Qunfang Zhou

List of Publications by Year in descending order

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88 papers	3,107 citations	172207 29 h-index	174990 52 g-index
91 all docs	91 docs citations	91 times ranked	4290 citing authors

#	Article	IF	Citations
1	Biomonitoring: An appealing tool for assessment of metal pollution in the aquatic ecosystem. Analytica Chimica Acta, 2008, 606, 135-150.	2.6	673
2	Improved Biocompatibility of Black Phosphorus Nanosheets by Chemical Modification. Angewandte Chemie - International Edition, 2017, 56, 14488-14493.	7.2	143
3	Developmental toxicity of synthetic phenolic antioxidants to the early life stage of zebrafish. Science of the Total Environment, 2018, 643, 559-568.	3.9	115
4	Silver Nanoparticle Exposure Attenuates the Viability of Rat Cerebellum Granule Cells through Apoptosis Coupled to Oxidative Stress. Small, 2013, 9, 1831-1841.	5.2	114
5	Environmental pollution, a hidden culprit for health issues. , 2022, 1, 31-45.		107
6	Silver nanoparticles induced neurotoxicity through oxidative stress in rat cerebral astrocytes is distinct from the effects of silver ions. NeuroToxicology, 2016, 52, 210-221.	1.4	101
7	Synthetic Phenolic Antioxidants Cause Perturbation in Steroidogenesis in Vitro and in Vivo. Environmental Science & Technology, 2018, 52, 850-858.	4.6	83
8	Influence of the Surface Functional Group Density on the Carbon-Nanotube-Induced Î±-Chymotrypsin Structure and Activity Alterations. ACS Applied Materials & Interfaces, 2015, 7, 18880-18890.	4.0	82
9	Mitochondrial damage mediated by ROS incurs bronchial epithelial cell apoptosis upon ambient PM_{2.5} exposure. Journal of Toxicological Sciences, 2018, 43, 101-111.	0.7	72
10	The potential neurotoxicity of emerging tetrabromobisphenol A derivatives based on rat pheochromocytoma cells. Chemosphere, 2016, 154, 194-203.	4.2	60
11	Sulfidation as a Natural Antidote to Metallic Nanoparticles Is Overestimated: CuO Sulfidation Yields CuS Nanoparticles with Increased Toxicity in Medaka (Oryzias latipes) Embryos. Environmental Science & Technology, 2015, 49, 2486-2495.	4.6	55
12	Formation of Nanosilver from Silver Sulfide Nanoparticles in Natural Waters by Photoinduced Fe(II,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.6	52
13	Hematological Effects of Gold Nanorods on Erythrocytes: Hemolysis and Hemoglobin Conformational and Functional Changes. Advanced Science, 2017, 4, 1700296.	5.6	48
14	Vitamin E attenuates silver nanoparticle-induced effects on body weight and neurotoxicity in rats. Biochemical and Biophysical Research Communications, 2015, 458, 405-410.	1.0	47
15	Synthetic Phenolic Antioxidants and Their Metabolites in Sediments from the Coastal Area of Northern China: Spatial and Vertical Distributions. Environmental Science & Technology, 2018, 52, 13690-13697.	4.6	47
16	Role of plasma kallikrein in diabetes and metabolism. Thrombosis and Haemostasis, 2013, 110, 434-441.	1.8	46
17	Brainâ€targeted distribution and high retention of silver by chronic intranasal instillation of silver nanoparticles and ions in Sprague–Dawley rats. Journal of Applied Toxicology, 2016, 36, 445-453.	1.4	46
18	Synthetic Phenolic Antioxidants and Their Metabolites in Mollusks from the Chinese Bohai Sea: Occurrence, Temporal Trend, and Human Exposure. Environmental Science & Technology, 2018, 52, 10124-10133.	4.6	43

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19	The in Vitro Estrogenic Activities of Polyfluorinated Iodine Alkanes. Environmental Health Perspectives, 2012, 120, 119-125.	2.8	42
20	Silver nanoparticle exposure induces rat motor dysfunction through decrease in expression of calcium channel protein in cerebellum. Toxicology Letters, 2015, 237, 112-120.	0.4	40
21	Butylated hydroxyanisole isomers induce distinct adipogenesis in 3T3-L1 cells. Journal of Hazardous Materials, 2019, 379, 120794.	6.5	38
22	Bisphenol A and several derivatives exert neural toxicity in human neuron-like cells by decreasing neurite length. Food and Chemical Toxicology, 2020, 135, 111015.	1.8	36
23	Toxicity of the brominated flame retardant tris-(2,3-dibromopropyl) isocyanurate in zebrafish (Danio) Tj ETQq1 1 0.784314 rgBT /Over	1.7	35
24	Effects of polycyclic musks HHCB and AHTN on steroidogenesis in H295R cells. Chemosphere, 2013, 90, 1227-1235.	4.2	35
25	Carbon Chain Decomposition of Short Chain Chlorinated Paraffins Mediated by Pumpkin and Soybean Seedlings. Environmental Science & Technology, 2019, 53, 6765-6772.	4.6	35
26	Evidence of Foodborne Transmission of the Coronavirus (COVID-19) through the Animal Products Food Supply Chain. Environmental Science & Technology, 2021, 55, 2713-2716.	4.6	35
27	Rapid decolorization of water soluble azo-dyes by nanosized zero-valent iron immobilized on the exchange resin. Science in China Series B: Chemistry, 2008, 51, 186-192.	0.8	34
28	Distribution, Bioaccumulation, Trophic Transfer, and Influences of CeO₂ Nanoparticles in a Constructed Aquatic Food Web. Environmental Science & Technology, 2017, 51, 5205-5214.	4.6	34
29	DEP and DBP induce cytotoxicity in mouse embryonic stem cells and abnormally enhance neural ectoderm development. Environmental Pollution, 2018, 236, 21-32.	3.7	32
30	Dechlorination and chlorine rearrangement of 1,2,5,5,6,9,10-heptachlorodecane mediated by the whole pumpkin seedlings. Environmental Pollution, 2017, 224, 524-531.	3.7	31
31	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
32	Hydroxylated and methoxylated polybrominated diphenyl ethers in a marine food web of Chinese Bohai Sea and their human dietary exposure. Environmental Pollution, 2018, 233, 604-611.	3.7	30
33	Assessment of Thyroid Endocrine Disruption Effects of Parabens Using In Vivo, In Vitro, and In Silico Approaches. Environmental Science & Technology, 2022, 56, 460-469.	4.6	28
34	Analysis of human urine metabolites using SPE and NMR spectroscopy. Science in China Series B: Chemistry, 2008, 51, 218-225.	0.8	27
35	Perfluorooctyl Iodide Stimulates Steroidogenesis in H295R Cells via a Cyclic Adenosine Monophosphate Signaling Pathway. Chemical Research in Toxicology, 2015, 28, 848-854.	1.7	26
36	Perturbation of 3-tert-butyl-4-hydroxyanisole in adipogenesis of male mice with normal and high fat diets. Science of the Total Environment, 2020, 703, 135608.	3.9	26

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37	Epidermal Penetration of Gold Nanoparticles and Its Underlying Mechanism Based on Human Reconstructed 3D Episkin Model. ACS Applied Materials & Interfaces, 2017, 9, 42577-42588.	4.0	25
38	Airborne Fine Particles Induce Hematological Effects through Regulating the Crosstalk of the Kallikrein-Kinin, Complement, and Coagulation Systems. Environmental Science & Technology, 2019, 53, 2840-2851.	4.6	25
39	From the insight of glucose metabolism disorder: Oxygen therapy and blood glucose monitoring are crucial for quarantined COVID-19 patients. Ecotoxicology and Environmental Safety, 2020, 197, 110614.	2.9	25
40	Graphene Quantum Dots Disrupt Embryonic Stem Cell Differentiation by Interfering with the Methylation Level of Sox2. Environmental Science & Technology, 2021, 55, 3144-3155.	4.6	25
41	Characterization of mercury-binding proteins in human neuroblastoma SK-N-SH cells with immobilized metal affinity chromatography. Talanta, 2018, 178, 811-817.	2.9	24
42	Chemical Structure-Related Adipogenic Effects of Tetrabromobisphenol A and Its Analogues on 3T3-L1 Preadipocytes. Environmental Science & Technology, 2020, 54, 6262-6271.	4.6	24
43	Progress in the toxicological researches for quantum dots. Science in China Series B: Chemistry, 2008, 51, 393-400.	0.8	23
44	Silver nanoparticles induce size-dependent and particle-specific neurotoxicity to primary cultures of rat cerebral cortical neurons. Ecotoxicology and Environmental Safety, 2020, 198, 110674.	2.9	23
45	Improved Biocompatibility of Black Phosphorus Nanosheets by Chemical Modification. Angewandte Chemie, 2017, 129, 14680-14685.	1.6	22
46	Environmental and biological influences on the stability of silver nanoparticles. Science Bulletin, 2011, 56, 2009-2015.	1.7	20
47	Developmental Toxicity of Few-Layered Black Phosphorus toward Zebrafish. Environmental Science & Technology, 2021, 55, 1134-1144.	4.6	18
48	Cardiac dysfunction and metabolic remodeling due to seasonally ambient fine particles exposure. Science of the Total Environment, 2020, 721, 137792.	3.9	17
49	Intranasal administration of tetrabromobisphenol A bis(2-hydroxyethyl ether) induces neurobehavioral changes in neonatal Sprague Dawley rats. Journal of Environmental Sciences, 2018, 63, 76-86.	3.2	16
50	Structure-Dependent Hematological Effects of Per- and Polyfluoroalkyl Substances on Activation of Plasma Kallikreinâ€“Kinin System Cascade. Environmental Science & Technology, 2017, 51, 10173-10183.	4.6	16
51	3-tert-Butyl-4-hydroxyanisole Impairs Hepatic Lipid Metabolism in Male Mice Fed with a High-Fat Diet. Environmental Science & Technology, 2022, 56, 3204-3213.	4.6	16
52	Alterations of endogenous metabolites in urine of rats exposed to decabromodiphenyl ether using metabonomic approaches. Journal of Environmental Sciences, 2014, 26, 900-908.	3.2	15
53	Environmental impacts on the transmission and evolution of COVID-19 combing the knowledge of pathogenic respiratory coronaviruses. Environmental Pollution, 2020, 267, 115621.	3.7	15
54	A novel high throughput screening assay for binding affinities of perfluoroalkyl iodide for estrogen receptor alpha and beta isoforms. Talanta, 2017, 175, 413-420.	2.9	14

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55	Perfluorohexadecanoic acid increases paracellular permeability in endothelial cells through the activation of plasma kallikrein-kinin system. Chemosphere, 2018, 190, 191-200.	4.2	11
56	Effect of silver sulfide nanoparticles on photochemical degradation of dissolved organic matter in surface water. Chemosphere, 2018, 193, 1113-1119.	4.2	11
57	Airborne particulate matters induce thrombopoiesis from megakaryocytes through regulating mitochondrial oxidative phosphorylation. Particle and Fibre Toxicology, 2021, 18, 19.	2.8	11
58	Safety profile and cellular uptake of biotemplated nanocapsules with nanometre-thin walls. Nanoscale, 2011, 3, 2576.	2.8	10
59	Exploring the Heterogeneity of Nanoparticles in Their Interactions with Plasma Coagulation Factor XII. ACS Nano, 2019, 13, 1990-2003.	7.3	10
60	Gold nanoparticles change small extracellular vesicle attributes of mouse embryonic stem cells. Nanoscale, 2020, 12, 15631-15637.	2.8	10
61	Thyroid Cancer â€œEpidemicâ€• A Socio-Environmental Health Problem Needs Collaborative Efforts. Environmental Science & Technology, 2020, 54, 3725-3727.	4.6	10
62	4-Hexylphenol influences adipogenic differentiation and hepatic lipid accumulation inÂvitro. Environmental Pollution, 2021, 268, 115635.	3.7	10
63	Efficient management strategy of COVID-19 patients based on cluster analysis and clinical decision tree classification. Scientific Reports, 2021, 11, 9626.	1.6	9
64	Concentration profiles of a typical ultraviolet filter benzophenone-3 and its derivatives in municipal sewage sludge in China: Risk assessment in sludge-amended soil. Science of the Total Environment, 2022, 811, 152329.	3.9	9
65	Perfluorinated Iodine Alkanes Promoted Neural Differentiation of mESCs by Targeting miRNA-34a-5p in Notch-Hes Signaling. Environmental Science & Technology, 2022, 56, 8496-8506.	4.6	9
66	Circannual vitellogenin levels in Chinese loach (Misgurnus anguillicaudatus). Environmental Biology of Fishes, 2009, 85, 23-29.	0.4	8
67	Polyfluorinated iodine alkanes regulated distinct breast cancer cell progression through binding with estrogen receptor alpha or beta isoforms. Environmental Pollution, 2018, 239, 300-307.	3.7	8
68	Interaction of BDE-47 with nuclear receptors (NRs) based on the cytotoxicity: In vitro investigation and molecular interaction. Ecotoxicology and Environmental Safety, 2021, 208, 111390.	2.9	8
69	Chirality of gold nanocluster affects its interaction with coagulation factor XII. NanoImpact, 2021, 22, 100321.	2.4	8
70	On line coupling HPLC and quartz surface-induced luminescence FPD with hydride generation and microporous membrane gasâ€“liquid separator as interface for the speciation of methyltins. Journal of Analytical Atomic Spectrometry, 2007, 22, 1420.	1.6	7
71	Subchronic toxicological effects of aquatic nitrobenzene on Medaka and Chinese rare minnow. Science in China Series B: Chemistry, 2007, 50, 707-717.	0.8	7
72	Effects of nanoscale quantum dots in male Chinese loaches (Misgurnus anguillicaudatus): Estrogenic interference action, toxicokinetics and oxidative stress. Science in China Series B: Chemistry, 2009, 52, 1683-1690.	0.8	7

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73	Mechanism of gold nanoparticle induced simultaneously increased PCR efficiency and specificity. Science Bulletin, 2013, 58, 4593-4601.	1.7	7
74	Assessment of the carcinogenic effect of 2,3,7,8-tetrachlorodibenzo-p-dioxin using mouse embryonic stem cells to form teratoma in vivo. Toxicology Letters, 2019, 312, 139-147.	0.4	7
75	Effects of cadmium, 17Î²-estradiol and their interaction in the male Chinese loach (Misgurnus) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.7	6
76	The mechanism of immunosuppression by perfluorooctanoic acid in BALB/c mice. Toxicology Research, 2014, 3, 205.	0.9	6
77	Butyltin compounds in vinegar collected in Beijing: Species distribution and source investigation. Science China Chemistry, 2012, 55, 323-328.	4.2	4
78	Possible role of extracellular vesicles in exogenous chemical exposure-associated health concern. Journal of Environmental Sciences, 2019, 80, 1-4.	3.2	4
79	Occurrence of synthetic phenolic antioxidants in foodstuffs from ten provinces in China and its implications for human dietary exposure. Food and Chemical Toxicology, 2022, 165, 113134.	1.8	4
80	Constructing an MCF-7 breast cancer cell-based transient transfection assay for screening RARÎ± (Ant)agonistic activities of emerging phenolic compounds. Journal of Hazardous Materials, 2022, 435, 129024.	6.5	3
81	Induced temperature-dependent DNA degradation by C60 without photoactivation. Science Bulletin, 2011, 56, 3100-3107.	1.7	2
82	Structure prediction of methyoxy-polybrominated diphenyl ethers (MeO-PBDEs) through GCâ€“MS analysis of their corresponding PBDEs. Talanta, 2016, 152, 9-14.	2.9	2
83	Occurrence of silver-containing particles in rat brains upon intranasal exposure of silver nanoparticles. Metallomics, 2022, 14, .	1.0	2
84	RÃ¼cktitelbild: Improved Biocompatibility of Black Phosphorus Nanosheets by Chemical Modification (Angew. Chem. 46/2017). Angewandte Chemie, 2017, 129, 14966-14966.	1.6	1
85	A case report of conjoined twins in medaka fish. Molecular Reproduction and Development, 2019, 86, 1083-1085.	1.0	1
86	Response to Comment on â€œThyroid Cancer â€˜Epidemicâ€™: A Socio-Environmental Health Problem Needs Collaborative Effortsâ€• Environmental Science & Technology, 2020, 54, 9711-9712.	4.6	1
87	A high-throughput assay for screening the abilities of per- and polyfluoroalkyl substances in inducing plasma kallikrein-like activity. Ecotoxicology and Environmental Safety, 2022, 234, 113381.	2.9	0
88	Environmental obesogen: More considerations about the potential cause of obesity epidemic. Ecotoxicology and Environmental Safety, 2022, 239, 113613.	2.9	0