

Sijin Liu

List of Publications by Year in Descending Order

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

162
papers

4,821
citations

37
h-index

63
g-index

173
ext. papers

6,007
ext. citations

9.4
avg, IF

6.02
L-index

#	Paper	IF	Citations
162	Double-edge sword roles of iron in driving energy production versus instigating ferroptosis.. <i>Cell Death and Disease</i> , 2022 , 13, 40	9.8	5
161	Identification of two-dimensional copper signatures in human blood for bladder cancer with machine learning.. <i>Chemical Science</i> , 2022 , 13, 1648-1656	9.4	2
160	m6A demethylation of cytidine deaminase APOBEC3B mRNA orchestrates arsenic-induced mutagenesis.. <i>Journal of Biological Chemistry</i> , 2022 , 101563	5.4	0
159	Intrusion of inhaled exotic ultrafine particles into the knee joint in humans and animals: A risk to the joint and surrounding tissues. <i>Nano Today</i> , 2022 , 43, 101426	17.9	1
158	Cocktail strategy based on a dual function nanoparticle and immune activator for effective tumor suppressive.. <i>Journal of Nanobiotechnology</i> , 2022 , 20, 84	9.4	
157	Steam disinfection releases micro(nano)plastics from silicone-rubber baby teats as examined by optical photothermal infrared microspectroscopy. <i>Nature Nanotechnology</i> , 2021 ,	28.7	8
156	Emerging investigator series: enhanced peroxidase-like activity and improved antibacterial performance of palladium nanosheets by an alginate-corona. <i>Environmental Science: Nano</i> , 2021 , 8, 3511-3523	7.1	0
155	LncRNA MT1DP promotes cadmium-induced DNA replication stress by inhibiting chromatin recruitment of SMARCAL1. <i>Science of the Total Environment</i> , 2021 , 807, 151078	10.2	1
154	Biochar Fine Particles Enhance Uptake of Benzo(a)pyrene to Macrophages and Epithelial Cells via Different Mechanisms. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 218-223	11	4
153	Bisphenol A induces ovarian cancer cell proliferation and metastasis through estrogen receptor- β pathways. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 36060-36068	5.1	5
152	X-ray-Based Techniques to Study the Nano-Bio Interface. <i>ACS Nano</i> , 2021 , 15, 3754-3807	16.7	18
151	Nanotechnology: new opportunities for the development of patch-clamps. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 97	9.4	8
150	On the developmental toxicity of silver nanoparticles. <i>Materials and Design</i> , 2021 , 203, 109611	8.1	4
149	Binding of Benzo[a]pyrene Alters the Bioreactivity of Fine Biochar Particles toward Macrophages Leading to Deregulated Macrophagic Defense and Autophagy. <i>ACS Nano</i> , 2021 , 15, 9717-9731	16.7	7
148	Enhanced hepatic cytotoxicity of chemically transformed polystyrene microplastics by simulated gastric fluid. <i>Journal of Hazardous Materials</i> , 2021 , 410, 124536	12.8	10
147	Optical Imaging and High-Accuracy Quantification of Intracellular Iron Contents. <i>Small</i> , 2021 , 17, e2005474	17.4	1
146	Use of macrophage as a Trojan horse for cancer nanotheranostics. <i>Materials and Design</i> , 2021 , 198, 109388	11	6

145	Tumor-specific fluorescence activation of rhodamine isothiocyanate derivatives. <i>Journal of Controlled Release</i> , 2021 , 330, 842-850	11.7	5
144	Disordered serum erythroferrone and hepcidin levels as indicators of the spontaneous abortion occurrence during early pregnancy in humans. <i>British Journal of Haematology</i> , 2021 , 192, 643-651	4.5	2
143	Tuning the physicochemical properties of reticular covalent organic frameworks (COFs) for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 6116-6128	7.3	3
142	Nanoparticle-induced ferroptosis: detection methods, mechanisms and applications. <i>Nanoscale</i> , 2021 , 13, 2266-2285	7.7	22
141	Optical Microscopy: Optical Imaging and High-Accuracy Quantification of Intracellular Iron Contents (Small 2/2021). <i>Small</i> , 2021 , 17, 2170005	11	
140	Development of Human Lung Induction Models for Air Pollutants Toxicity Assessment. <i>Environmental Science & Technology</i> , 2021 , 55, 2440-2451	10.3	5
139	Silver nanoparticles compromise the development of mouse pubertal mammary glands through disrupting internal estrogen signaling. <i>Nanotoxicology</i> , 2020 , 14, 740-756	5.3	1
138	Diethyldithiocarbamate-copper nanocomplex reinforces disulfiram chemotherapeutic efficacy through light-triggered nuclear targeting. <i>Theranostics</i> , 2020 , 10, 6384-6398	12.1	11
137	Nanoscale perfluorocarbon expedites bone fracture healing through selectively activating osteoblastic differentiation and functions. <i>Journal of Nanobiotechnology</i> , 2020 , 18, 84	9.4	4
136	Two-dimensional nanoparticles for the delivery of anticancer drugs and cancer therapy. <i>Frontiers of Nanoscience</i> , 2020 , 16, 151-199	0.7	4
135	A Designed -GalCer Analog Promotes Considerable Th1 Cytokine Response by Activating the CD1d-iNKT Axis and CD11b-Positive Monocytes/Macrophages. <i>Advanced Science</i> , 2020 , 7, 2000609	13.6	3
134	Nanocrystal facet modulation to enhance transferrin binding and cellular delivery. <i>Nature Communications</i> , 2020 , 11, 1262	17.4	20
133	LncRNA UCA1 Antagonizes Arsenic-Induced Cell Cycle Arrest through Destabilizing EZH2 and Facilitating NFATc2 Expression. <i>Advanced Science</i> , 2020 , 7, 1903630	13.6	11
132	Continued Efforts on Nanomaterial-Environmental Health and Safety Is Critical to Maintain Sustainable Growth of Nanoindustry. <i>Small</i> , 2020 , 16, e2000603	11	21
131	TCDD promotes liver fibrosis through disordering systemic and hepatic iron homeostasis. <i>Journal of Hazardous Materials</i> , 2020 , 395, 122588	12.8	6
130	Surface Chemical Modifications of Graphene Oxide and Interaction Mechanisms at the Nano-Bio Interface. <i>Acta Chimica Sinica</i> , 2020 , 78, 877	3.3	4
129	In Search of Zonation Markers to Identify Liver Functional Disorders. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 9374896	6.7	
128	Ageing remarkably alters the toxicity of carbon black particles towards susceptible cells: determined by differential changes of surface oxygen groups. <i>Environmental Science: Nano</i> , 2020 , 7, 1633-1641	7.1	14

127	Bisphenol A and polychlorinated biphenyls enhance the cancer stem cell properties of human ovarian cancer cells by activating the WNT signaling pathway. <i>Chemosphere</i> , 2020 , 246, 125775	8.4	18
126	Regulation of Cell Uptake and Cytotoxicity by Nanoparticle Core under the Controlled Shape, Size, and Surface Chemistries. <i>ACS Nano</i> , 2020 , 14, 289-302	16.7	38
125	Graphene Oxide Promotes Cancer Metastasis through Associating with Plasma Membrane To Promote TGF- β Signaling-Dependent Epithelial-Mesenchymal Transition. <i>ACS Nano</i> , 2020 , 14, 818-827	16.7	21
124	Graphene Oxide Causes Disordered Zonation Due to Differential Intralobular Localization in the Liver. <i>ACS Nano</i> , 2020 , 14, 877-890	16.7	12
123	Liver-derived exosome-laden lncRNA MT1DP aggravates cadmium-induced nephrotoxicity. <i>Environmental Pollution</i> , 2020 , 258, 113717	9.3	18
122	Airway Epithelial Hecidin Coordinates Lung Macrophages and Immunity Against Bacterial Pneumonia. <i>Shock</i> , 2020 , 54, 402-412	3.4	3
121	Emerging health risks and underlying toxicological mechanisms of uranium contamination: Lessons from the past two decades. <i>Environment International</i> , 2020 , 145, 106107	12.9	38
120	Antiviral nanoagents: More attention and effort needed?. <i>Nano Today</i> , 2020 , 35, 100976	17.9	8
119	Elevated non-essential metals and the disordered metabolism of essential metals are associated to abnormal pregnancy with spontaneous abortion. <i>Environment International</i> , 2020 , 144, 106061	12.9	7
118	Vacancies on 2D transition metal dichalcogenides elicit ferroptotic cell death. <i>Nature Communications</i> , 2020 , 11, 3484	17.4	37
117	Ageing alters the physicochemical properties of silver nanoparticles and consequently compromises their acute toxicity in mammals. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 196, 110487	7	2
116	Unexpected reversible and controllable nuclear uptake and efflux of the DNA "light-switching" Ru(II)-polypyridyl complex in living cells via ion-pairing with chlorophenolate counter-anions. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 10327-10336	7.3	3
115	Understanding the knowledge gaps between air pollution controls and health impacts including pathogen epidemic. <i>Environmental Research</i> , 2020 , 189, 109949	7.9	12
114	The cardinal roles of ferroportin and its partners in controlling cellular iron in and out. <i>Life Sciences</i> , 2020 , 258, 118135	6.8	6
113	The Crucial Role of Environmental Coronas in Determining the Biological Effects of Engineered Nanomaterials. <i>Small</i> , 2020 , 16, e2003691	11	28
112	Amphiphilic silver nanoclusters show active nanoBio interaction with compelling antibacterial activity against multidrug-resistant bacteria. <i>NPG Asia Materials</i> , 2020 , 12,	10.3	5
111	Adverse Impact of Heavy Metals on Bone Cells and Bone Metabolism Dependently and Independently through Anemia. <i>Advanced Science</i> , 2020 , 7, 2000383	13.6	9
110	Promoting platelets is a therapeutic option to combat severe viral infection of the lung. <i>Blood Advances</i> , 2020 , 4, 1640-1642	7.8	10

109	Depriving Iron Supply to the Virus Represents a Promising Adjuvant Therapeutic Against Viral Survival. <i>Current Clinical Microbiology Reports</i> , 2020 , 7, 1-7	3.1	65
108	Improved Healing of Diabetic Foot Ulcer upon Oxygenation Therapeutics through Oxygen-Loading Nanoperfluorocarbon Triggered by Radial Extracorporeal Shock Wave. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 5738368	6.7	9
107	C60 Fullerols Enhance Copper Toxicity and Alter the Leaf Metabolite and Protein Profile in Cucumber. <i>Environmental Science & Technology</i> , 2019 , 53, 2171-2180	10.3	33
106	LncRNA PU.1 AS regulates arsenic-induced lipid metabolism through EZH2/Sirt6/SREBP-1c pathway. <i>Journal of Environmental Sciences</i> , 2019 , 85, 138-146	6.4	15
105	Silver nanoparticles selectively induce human oncogenic Herpesvirus-related cancer cell death through reactivating viral lytic replication. <i>Cell Death and Disease</i> , 2019 , 10, 392	9.8	19
104	Diagnostic significance of metallothionein members in recognizing cadmium exposure in various organs under low-dose exposure. <i>Chemosphere</i> , 2019 , 229, 32-40	8.4	6
103	Carbon black-induced detrimental effect on osteoblasts at low concentrations: Remarkably compromised differentiation without significant cytotoxicity. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 178, 211-220	7	6
102	Low-dose PCB126 compromises circadian rhythms associated with disordered glucose and lipid metabolism in mice. <i>Environment International</i> , 2019 , 128, 146-157	12.9	16
101	Radial extracorporeal shock wave promotes the enhanced permeability and retention effect to reinforce cancer nanothermotherapeutics. <i>Science Bulletin</i> , 2019 , 64, 679-689	10.6	6
100	In situ remediation of subsurface contamination: opportunities and challenges for nanotechnology and advanced materials. <i>Environmental Science: Nano</i> , 2019 , 6, 1283-1302	7.1	38
99	Embryonic stem cell- and transcriptomics-based in vitro analyses reveal that bisphenols A, F and S have similar and very complex potential developmental toxicities. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 176, 330-338	7	25
98	Adverse Effects of Fine-Particle Exposure on Joints and Their Surrounding Cells and Microenvironment. <i>ACS Nano</i> , 2019 , 13, 2729-2748	16.7	3
97	Influence of functional groups on toxicity of carbon nanomaterials. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 8175-8187	6.8	12
96	Black Phosphorus-Based Multimodal Nanoagent: Showing Targeted Combinatory Therapeutics against Cancer Metastasis. <i>Nano Letters</i> , 2019 , 19, 5587-5594	11.5	51
95	New thiazolidinones reduce iron overload in mouse models of hereditary hemochromatosis and β -thalassemia. <i>Haematologica</i> , 2019 , 104, 1768-1781	6.6	15
94	Protein target identification and toxicological mechanism investigation of silver nanoparticles-induced hepatotoxicity by integrating proteomic and metallomic strategies. <i>Particle and Fibre Toxicology</i> , 2019 , 16, 46	8.4	6
93	Iron homeostasis in pregnancy and spontaneous abortion. <i>American Journal of Hematology</i> , 2019 , 94, 184-188	7.1	17
92	Silver Nanoparticles Compromise Female Embryonic Stem Cell Differentiation through Disturbing X Chromosome Inactivation. <i>ACS Nano</i> , 2019 , 13, 2050-2061	16.7	8

91	Desferrioxamine-caffeine shows improved efficacy in chelating iron and depleting cancer stem cells. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019 , 52, 232-238	4.1	8
90	Biophysical Assessment of Pulmonary Surfactant Predicts the Lung Toxicity of Nanomaterials. <i>Small Methods</i> , 2018 , 2, 1700367	12.8	18
89	Long non-coding RNA MT1DP shunts the cellular defense to cytotoxicity through crosstalk with MT1H and RhoC in cadmium stress. <i>Cell Discovery</i> , 2018 , 4, 5	22.3	25
88	Induction of oxidative stress and sensitization of cancer cells to paclitaxel by gold nanoparticles with different charge densities and hydrophobicities. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 1633-1639	7.3	32
87	CdSe Quantum Dots Incurred Hemoglobin RNA Transcription Inhibition in Embryonic Erythroid Precursors and Compromised Embryonic Development in Mice under Low-Dose Exposure. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4164-4173	8.3	6
86	Graphene oxide regulates cox2 in human embryonic kidney 293T cells via epigenetic mechanisms: dynamic chromosomal interactions. <i>Nanotoxicology</i> , 2018 , 12, 117-137	5.3	14
85	Low-dose exposure to graphene oxide significantly increases the metal toxicity to macrophages by altering their cellular priming state. <i>Nano Research</i> , 2018 , 11, 4111-4122	10	15
84	Green Algae as Carriers Enhance the Bioavailability of C-Labeled Few-Layer Graphene to Freshwater Snails. <i>Environmental Science & Technology</i> , 2018 , 52, 1591-1601	10.3	8
83	LncRNA UCA1 attenuates autophagy-dependent cell death through blocking autophagic flux under arsenic stress. <i>Toxicology Letters</i> , 2018 , 284, 195-204	4.4	32
82	Molybdenum disulfide/graphene oxide nanocomposites show favorable lung targeting and enhanced drug loading/tumor-killing efficacy with improved biocompatibility. <i>NPG Asia Materials</i> , 2018 , 10, e458-e458	10.3	51
81	Oxygen content determines the bio-reactivity and toxicity profiles of carbon black particles. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 150, 207-214	7	20
80	Extracorporeal Shock Wave Therapy: Quantitative Assessments of Mechanical Responses upon Radial Extracorporeal Shock Wave Therapy (Adv. Sci. 3/2018). <i>Advanced Science</i> , 2018 , 5, 1870015	13.6	78
79	From the lung to the knee joint: Toxicity evaluation of carbon black nanoparticles on macrophages and chondrocytes. <i>Journal of Hazardous Materials</i> , 2018 , 353, 329-339	12.8	18
78	Multihierarchically Profiling the Biological Effects of Various Metal-Based Nanoparticles in Macrophages under Low Exposure Doses. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 10374-10384	8.2	12
77	Bio-transformation of Graphene Oxide in Lung Fluids Significantly Enhances Its Photothermal Efficacy. <i>Nanotheranostics</i> , 2018 , 2, 222-232	5.6	15
76	China's Fight for Clean Air and Human Health. <i>Environmental Science & Technology</i> , 2018 , 52, 8063-8064	6.4	15
75	Reduction of graphene oxide alters its cyto-compatibility towards primary and immortalized macrophages. <i>Nanoscale</i> , 2018 , 10, 14637-14650	7.7	18
74	Reduction pathway-dependent cytotoxicity of reduced graphene oxide. <i>Environmental Science: Nano</i> , 2018 , 5, 1361-1371	7.1	25

73	LncRNA MT1DP Aggravates Cadmium-Induced Oxidative Stress by Repressing the Function of Nrf2 and is Dependent on Interaction with miR-365. <i>Advanced Science</i> , 2018 , 5, 1800087	13.6	32
72	Preliminary investigation on cytotoxicity of fluorinated polymer nanoparticles. <i>Journal of Environmental Sciences</i> , 2018 , 69, 217-226	6.4	14
71	Distinct Iron Deposition Profiles of Liver Zones in Various Models with Iron Homeostasis Disorders. <i>Advanced Science</i> , 2018 , 5, 1800866	13.6	2
70	Bridge knowledge gaps in environmental health and safety for sustainable development of nano-industries. <i>Nano Today</i> , 2018 , 23, 11-15	17.9	12
69	The effects and the potential mechanism of environmental transformation of metal nanoparticles on their toxicity in organisms. <i>Environmental Science: Nano</i> , 2018 , 5, 2482-2499	7.1	76
68	How Entanglement of Different Physicochemical Properties Complicates the Prediction of in Vitro and in Vivo Interactions of Gold Nanoparticles. <i>ACS Nano</i> , 2018 , 12, 10104-10113	16.7	81
67	Computational Investigations of the Interaction between the Cell Membrane and Nanoparticles Coated with a Pulmonary Surfactant. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20368-20376	9.5	29
66	The biotransformation of graphene oxide in lung fluids significantly alters its inherent properties and bioactivities toward immune cells. <i>NPG Asia Materials</i> , 2018 , 10, 385-396	10.3	21
65	Two-Dimensional Nanomaterials for Cancer Nanotheranostics. <i>Small</i> , 2017 , 13, 1603446	11	97
64	Graphene Oxide Induced Perturbation to Plasma Membrane and Cytoskeletal Meshwork Sensitize Cancer Cells to Chemotherapeutic Agents. <i>ACS Nano</i> , 2017 , 11, 2637-2651	16.7	91
63	Susceptibility of Overweight Mice to Liver Injury as a Result of the ZnO Nanoparticle-Enhanced Liver Deposition of Pb. <i>Environmental Science & Technology</i> , 2017 , 51, 1775-1784	10.3	27
62	Carbon Nanotubes Disrupt Iron Homeostasis and Induce Anemia of Inflammation through Inflammatory Pathway as a Secondary Effect Distant to Their Portal-of-Entry. <i>Small</i> , 2017 , 13, 1603830	11	20
61	Carbon Nanotubes: Carbon Nanotubes Disrupt Iron Homeostasis and Induce Anemia of Inflammation through Inflammatory Pathway as a Secondary Effect Distant to Their Portal-of-Entry (Small 15/2017). <i>Small</i> , 2017 , 13,	11	1
60	Low-Dose Bisphenol A Exposure: A Seemingly Instigating Carcinogenic Effect on Breast Cancer. <i>Advanced Science</i> , 2017 , 4, 1600248	13.6	77
59	Genome-Wide DNA Methylation Variations upon Exposure to Engineered Nanomaterials and Their Implications in Nanosafety Assessment. <i>Advanced Materials</i> , 2017 , 29, 1604580	24	33
58	A crucial role of heme-regulated eIF2kinase in maintaining cytoskeletal meshwork under an oxygen deficient condition. <i>Science Bulletin</i> , 2017 , 62, 1045-1047	10.6	1
57	Nrf-2-driven long noncoding RNA ODRUL contributes to modulating silver nanoparticle-induced effects on erythroid cells. <i>Biomaterials</i> , 2017 , 130, 14-27	15.6	30
56	Rücktitelbild: Improved Biocompatibility of Black Phosphorus Nanosheets by Chemical Modification (Angew. Chem. 46/2017). <i>Angewandte Chemie</i> , 2017 , 129, 14966-14966	3.6	1

55	Mesoporous carbon nanomaterials induced pulmonary surfactant inhibition, cytotoxicity, inflammation and lung fibrosis. <i>Journal of Environmental Sciences</i> , 2017 , 62, 100-114	6.4	30
54	Improved Biocompatibility of Black Phosphorus Nanosheets by Chemical Modification. <i>Angewandte Chemie</i> , 2017 , 129, 14680-14685	3.6	18
53	Improved Biocompatibility of Black Phosphorus Nanosheets by Chemical Modification. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14488-14493	16.4	101
52	TiO particles in seafood and surimi products: Attention should be paid to their exposure and uptake through foods. <i>Chemosphere</i> , 2017 , 188, 541-547	8.4	18
51	A protective role of Heme-regulated eIF2 α kinase in cadmium-induced liver and kidney injuries. <i>Chemosphere</i> , 2017 , 185, 284-289	8.4	12
50	Oral Exposure to Silver Nanoparticles or Silver Ions May Aggravate Fatty Liver Disease in Overweight Mice. <i>Environmental Science & Technology</i> , 2017 , 51, 9334-9343	10.3	57
49	An Important Function of Petrosiol E in Inducing the Differentiation of Neuronal Progenitors and in Protecting Them against Oxidative Stress. <i>Advanced Science</i> , 2017 , 4, 1700089	13.6	5
48	Low concentrations of bisphenol A promote human ovarian cancer cell proliferation and glycolysis-based metabolism through the estrogen receptor- α pathway. <i>Chemosphere</i> , 2017 , 185, 361-367	8.4	29
47	Synthesis of different-sized gold nanostars for Raman bioimaging and photothermal therapy in cancer nanotheranostics. <i>Science China Chemistry</i> , 2017 , 60, 1219-1229	7.9	36
46	Determining the Cytotoxicity of Rare Earth Element Nanoparticles in Macrophages and the Involvement of Membrane Damage. <i>Environmental Science & Technology</i> , 2017 , 51, 13938-13948	10.3	20
45	Structure Activity Relationships of Engineered Nanomaterials in inducing NLRP3 Inflammasome Activation and Chronic Lung Fibrosis. <i>NanoImpact</i> , 2017 , 6, 99-108	5.6	33
44	Carbon nanotubes stimulate synovial inflammation by inducing systemic pro-inflammatory cytokines. <i>Nanoscale</i> , 2016 , 8, 18070-18086	7.7	20
43	Metal-Organic-Framework-Derived Mesoporous Carbon Nanospheres Containing Porphyrin-Like Metal Centers for Conformal Phototherapy. <i>Advanced Materials</i> , 2016 , 28, 8379-8387	24	207
42	Pulmonary diseases induced by ambient ultrafine and engineered nanoparticles in twenty-first century. <i>National Science Review</i> , 2016 , 3, 416-429	10.8	54
41	Improved In Vitro and In Vivo Biocompatibility of Graphene Oxide through Surface Modification: Poly(Acrylic Acid)-Functionalization is Superior to PEGylation. <i>ACS Nano</i> , 2016 , 10, 3267-81	16.7	258
40	miR-214 protects erythroid cells against oxidative stress by targeting ATF4 and EZH2. <i>Free Radical Biology and Medicine</i> , 2016 , 92, 39-49	7.8	39
39	Hepcidin: A Promising Therapeutic Target for Iron Disorders: A Systematic Review. <i>Medicine (United States)</i> , 2016 , 95, e3150	1.8	55
38	Icariin regulates systemic iron metabolism by increasing hepatic hepcidin expression through Stat3 and Smad1/5/8 signaling. <i>International Journal of Molecular Medicine</i> , 2016 , 37, 1379-88	4.4	17

37	Phototherapy: Metal-Organic-Framework-Derived Mesoporous Carbon Nanospheres Containing Porphyrin-Like Metal Centers for Conformal Phototherapy (Adv. Mater. 38/2016). <i>Advanced Materials</i> , 2016 , 28, 8318-8318	24	3
36	An important role of the hepcidin-ferroportin signaling in affecting tumor growth and metastasis. <i>Acta Biochimica Et Biophysica Sinica</i> , 2015 , 47, 703-15	2.8	50
35	Estrogen contributes to regulating iron metabolism through governing ferroportin signaling via an estrogen response element. <i>Cellular Signalling</i> , 2015 , 27, 934-42	4.9	26
34	Mechanisms of nanosilver-induced toxicological effects: more attention should be paid to its sublethal effects. <i>Nanoscale</i> , 2015 , 7, 7470-81	7.7	93
33	Crucial Role of Lateral Size for Graphene Oxide in Activating Macrophages and Stimulating Pro-inflammatory Responses in Cells and Animals. <i>ACS Nano</i> , 2015 , 9, 10498-515	16.7	267
32	Silver nanoparticle-induced hemoglobin decrease involves alteration of histone 3 methylation status. <i>Biomaterials</i> , 2015 , 70, 12-22	15.6	71
31	Disordered signaling governing ferroportin transcription favors breast cancer growth. <i>Cellular Signalling</i> , 2015 , 27, 168-76	4.9	41
30	Synergistic hepatotoxicity by cadmium and chlorpyrifos: disordered hepatic lipid homeostasis. <i>Molecular Medicine Reports</i> , 2015 , 12, 303-8	2.9	16
29	Cadmium depletes cellular iron availability through enhancing ferroportin translation via iron responsive element. <i>Molecular Medicine Reports</i> , 2015 , 11, 3129-33	2.9	7
28	Disruption of iron homeostasis and resultant health effects upon exposure to various environmental pollutants: A critical review. <i>Journal of Environmental Sciences</i> , 2015 , 34, 155-64	6.4	15
27	Establishment of a novel orthotopic model of breast cancer metastasis to the lung. <i>Oncology Reports</i> , 2015 , 33, 2992-8	3.5	20
26	Polychlorinated biphenyls (PCBs) inhibit hepcidin expression through an estrogen-like effect associated with disordered systemic iron homeostasis. <i>Chemical Research in Toxicology</i> , 2015 , 28, 629-40 ⁴		22
25	Heme-regulated eIF2 α kinase plays a crucial role in protecting erythroid cells against Pb-induced hemolytic stress. <i>Chemical Research in Toxicology</i> , 2015 , 28, 460-9	4	9
24	Disordered hepcidin-ferroportin signaling promotes breast cancer growth. <i>Cellular Signalling</i> , 2014 , 26, 2539-50	4.9	89
23	Hepcidin deficiency undermines bone load-bearing capacity through inducing iron overload. <i>Gene</i> , 2014 , 543, 161-5	3.8	15
22	Nanosilver incurs an adaptive shunt of energy metabolism mode to glycolysis in tumor and nontumor cells. <i>ACS Nano</i> , 2014 , 8, 5813-25	16.7	72
21	Sublethal exposure of organophosphate pesticide chlorpyrifos alters cellular iron metabolism in hepatocytes and macrophages. <i>International Journal of Molecular Medicine</i> , 2014 , 34, 1395-400	4.4	3
20	Cytotoxicity of quantum dots and graphene oxide to erythroid cells and macrophages. <i>Nanoscale Research Letters</i> , 2013 , 8, 198	5	45

19	A protective role of heme-regulated eIF2 α kinase in cadmium-induced toxicity in erythroid cells. <i>Food and Chemical Toxicology</i> , 2013 , 62, 880-91	4.7	13
18	Quantum dots (QDs) restrain human cervical carcinoma HeLa cell proliferation through inhibition of the ROCK-c-Myc signaling. <i>Integrative Biology (United Kingdom)</i> , 2013 , 5, 590-6	3.7	7
17	Silver nanoparticles induced RNA polymerase-silver binding and RNA transcription inhibition in erythroid progenitor cells. <i>ACS Nano</i> , 2013 , 7, 4171-86	16.7	116
16	The ex vivo and in vivo biological performances of graphene oxide and the impact of surfactant on graphene oxide's biocompatibility. <i>Journal of Environmental Sciences</i> , 2013 , 25, 873-81	6.4	38
15	Graphene oxide induces toll-like receptor 4 (TLR4)-dependent necrosis in macrophages. <i>ACS Nano</i> , 2013 , 7, 5732-45	16.7	203
14	Excess iron undermined bone load-bearing capacity through tumor necrosis factor- α -dependent osteoclastic activation in mice. <i>Biomedical Reports</i> , 2013 , 1, 85-88	1.8	10
13	Evaluation of the biological fate and the transport through biological barriers of nanosilver in mice. <i>Current Pharmaceutical Design</i> , 2013 , 19, 6691-7	3.3	38
12	Estrogen regulates iron homeostasis through governing hepatic hepcidin expression via an estrogen response element. <i>Gene</i> , 2012 , 511, 398-403	3.8	119
11	Quantum dots impair macrophagic morphology and the ability of phagocytosis by inhibiting the Rho-associated kinase signaling. <i>Nanoscale</i> , 2012 , 4, 2239-44	7.7	30
10	The ROCK signaling and breast cancer metastasis. <i>Molecular Biology Reports</i> , 2011 , 38, 1363-6	2.8	35
9	Environmental and biological influences on the stability of silver nanoparticles. <i>Science Bulletin</i> , 2011 , 56, 2009-2015		16
8	CdSe quantum dot (QD)-induced morphological and functional impairments to liver in mice. <i>PLoS ONE</i> , 2011 , 6, e24406	3.7	48
7	The associations between the environmental exposure to polychlorinated biphenyls (PCBs) and breast cancer risk and progression. <i>Science China Chemistry</i> , 2010 , 53, 974-979	7.9	8
6	Polychlorinated biphenyls (PCBs) enhance metastatic properties of breast cancer cells by activating Rho-associated kinase (ROCK). <i>PLoS ONE</i> , 2010 , 5, e11272	3.7	46
5	Inhibition of rho-associated kinase signaling prevents breast cancer metastasis to human bone. <i>Cancer Research</i> , 2009 , 69, 8742-51	10.1	209
4	Haem-regulated eIF2 α kinase is necessary for adaptive gene expression in erythroid precursors under the stress of iron deficiency. <i>British Journal of Haematology</i> , 2008 , 143, 129-37	4.5	33
3	Deficiency of heme-regulated eIF2 α kinase decreases hepcidin expression and splenic iron in HFE-/- mice. <i>Haematologica</i> , 2008 , 93, 753-6	6.6	18
2	The function of heme-regulated eIF2 α kinase in murine iron homeostasis and macrophage maturation. <i>Journal of Clinical Investigation</i> , 2007 , 117, 3296-305	15.9	69

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