Bin Wan

List of Publications by Year
in descending order

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44 papers	2,376 citations	236925 25 h-index	243625 44 g-index
44 all docs	44 docs citations	44 times ranked	3809 citing authors

#	Article	IF	Citations
1	Carbon dots decorated graphitic carbon nitride as an efficient metal-free photocatalyst for phenol degradation. Applied Catalysis B: Environmental, 2016, 180, 656-662.	20.2	317
2	Microplastics from consumer plastic food containers: Are we consuming it?. Chemosphere, 2020, 253, 126787.	8.2	196
3	Chemiluminescence of carbon dots under strong alkaline solutions: a novel insight into carbon dot optical properties. Nanoscale, 2013, 5, 2655.	5.6	154
4	Single-walled carbon nanotubes and graphene oxides induce autophagosome accumulation and lysosome impairment in primarily cultured murine peritoneal macrophages. Toxicology Letters, 2013, 221, 118-127.	0.8	145
5	Switching Oxygen Reduction Pathway by Exfoliating Graphitic Carbon Nitride for Enhanced Photocatalytic Phenol Degradation. Journal of Physical Chemistry Letters, 2015, 6, 958-963.	4.6	141
6	Bisphenol AF and Bisphenol B Exert Higher Estrogenic Effects than Bisphenol A via G Protein-Coupled Estrogen Receptor Pathway. Environmental Science & Technology, 2017, 51, 11423-11430.	10.0	115
7	Eco-Corona vs Protein Corona: Effects of Humic Substances on Corona Formation and Nanoplastic Particle Toxicity in Daphnia magna. Environmental Science & Technology, 2020, 54, 8001-8009.	10.0	111
8	Binding interactions of perfluoroalkyl substances with thyroid hormone transport proteins and potential toxicological implications. Toxicology, 2016, 366-367, 32-42.	4.2	88
9	Structure-dependent binding and activation of perfluorinated compounds on human peroxisome proliferator-activated receptor Î³. Toxicology and Applied Pharmacology, 2014, 279, 275-283.	2.8	87
10	Hydroxylated polybrominated diphenyl ethers exhibit different activities on thyroid hormone receptors depending on their degree of bromination. Toxicology and Applied Pharmacology, 2013, 268, 256-263.	2.8	86
11	Humic acid alleviates the toxicity of polystyrene nanoplastic particles toDaphnia magna. Environmental Science: Nano, 2019, 6, 1466-1477.	4.3	83
12	In VitroImmune Toxicity of Depleted Uranium: Effects on Murine Macrophages, CD4+T Cells, and Gene Expression Profiles. Environmental Health Perspectives, 2006, 114, 85-91.	6.0	60
13	Cytotoxicity and autophagy induction by graphene quantum dots with different functional groups. Journal of Environmental Sciences, 2019, 77, 198-209.	6.1	59
14	In vitro immune toxicity of polybrominated diphenyl ethers on murine peritoneal macrophages: Apoptosis and immune cell dysfunction. Chemosphere, 2015, 120, 621-630.	8.2	56
15	Comparative in Vitro and in Vivo Evaluation of the Estrogenic Effect of Hexafluoropropylene Oxide Homologues. Environmental Science & Technology, 2019, 53, 8371-8380.	10.0	56
16	Length effects on the dynamic process of cellular uptake and exocytosis of single-walled carbon nanotubes in murine macrophage cells. Scientific Reports, 2017, 7, 1518.	3.3	47
17	Polyamine-functionalized carbon nanodots: a novel chemiluminescence probe for selective detection of iron(<scp>iii</scp>) ions. RSC Advances, 2014, 4, 45768-45771.	3.6	44
18	Optically Active Nanomaterials for Bioimaging and Targeted Therapy. Frontiers in Bioengineering and Biotechnology, 2019, 7, 320.	4.1	44

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19	Chlorinated Polyfluoroalkylether Sulfonic Acids Exhibit Stronger Estrogenic Effects than Perfluorooctane Sulfonate by Activating Nuclear Estrogen Receptor Pathways. Environmental Science & Technology, 2020, 54, 3455-3464.	10.0	39
20	Label-free electrochemical measurement of protein tyrosine kinase activity and inhibition based on electro-catalyzed tyrosine signaling. Biosensors and Bioelectronics, 2011, 28, 284-290.	10.1	34
21	Exposure of single-walled carbon nanotubes impairs the functions of primarily cultured murine peritoneal macrophages. Nanotoxicology, 2013, 7, 1028-1042.	3.0	34
22	In vitrotoxicity of acid-functionalized single-walled carbon nanotubes: Effects on murine macrophages and gene expression profiling. Nanotoxicology, 2012, 6, 288-303.	3.0	33
23	Biodegradation of Single-Walled Carbon Nanotubes in Macrophages through Respiratory Burst Modulation. International Journal of Molecular Sciences, 2016, 17, 409.	4.1	32
24	In vitro assessment of thyroid hormone receptor activity of four organophosphate esters. Journal of Environmental Sciences, 2016, 45, 185-190.	6.1	32
25	Perfluoroalkyl acid exposure induces protective mitochondrial and endoplasmic reticulum autophagy in lung cells. Archives of Toxicology, 2018, 92, 3131-3147.	4.2	31
26	Inhibition of O-linked N-acetylglucosamine transferase activity in PC12 cells â€“ A molecular mechanism of organophosphate flame retardants developmental neurotoxicity. Biochemical Pharmacology, 2018, 152, 21-33.	4.4	28
27	Insight into the Mechanisms of Combined Toxicity of Single-Walled Carbon Nanotubes and Nickel Ions in Macrophages: Role of P2X₇ Receptor. Environmental Science & Technology, 2016, 50, 12473-12483.	10.0	26
28	Hydroxylated Polybrominated Biphenyl Ethers Exert Estrogenic Effects via Non-Genomic G Proteinâ€“Coupled Estrogen Receptor Mediated Pathways. Environmental Health Perspectives, 2018, 126, 057005.	6.0	23
29	Crucial Role of P2X₇Receptor in Regulating Exocytosis of Single-Walled Carbon Nanotubes in Macrophages. Small, 2016, 12, 5998-6011.	10.0	20
30	Label-free electrochemical biosensing of small-molecule inhibition on O-GlcNAc glycosylation. Biosensors and Bioelectronics, 2017, 95, 94-99.	10.1	18
31	In vitro inhibition of lysine decarboxylase activity by organophosphate esters. Biochemical Pharmacology, 2014, 92, 506-516.	4.4	17
32	Carbon Nanomaterials Stimulate HMGB1 Release From Macrophages and Induce Cell Migration and Invasion. Toxicological Sciences, 2019, 172, 398-410.	3.1	17
33	Label-free electrochemical differentiation of phosphorylated and non-phosphorylated peptide by electro-catalyzed tyrosine oxidation. Analyst, The, 2008, 133, 1246.	3.5	15
34	InÂvivo immunotoxicity of perfluorooctane sulfonate in BALB/c mice: Identification of T-cell receptor and calcium-mediated signaling pathway disruption through gene expression profiling of the spleen. Chemico-Biological Interactions, 2015, 240, 84-93.	4.0	14
35	Investigation of the Binding Interaction of Fatty Acids with Human G Protein-Coupled Receptor 40 Using a Site-Specific Fluorescence Probe by Flow Cytometry. Biochemistry, 2016, 55, 1989-1996.	2.5	14
36	New insights into mechanism of bisphenol analogue neurotoxicity: implications of inhibition of O-GlcNAcase activity in PC12 cells. Archives of Toxicology, 2019, 93, 2661-2671.	4.2	11

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37	A label-free quantification method for measuring graphene oxide in biological samples. Analytica Chimica Acta, 2019, 1079, 103-110.	5.4	9
38	Twenty-four hours of Thiamethoxam: In vivo and molecular dynamics simulation study on the toxicokinetic and underlying mechanisms in quails (Coturnix japonica). Journal of Hazardous Materials, 2022, 427, 128159.	12.4	9
39	Arginine decarboxylase: A novel biological target of mercury compounds identified in PC12 cells. Biochemical Pharmacology, 2016, 118, 109-120.	4.4	8
40	Lambda-cyhalothrin and its common metabolite differentially modulate thyroid disruption effects in Chinese lizards (Eremias argus). Environmental Pollution, 2021, 287, 117322.	7.5	8
41	Identification of protein tyrosine phosphatase SHP-2 as a new target of perfluoroalkyl acids in HepG2 cells. Archives of Toxicology, 2017, 91, 1697-1707.	4.2	7
42	Cellular target recognition of perfluoroalkyl acids: In vitro evaluation of inhibitory effects on lysine decarboxylase. Science of the Total Environment, 2014, 496, 381-388.	8.0	5
43	An SDS-PAGE based method for the quantification of carbon black in biological samples. Analyst, The, 2020, 145, 3370-3375.	3.5	2
44	Carbon Nanotubes: Crucial Role of P2X7 Receptor in Regulating Exocytosis of Single-Walled Carbon Nanotubes in Macrophages (Small 43/2016). Small, 2016, 12, 5912-5912.	10.0	1