

Hanqing Chen

List of Publications by Year in descending order

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38
papers

1,298
citations

471509

17
h-index

361022

35
g-index

40
all docs

40
docs citations

40
times ranked

2046
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadâ€‘Spectrum Antibacterial Activity of Carbon Nanotubes to Human Gut Bacteria. <i>Small</i> , 2013, 9, 2735-2746.	10.0	236
2	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.	4.5	139
3	Bacterial cytoplasmic membranes synergistically enhance the antitumor activity of autologous cancer vaccines. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	109
4	DEP domainâ€‘containing mTORâ€‘interacting protein suppresses lipogenesis and ameliorates hepatic steatosis and acuteâ€‘onâ€‘chronic liver injury in alcoholic liver disease. <i>Hepatology</i> , 2018, 68, 496-514.	7.3	85
5	Time-resolved ICP-MS analysis of mineral element contents and distribution patterns in single cells. <i>Analyst</i> , The, 2015, 140, 523-531.	3.5	76
6	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.	3.3	76
7	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.	9.1	59
8	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.	2.4	48
9	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.	3.7	45
10	Oral magnetite nanoparticles disturb the development of <i>Drosophila melanogaster</i> from oogenesis to adult emergence. <i>Nanotoxicology</i> , 2015, 9, 302-312.	3.0	43
11	Acute Oral Administration of Singleâ€‘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.	7.6	40
12	Application of vitamin E to antagonize SWCNTs-induced exacerbation of allergic asthma. <i>Scientific Reports</i> , 2014, 4, 4275.	3.3	35
13	Rapamycin-Loaded mPEG-PLGA Nanoparticles Ameliorate Hepatic Steatosis and Liver Injury in Non-alcoholic Fatty Liver Disease. <i>Frontiers in Chemistry</i> , 2020, 8, 407.	3.6	31
14	Colonic mucus-accumulating tungsten oxide nanoparticles improve the colitis therapy by targeting Enterobacteriaceae. <i>Nano Today</i> , 2021, 39, 101234.	11.9	28
15	Nutrient mTORC1 signaling contributes to hepatic lipid metabolism in the pathogenesis of non-alcoholic fatty liver disease. <i>Liver Research</i> , 2020, 4, 15-22.	1.4	27
16	Adsorption and oxidation of SO ₂ on the surface of TiO ₂ nanoparticles: the role of terminal hydroxyl and oxygen vacancyâ€‘Ti ³⁺ states. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9943-9953.	2.8	21
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.	2.4	20
18	Nanomedicine targets iron metabolism for cancer therapy. <i>Cancer Science</i> , 2022, 113, 828-837.	3.9	19

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19	Coculture with Low-Dose SWCNT Attenuates Bacterial Invasion and Inflammation in Human Enterocyte-Like Caco-2 Cells. <i>Small</i> , 2015, 11, 4366-4378.	10.0	18
20	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.	3.1	17
21	Detection and remediation of mercury contaminated environment by nanotechnology: Progress and challenges. <i>Environmental Pollution</i> , 2022, 293, 118557.	7.5	17
22	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.	3.0	16
23	Polyvinylpyrrolidone functionalization induces deformable structure of graphene oxide nanosheets for lung-targeting delivery. <i>Nano Today</i> , 2021, 38, 101151.	11.9	16
24	In vivo pharmacokinetics, transfer and clearance study of graphene oxide by La/Ce dual elemental labelling method. <i>NanoImpact</i> , 2020, 17, 100213.	4.5	15
25	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.	4.5	12
26	Transferrin Adsorbed on PEGylated Gold Nanoparticles and Its Relevance to Targeting Specificity. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 5306-5313.	0.9	11
27	AgNPs Aggravated Hepatic Steatosis, Inflammation, Oxidative Stress, and Epigenetic Changes in Mice With NAFLD Induced by HFD. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, .	4.1	11
28	Structure and catalytic activities of ferrous centers confined on the interface between carbon nanotubes and humic acid. <i>Nanoscale</i> , 2015, 7, 2651-2658.	5.6	7
29	In Vivo Toxicity Evaluation of Graphene Oxide in Drosophila Melanogaster After Oral Administration. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 7472-7478.	0.9	5
30	Multiscale Synchrotron-Based Imaging Analysis for the Transfer of PEGylated Gold Nanoparticles In Vivo. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 1462-1474.	5.2	5
31	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.	3.5	4
32	Three-Step Tomographic Algorithm for Ionospheric Electron Density Reconstruction. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-8.	6.3	2
33	A Novel Real-Time Error Adjustment Method With Considering Four Factors for Correcting Hourly Multi-Satellite Precipitation Estimates. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-11.	6.3	2
34	IDDF2021-ABS-0207â€¦Type 2 resistant starch improves liver steatosis induced by high-fat diet relating to gut microbiota regulation and concentration of propionic acid in portal vein blood in C57BL/6J mice. , 2021, , .		1
35	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.	7.6	0
36	Enhanced Antitumor Efficacy of Docetaxel-Loaded Monomethoxy Poly(ethylene glycol)-Poly(D, L) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 <i>Nanoscience and Nanotechnology</i> , 2020, 20, 7263-7270.	0.9	0

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37	Interaction of Humic Acid with Graphene Oxide: Relation to Antibacterial Activities Against Escherichia coli. Journal of Nanoscience and Nanotechnology, 2021, 21, 1430-1438.	0.9	0
38	IDDF2021-ABS-0205â€¦Akkermansia viable bacteria improves liver steatosis induced by high-fat diet relating to the regulation of gut microbiota in C57BL/6J MICE. , 2021, , .		0