Sijin Liu

List of Publications by Year in descending order

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Version: 2024-02-01

171	7,101	57631	74018
papers	citations	44 h-index	75 g-index

173	173	173	10243
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crucial Role of Lateral Size for Graphene Oxide in Activating Macrophages and Stimulating Pro-inflammatory Responses in Cells and Animals. ACS Nano, 2015, 9, 10498-10515.	7.3	347
2	Improved In Vitro and In Vivo Biocompatibility of Graphene Oxide through Surface Modification: Poly(Acrylic Acid)-Functionalization is Superior to PEGylation. ACS Nano, 2016, 10, 3267-3281.	7.3	324
3	Metalâ€“Organicâ€Frameworkâ€Derived Mesoporous Carbon Nanospheres Containing Porphyrinâ€Like Metal Centers for Conformal Phototherapy. Advanced Materials, 2016, 28, 8379-8387.	11.1	264
4	Inhibition of Rho-Associated Kinase Signaling Prevents Breast Cancer Metastasis to Human Bone. Cancer Research, 2009, 69, 8742-8751.	0.4	235
5	Graphene Oxide Induces Toll-like Receptor 4 (TLR4)-Dependent Necrosis in Macrophages. ACS Nano, 2013, 7, 5732-5745.	7.3	229
6	Estrogen regulates iron homeostasis through governing hepatic hepcidin expression via an estrogen response element. Gene, 2012, 511, 398-403.	1.0	157
7	Improved Biocompatibility of Black Phosphorus Nanosheets by Chemical Modification. Angewandte Chemie - International Edition, 2017, 56, 14488-14493.	7.2	143
8	Twoâ€Dimensional Nanomaterials for Cancer Nanotheranostics. Small, 2017, 13, 1603446.	5.2	130
9	Silver Nanoparticles Induced RNA Polymerase-Silver Binding and RNA Transcription Inhibition in Erythroid Progenitor Cells. ACS Nano, 2013, 7, 4171-4186.	7.3	128
10	Lowâ€Dose Bisphenol A Exposure: A Seemingly Instigating Carcinogenic Effect on Breast Cancer. Advanced Science, 2017, 4, 1600248.	5.6	124
11	Emerging health risks and underlying toxicological mechanisms of uranium contamination: Lessons from the past two decades. Environment International, 2020, 145, 106107.	4.8	122
12	How Entanglement of Different Physicochemical Properties Complicates the Prediction of in Vitro and in Vivo Interactions of Gold Nanoparticles. ACS Nano, 2018, 12, 10104-10113.	7.3	113
13	Graphene Oxide Induced Perturbation to Plasma Membrane and Cytoskeletal Meshwork Sensitize Cancer Cells to Chemotherapeutic Agents. ACS Nano, 2017, 11, 2637-2651.	7.3	110
14	Mechanisms of nanosilver-induced toxicological effects: more attention should be paid to its sublethal effects. Nanoscale, 2015, 7, 7470-7481.	2.8	109
15	The effects and the potential mechanism of environmental transformation of metal nanoparticles on their toxicity in organisms. Environmental Science: Nano, 2018, 5, 2482-2499.	2.2	109
16	Disordered hepcidinâ€“ferroportin signaling promotes breast cancer growth. Cellular Signalling, 2014, 26, 2539-2550.	1.7	108
17	Depriving Iron Supply to the Virus Represents a Promising Adjuvant Therapeutic Against Viral Survival. Current Clinical Microbiology Reports, 2020, 7, 13-19.	1.8	105
18	Nanosilver Incurs an Adaptive Shunt of Energy Metabolism Mode to Glycolysis in Tumor and Nontumor Cells. ACS Nano, 2014, 8, 5813-5825.	7.3	92

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19	Vacancies on 2D transition metal dichalcogenides elicit ferroptotic cell death. Nature Communications, 2020, 11, 3484.	5.8	90
20	Nanoparticle-induced ferroptosis: detection methods, mechanisms and applications. Nanoscale, 2021, 13, 2266-2285.	2.8	88
21	Silver nanoparticle-induced hemoglobin decrease involves alteration of histone 3 methylation status. Biomaterials, 2015, 70, 12-22.	5.7	87
22	Oral Exposure to Silver Nanoparticles or Silver Ions May Aggravate Fatty Liver Disease in Overweight Mice. Environmental Science & Technology, 2017, 51, 9334-9343.	4.6	84
23	Regulation of Cell Uptake and Cytotoxicity by Nanoparticle Core under the Controlled Shape, Size, and Surface Chemistries. ACS Nano, 2020, 14, 289-302.	7.3	83
24	Pulmonary diseases induced by ambient ultrafine and engineered nanoparticles in twenty-first century. National Science Review, 2016, 3, 416-429.	4.6	82
25	Steam disinfection releases micro(nano)plastics from silicone-rubber baby teats as examined by optical photothermal infrared microspectroscopy. Nature Nanotechnology, 2022, 17, 76-85.	15.6	82
26	The function of heme-regulated eIF2Î± kinase in murine iron homeostasis and macrophage maturation. Journal of Clinical Investigation, 2007, 117, 3296-3305.	3.9	81
27	Hepcidin. Medicine (United States), 2016, 95, e3150.	0.4	76
28	Black Phosphorus-Based Multimodal Nanoagent: Showing Targeted Combinatory Therapeutics against Cancer Metastasis. Nano Letters, 2019, 19, 5587-5594.	4.5	73
29	The Crucial Role of Environmental Coronas in Determining the Biological Effects of Engineered Nanomaterials. Small, 2020, 16, e2003691.	5.2	66
30	In situremediation of subsurface contamination: opportunities and challenges for nanotechnology and advanced materials. Environmental Science: Nano, 2019, 6, 1283-1302.	2.2	65
31	An important role of the hepcidin–ferroportin signaling in affecting tumor growth and metastasis. Acta Biochimica Et Biophysica Sinica, 2015, 47, 703-715.	0.9	64
32	Double-edge sword roles of iron in driving energy production versus instigating ferroptosis. Cell Death and Disease, 2022, 13, 40.	2.7	61
33	X-ray-Based Techniques to Study the Nanoâ€“Bio Interface. ACS Nano, 2021, 15, 3754-3807.	7.3	60
34	Molybdenum disulfide/graphene oxide nanocomposites show favorable lung targeting and enhanced drug loading/tumor-killing efficacy with improved biocompatibility. NPG Asia Materials, 2018, 10, e458-e458.	3.8	58
35	CdSe Quantum Dot (QD)-Induced Morphological and Functional Impairments to Liver in Mice. PLoS ONE, 2011, 6, e24406.	1.1	58
36	Passage of exogeneous fine particles from the lung into the brain in humans and animals. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	55

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37	Cytotoxicity of quantum dots and graphene oxide to erythroid cells and macrophages. Nanoscale Research Letters, 2013, 8, 198.	3.1	54
38	C60 Fullerols Enhance Copper Toxicity and Alter the Leaf Metabolite and Protein Profile in Cucumber. Environmental Science & Technology, 2019, 53, 2171-2180.	4.6	53
39	Polychlorinated Biphenyls (PCBs) Enhance Metastatic Properties of Breast Cancer Cells by Activating Rho-Associated Kinase (ROCK). PLoS ONE, 2010, 5, e11272.	1.1	52
40	Mesoporous carbon nanomaterials induced pulmonary surfactant inhibition, cytotoxicity, inflammation and lung fibrosis. Journal of Environmental Sciences, 2017, 62, 100-114.	3.2	50
41	Synthesis of different-sized gold nanostars for Raman bioimaging and photothermal therapy in cancer nanotheranostics. Science China Chemistry, 2017, 60, 1219-1229.	4.2	49
42	Disordered signaling governing ferroportin transcription favors breast cancer growth. Cellular Signalling, 2015, 27, 168-176.	1.7	48
43	LncRNA MT1DP Aggravates Cadmiumâ€Induced Oxidative Stress by Repressing the Function of Nrf2 and is Dependent on Interaction with miRâ€365. Advanced Science, 2018, 5, 1800087.	5.6	48
44	Low concentrations of bisphenol A promote human ovarian cancer cell proliferation and glycolysis-based metabolism through the estrogen receptor-Î± pathway. Chemosphere, 2017, 185, 361-367.	4.2	47
45	Evaluation of the Biological Fate and the Transport Through Biological Barriers of Nanosilver in Mice. Current Pharmaceutical Design, 2013, 19, 6691-6697.	0.9	46
46	The ex vivo and in vivo biological performances of graphene oxide and the impact of surfactant on graphene oxide's biocompatibility. Journal of Environmental Sciences, 2013, 25, 873-881.	3.2	45
47	Induction of oxidative stress and sensitization of cancer cells to paclitaxel by gold nanoparticles with different charge densities and hydrophobicities. Journal of Materials Chemistry B, 2018, 6, 1633-1639.	2.9	45
48	Enhanced hepatic cytotoxicity of chemically transformed polystyrene microplastics by simulated gastric fluid. Journal of Hazardous Materials, 2021, 410, 124536.	6.5	45
49	Structure activity relationships of engineered nanomaterials in inducing NLRP3 inflammasome activation and chronic lung fibrosis. NanoImpact, 2017, 6, 99-108.	2.4	44
50	miR-214 protects erythroid cells against oxidative stress by targeting ATF4 and EZH2. Free Radical Biology and Medicine, 2016, 92, 39-49.	1.3	43
51	Graphene Oxide Promotes Cancer Metastasis through Associating with Plasma Membrane To Promote TGF-Î² Signaling-Dependent Epithelialâ€“Mesenchymal Transition. ACS Nano, 2020, 14, 818-827.	7.3	43
52	Haemâ€regulated eIF2Î± kinase is necessary for adaptive gene expression in erythroid precursors under the stress of iron deficiency. British Journal of Haematology, 2008, 143, 129-137.	1.2	42
53	Genomeâ€Wide DNA Methylation Variations upon Exposure to Engineered Nanomaterials and Their Implications in Nanosafety Assessment. Advanced Materials, 2017, 29, 1604580.	11.1	41
54	The ROCK signaling and breast cancer metastasis. Molecular Biology Reports, 2011, 38, 1363-1366.	1.0	40

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55	LncRNA UCA1 attenuates autophagy-dependent cell death through blocking autophagic flux under arsenic stress. Toxicology Letters, 2018, 284, 195-204.	0.4	40
56	Computational Investigations of the Interaction between the Cell Membrane and Nanoparticles Coated with a Pulmonary Surfactant. ACS Applied Materials & Interfaces, 2018, 10, 20368-20376.	4.0	40
57	Nrf-2-driven long noncoding RNA ODRUL contributes to modulating silver nanoparticle-induced effects on erythroid cells. Biomaterials, 2017, 130, 14-27.	5.7	39
58	Embryonic stem cell- and transcriptomics-based in vitro analyses reveal that bisphenols A, F and S have similar and very complex potential developmental toxicities. Ecotoxicology and Environmental Safety, 2019, 176, 330-338.	2.9	39
59	Estrogen contributes to regulating iron metabolism through governing ferroportin signaling via an estrogen response element. Cellular Signalling, 2015, 27, 934-942.	1.7	37
60	Susceptibility of Overweight Mice to Liver Injury as a Result of the ZnO Nanoparticle-Enhanced Liver Deposition of Pb²⁺. Environmental Science & Technology, 2017, 51, 1775-1784.	4.6	35
61	Reduction pathway-dependent cytotoxicity of reduced graphene oxide. Environmental Science: Nano, 2018, 5, 1361-1371.	2.2	33
62	Iron homeostasis in pregnancy and spontaneous abortion. American Journal of Hematology, 2019, 94, 184-188.	2.0	33
63	Nanocrystal facet modulation to enhance transferrin binding and cellular delivery. Nature Communications, 2020, 11, 1262.	5.8	33
64	Continued Efforts on Nanomaterialâ€Environmental Health and Safety Is Critical to Maintain Sustainable Growth of Nanoindustry. Small, 2020, 16, e2000603.	5.2	33
65	Quantum dots impair macrophagic morphology and the ability of phagocytosis by inhibiting the Rho-associated kinase signaling. Nanoscale, 2012, 4, 2239.	2.8	32
66	Influence of functional groups on toxicity of carbon nanomaterials. Atmospheric Chemistry and Physics, 2019, 19, 8175-8187.	1.9	32
67	Long non-coding RNA MT1DP shunts the cellular defense to cytotoxicity through crosstalk with MT1H and RhoC in cadmium stress. Cell Discovery, 2018, 4, 5.	3.1	31
68	The biotransformation of graphene oxide in lung fluids significantly alters its inherent properties and bioactivities toward immune cells. NPG Asia Materials, 2018, 10, 385-396.	3.8	31
69	Determining the Cytotoxicity of Rare Earth Element Nanoparticles in Macrophages and the Involvement of Membrane Damage. Environmental Science & Technology, 2017, 51, 13938-13948.	4.6	30
70	Binding of Benzo[<i>a</i>]pyrene Alters the Bioreactivity of Fine Biochar Particles toward Macrophages Leading to Deregulated Macrophagic Defense and Autophagy. ACS Nano, 2021, 15, 9717-9731.	7.3	29
71	Biophysical Assessment of Pulmonary Surfactant Predicts the Lung Toxicity of Nanomaterials. Small Methods, 2018, 2, 1700367.	4.6	28
72	Silver nanoparticles selectively induce human oncogenic Î³-herpesvirus-related cancer cell death through reactivating viral lytic replication. Cell Death and Disease, 2019, 10, 392.	2.7	28

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73	Establishment of a novel orthotopic model of breast cancer metastasis to the lung. Oncology Reports, 2015, 33, 2992-2998.	1.2	27
74	Oxygen content determines the bio-reactivity and toxicity profiles of carbon black particles. Ecotoxicology and Environmental Safety, 2018, 150, 207-214.	2.9	27
75	Diethyldithiocarbamate-copper nanocomplex reinforces disulfiram chemotherapeutic efficacy through light-triggered nuclear targeting. Theranostics, 2020, 10, 6384-6398.	4.6	27
76	TiO2 particles in seafood and surimi products: Attention should be paid to their exposure and uptake through foods. Chemosphere, 2017, 188, 541-547.	4.2	26
77	Bisphenol A and polychlorinated biphenyls enhance the cancer stem cell properties of human ovarian cancer cells by activating the WNT signaling pathway. Chemosphere, 2020, 246, 125775.	4.2	26
78	Disruption of iron homeostasis and resultant health effects upon exposure to various environmental pollutants: A critical review. Journal of Environmental Sciences, 2015, 34, 155-164.	3.2	25
79	Polychlorinated Biphenyls (PCBs) Inhibit Hepcidin Expression through an Estrogen-Like Effect Associated with Disordered Systemic Iron Homeostasis. Chemical Research in Toxicology, 2015, 28, 629-640.	1.7	25
80	From the lung to the knee joint: Toxicity evaluation of carbon black nanoparticles on macrophages and chondrocytes. Journal of Hazardous Materials, 2018, 353, 329-339.	6.5	25
81	Low-dose PCB126 compromises circadian rhythms associated with disordered glucose and lipid metabolism in mice. Environment International, 2019, 128, 146-157.	4.8	25
82	Liver-derived exosome-laden lncRNA MT1DP aggravates cadmium-induced nephrotoxicity. Environmental Pollution, 2020, 258, 113717.	3.7	25
83	Adverse Impact of Heavy Metals on Bone Cells and Bone Metabolism Dependently and Independently through Anemia. Advanced Science, 2020, 7, 2000383.	5.6	25
84	Hepcidin deficiency undermines bone load-bearing capacity through inducing iron overload. Gene, 2014, 543, 161-165.	1.0	24
85	New thiazolidinones reduce iron overload in mouse models of hereditary hemochromatosis and Î²-thalassemia. Haematologica, 2019, 104, 1768-1781.	1.7	24
86	Bisphenol A induces ovarian cancer cell proliferation and metastasis through estrogen receptor-Î± pathways. Environmental Science and Pollution Research, 2021, 28, 36060-36068.	2.7	24
87	Synergistic hepatotoxicity by cadmium and chlorpyrifos: Disordered hepatic lipid homeostasis. Molecular Medicine Reports, 2015, 12, 303-308.	1.1	23
88	Icariin regulates systemic iron metabolism by increasing hepatic hepcidin expression through Stat3 and Smad1/5/8 signaling. International Journal of Molecular Medicine, 2016, 37, 1379-1388.	1.8	23
89	Carbon nanotubes stimulate synovial inflammation by inducing systemic pro-inflammatory cytokines. Nanoscale, 2016, 8, 18070-18086.	2.8	23
90	Carbon Nanotubes Disrupt Iron Homeostasis and Induce Anemia of Inflammation through Inflammatory Pathway as a Secondary Effect Distant to Their Portalâ€ofâ€Entry. Small, 2017, 13, 1603830.	5.2	23

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91	Reduction of graphene oxide alters its cyto-compatibility towards primary and immortalized macrophages. Nanoscale, 2018, 10, 14637-14650.	2.8	23
92	Antiviral nanoagents: More attention and effort needed?. Nano Today, 2020, 35, 100976.	6.2	23
93	Understanding the knowledge gaps between air pollution controls and health impacts including pathogen epidemic. Environmental Research, 2020, 189, 109949.	3.7	23
94	Tuning the physicochemical properties of reticular covalent organic frameworks (COFs) for biomedical applications. Journal of Materials Chemistry B, 2021, 9, 6116-6128.	2.9	23
95	Nanotechnology: new opportunities for the development of patchâ€clamps. Journal of Nanobiotechnology, 2021, 19, 97.	4.2	23
96	Improved Biocompatibility of Black Phosphorus Nanosheets by Chemical Modification. Angewandte Chemie, 2017, 129, 14680-14685.	1.6	22
97	LncRNA PU.1 AS regulates arsenic-induced lipid metabolism through EZH2/Sirt6/SREBP-1c pathway. Journal of Environmental Sciences, 2019, 85, 138-146.	3.2	22
98	TCDD promotes liver fibrosis through disordering systemic and hepatic iron homeostasis. Journal of Hazardous Materials, 2020, 395, 122588.	6.5	22
99	Graphene Oxide Causes Disordered Zonation Due to Differential Intralobular Localization in the Liver. ACS Nano, 2020, 14, 877-890.	7.3	21
100	Elevated non-essential metals and the disordered metabolism of essential metals are associated to abnormal pregnancy with spontaneous abortion. Environment International, 2020, 144, 106061.	4.8	21
101	The cardinal roles of ferroportin and its partners in controlling cellular iron in and out. Life Sciences, 2020, 258, 118135.	2.0	21
102	Deficiency of heme-regulated eIF2Â kinase decreases hepcidin expression and splenic iron in HFE-/- mice. Haematologica, 2008, 93, 753-756.	1.7	20
103	Environmental and biological influences on the stability of silver nanoparticles. Science Bulletin, 2011, 56, 2009-2015.	1.7	20
104	Green Algae as Carriers Enhance the Bioavailability of ¹⁴C-Labeled Few-Layer Graphene to Freshwater Snails. Environmental Science & Technology, 2018, 52, 1591-1601.	4.6	20
105	Bridge knowledge gaps in environmental health and safety for sustainable development of nano-industries. Nano Today, 2018, 23, 11-15.	6.2	20
106	Protein target identification and toxicological mechanism investigation of silver nanoparticles-induced hepatotoxicity by integrating proteomic and metallomic strategies. Particle and Fibre Toxicology, 2019, 16, 46.	2.8	20
107	Low-dose exposure to graphene oxide significantly increases the metal toxicity to macrophages by altering their cellular priming state. Nano Research, 2018, 11, 4111-4122.	5.8	19
108	Preliminary investigation on cytotoxicity of fluorinated polymer nanoparticles. Journal of Environmental Sciences, 2018, 69, 217-226.	3.2	19

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109	LncRNA UCA1 Antagonizes Arsenicâ€Induced Cell Cycle Arrest through Destabilizing EZH2 and Facilitating NFATc2 Expression. Advanced Science, 2020, 7, 1903630.	5.6	19
110	Bio-transformation of Graphene Oxide in Lung Fluids Significantly Enhances Its Photothermal Efficacy. Nanotheranostics, 2018, 2, 222-232.	2.7	18
111	Improved Healing of Diabetic Foot Ulcer upon Oxygenation Therapeutics through Oxygen-Loading Nanoperfluorocarbon Triggered by Radial Extracorporeal Shock Wave. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-10.	1.9	18
112	Palladium nanoplates scotch breast cancer lung metastasis by constraining epithelial-mesenchymal transition. National Science Review, 2021, 8, .	4.6	18
113	A protective role of heme-regulated eIF2Î± kinase in cadmium-induced toxicity in erythroid cells. Food and Chemical Toxicology, 2013, 62, 880-891.	1.8	17
114	Chinaâ€™s Fight for Clean Air and Human Health. Environmental Science & Technology, 2018, 52, 8063-8064.	4.6	17
115	Diagnostic significance of metallothionein members in recognizing cadmium exposure in various organs under low-dose exposure. Chemosphere, 2019, 229, 32-40.	4.2	17
116	Graphene oxide regulates cox2 in human embryonic kidney 293T cells via epigenetic mechanisms: dynamic chromosomal interactions. Nanotoxicology, 2018, 12, 117-137.	1.6	16
117	Multihierarchically Profiling the Biological Effects of Various Metal-Based Nanoparticles in Macrophages under Low Exposure Doses. ACS Sustainable Chemistry and Engineering, 2018, 6, 10374-10384.	3.2	16
118	A protective role of Heme-regulated eIF2Î± kinase in cadmium-induced liver and kidney injuries. Chemosphere, 2017, 185, 284-289.	4.2	15
119	Amphiphilic silver nanoclusters show active nanoâ€“bio interaction with compelling antibacterial activity against multidrug-resistant bacteria. NPG Asia Materials, 2020, 12, .	3.8	15
120	Use of macrophage as a Trojan horse for cancer nanotheranostics. Materials and Design, 2021, 198, 109388.	3.3	15
121	Development of Human Lung Induction Models for Air Pollutantsâ€™ Toxicity Assessment. Environmental Science & Technology, 2021, 55, 2440-2451.	4.6	15
122	Biochar Fine Particles Enhance Uptake of Benzo(a)pyrene to Macrophages and Epithelial Cells via Different Mechanisms. Environmental Science and Technology Letters, 2021, 8, 218-223.	3.9	15
123	Desferrioxamine-caffeine shows improved efficacy in chelating iron and depleting cancer stem cells. Journal of Trace Elements in Medicine and Biology, 2019, 52, 232-238.	1.5	14
124	Promoting platelets is a therapeutic option to combat severe viral infection of the lung. Blood Advances, 2020, 4, 1640-1642.	2.5	14
125	Nanoscale perfluorocarbon expediates bone fracture healing through selectively activating osteoblastic differentiation and functions. Journal of Nanobiotechnology, 2020, 18, 84.	4.2	13
126	On the developmental toxicity of silver nanoparticles. Materials and Design, 2021, 203, 109611.	3.3	12

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127	Intrusion of inhaled exotic ultrafine particles into the knee joint in humans and animals: A risk to the joint and surrounding tissues. Nano Today, 2022, 43, 101426.	6.2	12
128	Radial extracorporeal shock wave promotes the enhanced permeability and retention effect to reinforce cancer nanothermotherapeutics. Science Bulletin, 2019, 64, 679-689.	4.3	11
129	Ageing remarkably alters the toxicity of carbon black particles towards susceptible cells: determined by differential changes of surface oxygen groups. Environmental Science: Nano, 2020, 7, 1633-1641.	2.2	11
130	Identification of two-dimensional copper signatures in human blood for bladder cancer with machine learning. Chemical Science, 2022, 13, 1648-1656.	3.7	11
131	Excess iron undermined bone load-bearing capacity through tumor necrosis factor-Î±-dependent osteoclastic activation in mice. Biomedical Reports, 2013, 1, 85-88.	0.9	10
132	Silver Nanoparticles Compromise Female Embryonic Stem Cell Differentiation through Disturbing X Chromosome Inactivation. ACS Nano, 2019, 13, 2050-2061.	7.3	10
133	A Designed Î±â€GalCer Analog Promotes Considerable Th1 Cytokine Response by Activating the CD1dâ€iNKT Axis and CD11bâ€Positive Monocytes/Macrophages. Advanced Science, 2020, 7, 2000609.	5.6	10
134	m6A demethylation of cytidine deaminase APOBEC3B mRNA orchestrates arsenic-induced mutagenesis. Journal of Biological Chemistry, 2022, 298, 101563.	1.6	10
135	Cadmium depletes cellular iron availability through enhancing ferroportin translation via iron responsive element. Molecular Medicine Reports, 2015, 11, 3129-3133.	1.1	9
136	Heme-Regulated eIF2Î± Kinase Plays a Crucial Role in Protecting Erythroid Cells against Pb-Induced Hemolytic Stress. Chemical Research in Toxicology, 2015, 28, 460-469.	1.7	9
137	Airway Epithelial Hepcidin Coordinates Lung Macrophages and Immunity Against Bacterial Pneumonia. Shock, 2020, 54, 402-412.	1.0	9
138	Tumor-specific fluorescence activation of rhodamine isothiocyanate derivatives. Journal of Controlled Release, 2021, 330, 842-850.	4.8	9
139	Disordered serum erythroferrone and hepcidin levels as indicators of the spontaneous abortion occurrence during early pregnancy in humans. British Journal of Haematology, 2021, 192, 643-651.	1.2	9
140	Silver nanoclusters show advantages in macrophage tracing in vivo and modulation of anti-tumor immuno-microenvironment. Journal of Controlled Release, 2022, 348, 470-482.	4.8	9
141	The associations between the environmental exposure to polychlorinated biphenyls (PCBs) and breast cancer risk and progression. Science China Chemistry, 2010, 53, 974-979.	4.2	8
142	Quantum dots (QDs) restrain human cervical carcinoma HeLa cell proliferation through inhibition of the ROCK-c-Myc signaling. Integrative Biology (United Kingdom), 2013, 5, 590.	0.6	8
143	An Important Function of Petrosiol E in Inducing the Differentiation of Neuronal Progenitors and in Protecting Them against Oxidative Stress. Advanced Science, 2017, 4, 1700089.	5.6	8
144	Carbon black-induced detrimental effect on osteoblasts at low concentrations: Remarkably compromised differentiation without significant cytotoxicity. Ecotoxicology and Environmental Safety, 2019, 178, 211-220.	2.9	8

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145	Cocktail strategy based on a dual function nanoparticle and immune activator for effective tumor suppressive. Journal of Nanobiotechnology, 2022, 20, 84.	4.2	8
146	The deubiquitinase USP7 regulates oxidative stress through stabilization of HO-1. Oncogene, 2022, 41, 4018-4027.	2.6	8
147	CdSe Quantum Dots Incurred Hemoglobin RNA Transcription Inhibition in Embryonic Erythroid Precursors and Compromised Embryonic Development in Mice under Low-Dose Exposure. ACS Sustainable Chemistry and Engineering, 2018, 6, 4164-4173.	3.2	7
148	Adverse Effects of Fine-Particle Exposure on Joints and Their Surrounding Cells and Microenvironment. ACS Nano, 2019, 13, 2729-2748.	7.3	7
149	Ageing alters the physicochemical properties of silver nanoparticles and consequently compromises their acute toxicity in mammals. Ecotoxicology and Environmental Safety, 2020, 196, 110487.	2.9	7
150	Co(<scp>ii</scp>)-based metalâ€“organic framework induces apoptosis through activating the HIF-1Î±/BNIP3 signaling pathway in microglial cells. Environmental Science: Nano, 2021, 8, 2866-2882.	2.2	7
151	LncRNA MT1DP promotes cadmium-induced DNA replication stress by inhibiting chromatin recruitment of SMARCAL1. Science of the Total Environment, 2022, 807, 151078.	3.9	7
152	Two-dimensional nanoparticles for the delivery of anticancer drugs and cancer therapy. Frontiers of Nanoscience, 2020, 16, 151-199.	0.3	6
153	Surface Chemical Modifications of Graphene Oxide and Interaction Mechanisms at the Nano-Bio Interface. Acta Chimica Sinica, 2020, 78, 877.	0.5	6
154	Phototherapy: Metalâ€“Organicâ€Frameworkâ€Derived Mesoporous Carbon Nanospheres Containing Porphyrinâ€Like Metal Centers for Conformal Phototherapy (Adv. Mater. 38/2016). Advanced Materials, 2016, 28, 8318-8318.	11.1	5
155	Unexpected reversible and controllable nuclear uptake and efflux of the DNA â€œlight-switchingâ€• Ru(ii)-polypyridyl complex in living cellsviaion-pairing with chlorophenolate counter-anions. Journal of Materials Chemistry B, 2020, 8, 10327-10336.	2.9	5
156	Silver nanoparticles compromise the development of mouse pubertal mammary glands through disrupting internal estrogen signaling. Nanotoxicology, 2020, 14, 740-756.	1.6	5
157	Optical Imaging and Highâ€Accuracy Quantification of Intracellular Iron Contents. Small, 2021, 17, e2005474.	5.2	5
158	In Search of Zonation Markers to Identify Liver Functional Disorders. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-9.	1.9	5
159	Palladium Nanoplate-Based IL-6 Receptor Antagonists Ameliorate Cancer-Related Anemia and Simultaneously Inhibit Cancer Progression. Nano Letters, 2022, 22, 751-760.	4.5	5
160	Distinct Iron Deposition Profiles of Liver Zones in Various Models with Iron Homeostasis Disorders. Advanced Science, 2018, 5, 1800866.	5.6	4
161	Sublethal exposure of organophosphate pesticide chlorpyrifos alters cellular iron metabolism in hepatocytes and macrophages. International Journal of Molecular Medicine, 2014, 34, 1395-1400.	1.8	3
162	Ageing Significantly Alters the Physicochemical Properties and Associated Cytotoxicity Profiles of Ultrafine Particulate Matters towards Macrophages. Antioxidants, 2022, 11, 754.	2.2	3

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163	Distinct responses from triglyceride and cholesterol metabolism in common carp (Cyprinus carpio) upon environmental cadmium exposure. Aquatic Toxicology, 2022, 249, 106239.	1.9	3
164	A crucial role of heme-regulated eIF2Î± kinase in maintaining cytoskeletal meshwork under an oxygen deficient condition. Science Bulletin, 2017, 62, 1045-1047.	4.3	2
165	Emerging investigator series: enhanced peroxidase-like activity and improved antibacterial performance of palladium nanosheets by an alginate-corona. Environmental Science: Nano, 2021, 8, 3511-3523.	2.2	2
166	Carbon Nanotubes: Carbon Nanotubes Disrupt Iron Homeostasis and Induce Anemia of Inflammation through Inflammatory Pathway as a Secondary Effect Distant to Their Portalâ€ofâ€Entry (Small 15/2017). Small, 2017, 13, .	5.2	1
167	RÃ¼cktitelbild: Improved Biocompatibility of Black Phosphorus Nanosheets by Chemical Modification (Angew. Chem. 46/2017). Angewandte Chemie, 2017, 129, 14966-14966.	1.6	1
168	Continuous efforts to understand the environmental health and safety (EHS) of nanomaterials for safer applications. Ecotoxicology and Environmental Safety, 2020, 202, 110894.	2.9	1
169	Extracorporeal Shock Wave Therapy: Quantitative Assessments of Mechanical Responses upon Radial Extracorporeal Shock Wave Therapy (Adv. Sci. 3/2018). Advanced Science, 2018, 5, 1870015.	5.6	0
170	Optical Microscopy: Optical Imaging and Highâ€Accuracy Quantification of Intracellular Iron Contents (Small 2/2021). Small, 2021, 17, 2170005.	5.2	0
171	HRI Protects Erythroid Precursors in Iron Deficiency and in Î²-Thalassemia by Maintaining GATA-1 and Fog-1 Expressions.. Blood, 2006, 108, 266-266.	0.6	0