

Lixia Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

2,254
citations

236925

25
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233421

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docs citations

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times ranked

3472
citing authors

#	ARTICLE	IF	CITATIONS
1	Exposure to perfluorooctane sulfonate reduced cell viability and insulin release capacity of β^2 cells. <i>Journal of Environmental Sciences</i> , 2022, 115, 162-172.	6.1	12
2	Dechloranes exhibit binding potency and activity to thyroid hormone receptors. <i>Journal of Environmental Sciences</i> , 2022, 112, 16-24.	6.1	3
3	Efficient photodegradation of PFOA using spherical BiOBr modified TiO ₂ via hole-remained oxidation mechanism. <i>Chemosphere</i> , 2022, 298, 134176.	8.2	15
4	Exploring the origin of efficient adsorption of poly- and perfluoroalkyl substances in household point-of-use water purifiers: Deep insights from a joint experimental and computational study. <i>Science of the Total Environment</i> , 2022, 831, 154988.	8.0	16
5	An efficient floating adsorption-photocatalyst to decarboxylate D-Glu and D-MeAsp of Microcystin-LR via holes direct oxidation. <i>Chemical Engineering Journal</i> , 2021, 413, 127543.	12.7	24
6	The identification of the major contributors in atmospheric particulate matter to oxidative stress using surrogate particles. <i>Environmental Science: Nano</i> , 2021, 8, 527-542.	4.3	0
7	Chemiluminescence detection of reactive oxygen species generation and potential environmental applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 136, 116197.	11.4	47
8	Environmental Estrogens and Their Biological Effects through GPER Mediated Signal Pathways. <i>Environmental Pollution</i> , 2021, 278, 116826.	7.5	28
9	TiO ₂ @MOF Photocatalyst for the Synergetic Oxidation of Microcystin-LR and Reduction of Cr(VI) in Aqueous Media. <i>Catalysts</i> , 2021, 11, 1186.	3.5	10
10	A High-Throughput Platform for the Rapid Quantification of Phosphorylated Histone H2AX in Cell Lysates Based on Microplate Electrochemiluminescence Immunosensor Array. <i>ACS Sensors</i> , 2021, 6, 3724-3732.	7.8	10
11	Size distribution of particulate polycyclic aromatic hydrocarbons in fresh combustion smoke and ambient air: A review. <i>Journal of Environmental Sciences</i> , 2020, 88, 370-384.	6.1	84
12	Rapid evaluation of oxygen vacancies-enhanced photogeneration of the superoxide radical in nano-TiO ₂ suspensions. <i>RSC Advances</i> , 2020, 10, 29082-29089.	3.6	26
13	Dynamic monitoring and regulation of pentachlorophenol photodegradation process by chemiluminescence and TiO ₂ /PDA. <i>Journal of Hazardous Materials</i> , 2020, 399, 123073.	12.4	30
14	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
15	Surface Bridge Hydroxyl-Mediated Promotion of Reactive Oxygen Species in Different Particle Size TiO ₂ Suspensions. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3024-3028.	4.6	36
16	Enhanced photocatalytic removal of hexavalent chromium through localized electrons in polydopamine-modified TiO ₂ under visible irradiation. <i>Chemical Engineering Journal</i> , 2019, 373, 58-67.	12.7	76
17	Facet-mediated interaction between humic acid and TiO ₂ nanoparticles: implications for aggregation and stability kinetics in aquatic environments. <i>Environmental Science: Nano</i> , 2019, 6, 1754-1764.	4.3	10
18	Roles of reactive oxygen species (ROS) in the photocatalytic degradation of pentachlorophenol and its main toxic intermediates by TiO ₂ /UV. <i>Journal of Hazardous Materials</i> , 2019, 369, 719-726.	12.4	80

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19	A formation model of superoxide radicals photogenerated in nano-TiO ₂ suspensions. RSC Advances, 2019, 9, 29429-29432.	3.6	3
20	Dynamic Tracking of Highly Toxic Intermediates in Photocatalytic Degradation of Pentachlorophenol by Continuous Flow Chemiluminescence. Environmental Science & Technology, 2018, 52, 2870-2877.	10.0	38
21	Continuous generation of hydroxyl radicals for highly efficient elimination of chlorophenols and phenols catalyzed by heterogeneous Fenton-like catalysts yolk/shell Pd@Fe ₃ O ₄ @metal organic frameworks. Journal of Hazardous Materials, 2018, 346, 174-183.	12.4	124
22	Facet-Dependent Interfacial Charge Transfer in Fe(III)-Grafted TiO ₂ Nanostructures Activated by Visible Light. ACS Catalysis, 2018, 8, 9399-9407.	11.2	50
23	Direct evidence for surface long-lived superoxide radicals photo-generated in TiO ₂ and other metal oxide suspensions. Physical Chemistry Chemical Physics, 2018, 20, 18978-18985.	2.8	37
24	Dual-labeled chemiluminescence enzyme immunoassay for simultaneous measurement of total prostate specific antigen (TPSA) and free prostate specific antigen (FPSA). Luminescence, 2017, 32, 1547-1553.	2.9	24
25	A novel high throughput screening assay for binding affinities of perfluoroalkyl iodide for estrogen receptor alpha and beta isoforms. Talanta, 2017, 175, 413-420.	5.5	14
26	Quantitative Analysis of Reactive Oxygen Species Photogenerated on Metal Oxide Nanoparticles and Their Bacteria Toxicity: The Role of Superoxide Radicals. Environmental Science & Technology, 2017, 51, 10137-10145.	10.0	161
27	Unprecedented Two-Step Chemiluminescence of Polyamine-Functionalized Carbon Nanodots Induced by Fenton-Like System. Journal of Analysis and Testing, 2017, 1, 315-321.	5.1	2
28	Donor/acceptor nanoparticle pair-based singlet oxygen channeling homogenous chemiluminescence immunoassay for quantitative determination of bisphenol A. Analytical and Bioanalytical Chemistry, 2016, 408, 8795-8804.	3.7	34
29	Superoxide-Mediated Extracellular Biosynthesis of Silver Nanoparticles by the Fungus <i>Fusarium oxysporum</i> . Environmental Science and Technology Letters, 2016, 3, 160-165.	8.7	55
30	Light-Induced Efficient Molecular Oxygen Activation on a Cu(II)-Grafted TiO ₂ /Graphene Photocatalyst for Phenol Degradation. ACS Applied Materials & Interfaces, 2015, 7, 1816-1823.	8.0	106
31	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
32	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
33	Online Quantification of O ₂ ^{•-} and H ₂ O ₂ and Their Formation Kinetics in Ultraviolet (UV)-Irradiated Nano-TiO ₂ Suspensions by Continuous Flow Chemiluminescence. Acta Chimica Sinica, 2015, 73, 388.	1.4	7
34	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
35	Online Detection of Reactive Oxygen Species in Ultraviolet (UV)-Irradiated Nano-TiO ₂ Suspensions by Continuous Flow Chemiluminescence. Analytical Chemistry, 2014, 86, 10535-10539.	6.5	74
36	Polyamine-functionalized carbon nanodots: a novel chemiluminescence probe for selective detection of iron(III) ions. RSC Advances, 2014, 4, 45768-45771.	3.6	44

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37	UV Irradiation Induced Transformation of TiO ₂ Nanoparticles in Water: Aggregation and Photoreactivity. <i>Environmental Science & Technology</i> , 2014, 48, 11962-11968.	10.0	72
38	Organo-modified layered double hydroxide-catalyzed Fenton-like ultra-weak chemiluminescence for specific sensing of vitamin B12 in egg yolks. <i>Talanta</i> , 2014, 129, 126-131.	5.5	14
39	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
40	Two-Dimensional Interface Engineering of a Titaniaâ€“Graphene Nanosheet Composite for Improved Photocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 13035-13041.	8.0	144
41	Micro-plate magnetic chemiluminescence immunoassay and its applications in carcinoembryonic antigen analysis. <i>Science China Chemistry</i> , 2010, 53, 812-819.	8.2	23
42	Sensitive fluorescent sensing for DNA assay. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 980-1003.	11.4	24
43	Simultaneous Determination of Ten Estrogens and their Metabolites in Waters by Improved Two-Step SPE Followed by LCâ€“MS. <i>Chromatographia</i> , 2009, 69, 621-628.	1.3	26
44	Molecularly imprinted solid-phase extraction for the selective determination of 17Î²-estradiol in fishery samples with high performance liquid chromatography. <i>Talanta</i> , 2009, 78, 442-447.	5.5	151
45	Separation of Organomercury Species Using Nonaqueous Capillary Electrophoresis Coupled with Sample Stacking and Electrokinetic Injection Techniques. <i>Chromatographia</i> , 2006, 64, 281-285.	1.3	8
46	Development of a micro-plate magnetic chemiluminescence enzyme immunoassay (MMCLEIA) for rapid- and high-throughput analysis of 17Î²-estradiol in water samples. <i>Journal of Biotechnology</i> , 2005, 118, 177-186.	3.8	45