

Bin Wan

List of Publications by Year in descending order

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44
papers

2,376
citations

236925

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all docs

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3809
citing authors

#	ARTICLE	IF	CITATIONS
1	Twenty-four hours of Thiamethoxam: In vivo and molecular dynamics simulation study on the toxicokinetic and underlying mechanisms in quails (<i>Coturnix japonica</i>). <i>Journal of Hazardous Materials</i> , 2022, 427, 128159.	12.4	9
2	Lambda-cyhalothrin and its common metabolite differentially modulate thyroid disruption effects in Chinese lizards (<i>Eremias argus</i>). <i>Environmental Pollution</i> , 2021, 287, 117322.	7.5	8
3	Eco-Corona vs Protein Corona: Effects of Humic Substances on Corona Formation and Nanoplastic Particle Toxicity in <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2020, 54, 8001-8009.	10.0	111
4	An SDS-PAGE based method for the quantification of carbon black in biological samples. <i>Analyst</i> , The, 2020, 145, 3370-3375.	3.5	2
5	Chlorinated Polyfluoroalkylether Sulfonic Acids Exhibit Stronger Estrogenic Effects than Perfluorooctane Sulfonate by Activating Nuclear Estrogen Receptor Pathways. <i>Environmental Science & Technology</i> , 2020, 54, 3455-3464.	10.0	39
6	Microplastics from consumer plastic food containers: Are we consuming it?. <i>Chemosphere</i> , 2020, 253, 126787.	8.2	196
7	Cytotoxicity and autophagy induction by graphene quantum dots with different functional groups. <i>Journal of Environmental Sciences</i> , 2019, 77, 198-209.	6.1	59
8	New insights into mechanism of bisphenol analogue neurotoxicity: implications of inhibition of O-GlcNAcase activity in PC12 cells. <i>Archives of Toxicology</i> , 2019, 93, 2661-2671.	4.2	11
9	Carbon Nanomaterials Stimulate HMGB1 Release From Macrophages and Induce Cell Migration and Invasion. <i>Toxicological Sciences</i> , 2019, 172, 398-410.	3.1	17
10	A label-free quantification method for measuring graphene oxide in biological samples. <i>Analytica Chimica Acta</i> , 2019, 1079, 103-110.	5.4	9
11	Comparative in Vitro and in Vivo Evaluation of the Estrogenic Effect of Hexafluoropropylene Oxide Homologues. <i>Environmental Science & Technology</i> , 2019, 53, 8371-8380.	10.0	56
12	Humic acid alleviates the toxicity of polystyrene nanoplastic particles to <i>Daphnia magna</i> . <i>Environmental Science: Nano</i> , 2019, 6, 1466-1477.	4.3	83
13	Optically Active Nanomaterials for Bioimaging and Targeted Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 320.	4.1	44
14	Inhibition of O-linked N-acetylglucosamine transferase activity in PC12 cells – A molecular mechanism of organophosphate flame retardants developmental neurotoxicity. <i>Biochemical Pharmacology</i> , 2018, 152, 21-33.	4.4	28
15	Hydroxylated Polybrominated Biphenyl Ethers Exert Estrogenic Effects via Non-Genomic G Protein-Coupled Estrogen Receptor Mediated Pathways. <i>Environmental Health Perspectives</i> , 2018, 126, 057005.	6.0	23
16	Perfluoroalkyl acid exposure induces protective mitochondrial and endoplasmic reticulum autophagy in lung cells. <i>Archives of Toxicology</i> , 2018, 92, 3131-3147.	4.2	31
17	Label-free electrochemical biosensing of small-molecule inhibition on O-GlcNAc glycosylation. <i>Biosensors and Bioelectronics</i> , 2017, 95, 94-99.	10.1	18
18	Length effects on the dynamic process of cellular uptake and exocytosis of single-walled carbon nanotubes in murine macrophage cells. <i>Scientific Reports</i> , 2017, 7, 1518.	3.3	47

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19	Bisphenol AF and Bisphenol B Exert Higher Estrogenic Effects than Bisphenol A via G Protein-Coupled Estrogen Receptor Pathway. <i>Environmental Science & Technology</i> , 2017, 51, 11423-11430.	10.0	115
20	Identification of protein tyrosine phosphatase SHP-2 as a new target of perfluoroalkyl acids in HepG2 cells. <i>Archives of Toxicology</i> , 2017, 91, 1697-1707.	4.2	7
21	Biodegradation of Single-Walled Carbon Nanotubes in Macrophages through Respiratory Burst Modulation. <i>International Journal of Molecular Sciences</i> , 2016, 17, 409.	4.1	32
22	Carbon Nanotubes: Crucial Role of P2X7 Receptor in Regulating Exocytosis of Single-Walled Carbon Nanotubes in Macrophages (Small 43/2016). <i>Small</i> , 2016, 12, 5912-5912.	10.0	1
23	Binding interactions of perfluoroalkyl substances with thyroid hormone transport proteins and potential toxicological implications. <i>Toxicology</i> , 2016, 366-367, 32-42.	4.2	88
24	Arginine decarboxylase: A novel biological target of mercury compounds identified in PC12 cells. <i>Biochemical Pharmacology</i> , 2016, 118, 109-120.	4.4	8
25	Crucial Role of P2X ₇ Receptor in Regulating Exocytosis of Single-Walled Carbon Nanotubes in Macrophages. <i>Small</i> , 2016, 12, 5998-6011.	10.0	20
26	Insight into the Mechanisms of Combined Toxicity of Single-Walled Carbon Nanotubes and Nickel Ions in Macrophages: Role of P2X ₇ Receptor. <i>Environmental Science & Technology</i> , 2016, 50, 12473-12483.	10.0	26
27	In vitro assessment of thyroid hormone receptor activity of four organophosphate esters. <i>Journal of Environmental Sciences</i> , 2016, 45, 185-190.	6.1	32
28	Investigation of the Binding Interaction of Fatty Acids with Human G Protein-Coupled Receptor 40 Using a Site-Specific Fluorescence Probe by Flow Cytometry. <i>Biochemistry</i> , 2016, 55, 1989-1996.	2.5	14
29	Carbon dots decorated graphitic carbon nitride as an efficient metal-free photocatalyst for phenol degradation. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 656-662.	20.2	317
30	Switching Oxygen Reduction Pathway by Exfoliating Graphitic Carbon Nitride for Enhanced Photocatalytic Phenol Degradation. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 958-963.	4.6	141
31	In vivo 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. <i>Chemico-Biological Interactions</i> , 2015, 240, 84-93.	4.0	14
32	In vitro immune toxicity of polybrominated diphenyl ethers on murine peritoneal macrophages: Apoptosis and immune cell dysfunction. <i>Chemosphere</i> , 2015, 120, 621-630.	8.2	56
33	Cellular target recognition of perfluoroalkyl acids: In vitro evaluation of inhibitory effects on lysine decarboxylase. <i>Science of the Total Environment</i> , 2014, 496, 381-388.	8.0	5
34	In vitro inhibition of lysine decarboxylase activity by organophosphate esters. <i>Biochemical Pharmacology</i> , 2014, 92, 506-516.	4.4	17
35	Polyamine-functionalized carbon nanodots: a novel chemiluminescence probe for selective detection of iron(III) ions. <i>RSC Advances</i> , 2014, 4, 45768-45771.	3.6	44
36	Structure-dependent binding and activation of perfluorinated compounds on human peroxisome proliferator-activated receptor β . <i>Toxicology and Applied Pharmacology</i> , 2014, 279, 275-283.	2.8	87

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37	Exposure of single-walled carbon nanotubes impairs the functions of primarily cultured murine peritoneal macrophages. <i>Nanotoxicology</i> , 2013, 7, 1028-1042.	3.0	34
38	Hydroxylated polybrominated diphenyl ethers exhibit different activities on thyroid hormone receptors depending on their degree of bromination. <i>Toxicology and Applied Pharmacology</i> , 2013, 268, 256-263.	2.8	86
39	Single-walled carbon nanotubes and graphene oxides induce autophagosome accumulation and lysosome impairment in primarily cultured murine peritoneal macrophages. <i>Toxicology Letters</i> , 2013, 221, 118-127.	0.8	145
40	Chemiluminescence of carbon dots under strong alkaline solutions: a novel insight into carbon dot optical properties. <i>Nanoscale</i> , 2013, 5, 2655.	5.6	154
41	<i>In vitro</i> toxicity of acid-functionalized single-walled carbon nanotubes: Effects on murine macrophages and gene expression profiling. <i>Nanotoxicology</i> , 2012, 6, 288-303.	3.0	33
42	Label-free electrochemical measurement of protein tyrosine kinase activity and inhibition based on electro-catalyzed tyrosine signaling. <i>Biosensors and Bioelectronics</i> , 2011, 28, 284-290.	10.1	34
43	Label-free electrochemical differentiation of phosphorylated and non-phosphorylated peptide by electro-catalyzed tyrosine oxidation. <i>Analyst, The</i> , 2008, 133, 1246.	3.5	15
44	In Vitro Immune Toxicity of Depleted Uranium: Effects on Murine Macrophages, CD4+T Cells, and Gene Expression Profiles. <i>Environmental Health Perspectives</i> , 2006, 114, 85-91.	6.0	60