: micro-distribution, chemical states, and histopathological observation. <i>Biological Trace Element Research</i> , 2007 , 118, 233-43	4.5	123
3	Quantitative analysis of proteins via sulfur determination by HPLC coupled to isotope dilution ICPMS with a hexapole collision cell. <i>Analytical Chemistry</i> , 2007 , 79, 9128-34	7.8	72
2	Acute toxicity of nano- and micro-scale zinc powder in healthy adult mice. <i>Toxicology Letters</i> , 2006 , 161, 115-23	4.4	232
1	Nanotoxicity of Metal Oxide Nanoparticles in Vivo		247-269 4