

Liang-Hong Guo

List of Publications by Year in descending order

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92
papers

4,283
citations

101384

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118652

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93
all docs

93
docs citations

93
times ranked

5990
citing authors

#	ARTICLE	IF	CITATIONS
1	Microplastics from consumer plastic food containers: Are we consuming it?. <i>Chemosphere</i> , 2020, 253, 126787.	4.2	196
2	Structure-Based Investigation on the Interaction of Perfluorinated Compounds with Human Liver Fatty Acid Binding Protein. <i>Environmental Science & Technology</i> , 2013, 47, 11293-11301.	4.6	171
3	Quantitative Analysis of Reactive Oxygen Species Photogenerated on Metal Oxide Nanoparticles and Their Bacteria Toxicity: The Role of Superoxide Radicals. <i>Environmental Science & Technology</i> , 2017, 51, 10137-10145.	4.6	161
4	Chemiluminescence of carbon dots under strong alkaline solutions: a novel insight into carbon dot optical properties. <i>Nanoscale</i> , 2013, 5, 2655.	2.8	154
5	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.	0.4	145
6	Two-Dimensional Interface Engineering of a Titaniaâ€“Graphene Nanosheet Composite for Improved Photocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 13035-13041.	4.0	144
7	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.	2.1	141
8	Bisphenol A alternatives bisphenol S and bisphenol F interfere with thyroid hormone signaling pathway <i>in vitro</i> and <i>in vivo</i> . <i>Environmental Pollution</i> , 2018, 237, 1072-1079.	3.7	132
9	Parabens as chemicals of emerging concern in the environment and humans: A review. <i>Science of the Total Environment</i> , 2021, 778, 146150.	3.9	116
10	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.	4.6	115
11	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.	4.6	111
12	Chlorinated Polyfluorinated Ether Sulfonates Exhibit Higher Activity toward Peroxisome Proliferator-Activated Receptors Signaling Pathways than Perfluorooctanesulfonate. <i>Environmental Science & Technology</i> , 2018, 52, 3232-3239.	4.6	108
13	Light-Induced Efficient Molecular Oxygen Activation on a Cu(II)-Grafted TiO ₂ /Graphene Photocatalyst for Phenol Degradation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1816-1823.	4.0	106
14	Structure-based investigation on the binding interaction of hydroxylated polybrominated diphenyl ethers with thyroxine transport proteins. <i>Toxicology</i> , 2010, 277, 20-28.	2.0	101
15	Assessment of the Binding of Hydroxylated Polybrominated Diphenyl Ethers to Thyroid Hormone Transport Proteins Using a Site-Specific Fluorescence Probe. <i>Environmental Science & Technology</i> , 2012, 46, 4633-4640.	4.6	94
16	Binding interactions of perfluoroalkyl substances with thyroid hormone transport proteins and potential toxicological implications. <i>Toxicology</i> , 2016, 366-367, 32-42.	2.0	88
17	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.	1.3	87
18	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.	1.3	86

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19	Humic acid alleviates the toxicity of polystyrene nanoplastic particles to <i>Daphnia magna</i> . <i>Environmental Science: Nano</i> , 2019, 6, 1466-1477.	2.2	83
20	Structure-activity relations in binding of perfluoroalkyl compounds to human thyroid hormone T3 receptor. <i>Archives of Toxicology</i> , 2015, 89, 233-242.	1.9	80
21	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.	6.5	80
22	Online Detection of Reactive Oxygen Species in Ultraviolet (UV)-Irradiated Nano-TiO ₂ Suspensions by Continuous Flow Chemiluminescence. <i>Analytical Chemistry</i> , 2014, 86, 10535-10539.	3.2	74
23	UV Irradiation Induced Transformation of TiO ₂ Nanoparticles in Water: Aggregation and Photoreactivity. <i>Environmental Science & Technology</i> , 2014, 48, 11962-11968.	4.6	72
24	Adipogenic Activity of Oligomeric Hexafluoropropylene Oxide (Perfluorooctanoic Acid Alternative) through Peroxisome Proliferator-Activated Receptor β Pathway. <i>Environmental Science & Technology</i> , 2019, 53, 3287-3295.	4.6	60
25	Cytotoxicity and autophagy induction by graphene quantum dots with different functional groups. <i>Journal of Environmental Sciences</i> , 2019, 77, 198-209.	3.2	59
26	Chlorinated Polyfluoroalkylether Sulfonates Exhibit Similar Binding Potency and Activity to Thyroid Hormone Transport Proteins and Nuclear Receptors as Perfluorooctanesulfonate. <i>Environmental Science & Technology</i> , 2018, 52, 9412-9418.	4.6	58
27	In vitro immune toxicity of polybrominated diphenyl ethers on murine peritoneal macrophages: Apoptosis and immune cell dysfunction. <i>Chemosphere</i> , 2015, 120, 621-630.	4.2	56
28	Comparative in Vitro and in Vivo Evaluation of the Estrogenic Effect of Hexafluoropropylene Oxide Homologues. <i>Environmental Science & Technology</i> , 2019, 53, 8371-8380.	4.6	56
29	Facet-Dependent Interfacial Charge Transfer in Fe(III)-Grafted TiO ₂ Nanostructures Activated by Visible Light. <i>ACS Catalysis</i> , 2018, 8, 9399-9407.	5.5	50
30	Assessment of Estrogenic Activity of Perfluoroalkyl Acids Based on Ligand-induced Conformation State of Human Estrogen Receptor. <i>Environmental Science & Technology</i> , 2013, 47, 634-641.	4.6	48
31	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.	1.6	47
32	Polyamine-functionalized carbon nanodots: a novel chemiluminescence probe for selective detection of iron(III) ions. <i>RSC Advances</i> , 2014, 4, 45768-45771.	1.7	44
33	Structure-dependent activities of hydroxylated polybrominated diphenyl ethers on human estrogen receptor. <i>Toxicology</i> , 2013, 309, 15-22.	2.0	42
34	DNA biosensors based on metallo-intercalator probes and electrocatalytic amplification. <i>Mikrochimica Acta</i> , 2011, 172, 247-260.	2.5	39
35	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.	4.6	39
36	Chemical-Induced Unfolding of Cofactor-Free Protein Monitored by Electrochemistry. <i>Analytical Chemistry</i> , 2006, 78, 6275-6278.	3.2	38

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37	Dynamic Tracking of Highly Toxic Intermediates in Photocatalytic Degradation of Pentachlorophenol by Continuous Flow Chemiluminescence. <i>Environmental Science & Technology</i> , 2018, 52, 2870-2877.	4.6	38
38	Direct evidence for surface long-lived superoxide radicals photo-generated in TiO ₂ and other metal oxide suspensions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18978-18985.	1.3	37
39	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.	2.1	36
40	Perfluoroalkyl Substances Stimulate Insulin Secretion by Islet β Cells via G Protein-Coupled Receptor 40. <i>Environmental Science & Technology</i> , 2020, 54, 3428-3436.	4.6	36
41	Donor/acceptor nanoparticle pair-based singlet oxygen channeling homogenous chemiluminescence immunoassay for quantitative determination of bisphenol A. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8795-8804.	1.9	34
42	<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.	1.6	33
43	Biodegradation of Single-Walled Carbon Nanotubes in Macrophages through Respiratory Burst Modulation. <i>International Journal of Molecular Sciences</i> , 2016, 17, 409.	1.8	32
44	In vitro assessment of thyroid hormone receptor activity of four organophosphate esters. <i>Journal of Environmental Sciences</i> , 2016, 45, 185-190.	3.2	32
45	Perfluoroalkyl acid exposure induces protective mitochondrial and endoplasmic reticulum autophagy in lung cells. <i>Archives of Toxicology</i> , 2018, 92, 3131-3147.	1.9	31
46	One-step and high-density protein immobilization on epoxysilane-modified silica nanoparticles. <i>Science Bulletin</i> , 2009, 54, 2620-2626.	4.3	30
47	Dynamic monitoring and regulation of pentachlorophenol photodegradation process by chemiluminescence and TiO ₂ /PDA. <i>Journal of Hazardous Materials</i> , 2020, 399, 123073.	6.5	30
48	Structure-Dependent Activity of Polybrominated Diphenyl Ethers and Their Hydroxylated Metabolites on Estrogen Related Receptor β : in Vitro and in Silico Study. <i>Environmental Science & Technology</i> , 2018, 52, 8894-8902.	4.6	29
49	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.	2.0	28
50	Environmental Estrogens and Their Biological Effects through GPER Mediated Signal Pathways. <i>Environmental Pollution</i> , 2021, 278, 116826.	3.7	28
51	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.	4.6	26
52	Organophosphate Esters Bind to and Inhibit Estrogen-Related Receptor β in Cells. <i>Environmental Science and Technology Letters</i> , 2018, 5, 68-73.	3.9	26
53	Investigation of binding and activity of perfluoroalkyl substances to the human peroxisome proliferator-activated receptor β . <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 1908-1914.	1.7	26
54	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.	2.8	23

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55	Binding and activity of polybrominated diphenyl ether sulfates to thyroid hormone transport proteins and nuclear receptors. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 950-956.	1.7	22
56	Interplay between engineered nanomaterials and microbiota. <i>Environmental Science: Nano</i> , 2020, 7, 2454-2485.	2.2	21
57	Part-per-trillion level detection of estradiol by competitive fluorescence immunoassay using DNA/dye conjugate as antibody multiple labels. <i>Analytica Chimica Acta</i> , 2008, 624, 141-146.	2.6	20
58	Crucial Role of P2X ₇ Receptor in Regulating Exocytosis of Single-Walled Carbon Nanotubes in Macrophages. <i>Small</i> , 2016, 12, 5998-6011.	5.2	20
59	Determination of Surface-Immobilized Double-Stranded DNA Using a Metallointercalator and Catalytic Voltammetry. <i>Mikrochimica Acta</i> , 2006, 155, 409-414.	2.5	18
60	Label-free electrochemical biosensing of small-molecule inhibition on O-GlcNAc glycosylation. <i>Biosensors and Bioelectronics</i> , 2017, 95, 94-99.	5.3	18
61	Perfluorooctanoic acid alternatives hexafluoropropylene oxides exert male reproductive toxicity by disrupting blood-testis barrier. <i>Science of the Total Environment</i> , 2022, 846, 157313.	3.9	18
62	Development of microplate-based photoelectrochemical DNA biosensor array for high throughput detection of DNA damage. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 334-340.	4.0	17
63	In vitro inhibition of lysine decarboxylase activity by organophosphate esters. <i>Biochemical Pharmacology</i> , 2014, 92, 506-516.	2.0	17
64	Carbon Nanomaterials Stimulate HMGB1 Release From Macrophages and Induce Cell Migration and Invasion. <i>Toxicological Sciences</i> , 2019, 172, 398-410.	1.4	17
65	Multiple DNA Binding Modes of a Metallointercalator Revealed by DNA Film Voltammetry. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20568-20571.	1.2	16
66	An electrochemiluminescence biosensor for 8-oxo-7,8-dihydro-2 α -deoxyguanosine quantification and DNA repair enzyme activity analysis using a novel bifunctional probe. <i>Biosensors and Bioelectronics</i> , 2015, 69, 235-240.	5.3	16
67	Perfluorodecanoic acid (PFDA) promotes gastric cell proliferation via sPLA2-IIA. <i>Oncotarget</i> , 2017, 8, 50911-50920.	0.8	16
68	A new chemically amplified electrochemical system for the detection of biological affinity reactions: direct and competitive biotin assay. <i>Analyst</i> , 2005, 130, 1027.	1.7	15
69	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.	1.7	14
70	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.	1.2	14
71	Estrogen-related receptor β is a novel target for Lower-Chlorinated Polychlorinated Biphenyls and their hydroxylated and sulfated metabolites. <i>Environmental Pollution</i> , 2019, 254, 113088.	3.7	14
72	Binding and activation of estrogen related receptor β as possible molecular initiating events of hydroxylated benzophenones endocrine disruption toxicity. <i>Environmental Pollution</i> , 2020, 263, 114656.	3.7	13

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73	Binding and activity of sulfated metabolites of lower-chlorinated polychlorinated biphenyls towards thyroid hormone receptor alpha. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 686-692.	2.9	12
74	Receptor-Bound Perfluoroalkyl Carboxylic Acids Dictate Their Activity on Human and Mouse Peroxisome Proliferator-Activated Receptor β . <i>Environmental Science & Technology</i> , 2020, 54, 9529-9536.	4.6	12
75	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.	1.9	11
76	Functions and performance of ionic liquids in enhancing electrocatalytic hydrogen evolution reactions: a comprehensive review. <i>RSC Advances</i> , 2022, 12, 19452-19469.	1.7	11
77	Development of a label-free competitive ligand binding assay with human serum albumin on a molecularly engineered surface plasmon resonance sensor chip. <i>Analytical Methods</i> , 2012, 4, 3718.	1.3	10
78	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.	2.2	10
79	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.	4.0	10
80	Lack of nano size effect on electrochemistry of dopamine at a gold nanoparticle modified indium tin oxide electrode. <i>Science China Chemistry</i> , 2010, 53, 1778-1783.	4.2	8
81	UV irradiation mediated aggregation of TiO ₂ nanoparticles in simulated aquatic system. <i>NanoImpact</i> , 2016, 3-4, 75-80.	2.4	8
82	Arginine decarboxylase: A novel biological target of mercury compounds identified in PC12 cells. <i>Biochemical Pharmacology</i> , 2016, 118, 109-120.	2.0	8
83	XRCC4, which is inhibited by PFDA, regulates DNA damage repair and cell chemosensitivity. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 12665-12676.	1.2	8
84	Binding and activity of bisphenol analogues to human peroxisome proliferator-activated receptor β . <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112849.	2.9	8
85	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.	1.9	7
86	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.	3.9	5
87	Haze and health. <i>National Science Review</i> , 2016, 3, 412-413.	4.6	5
88	A formation model of superoxide radicals photogenerated in nano-TiO ₂ suspensions. <i>RSC Advances</i> , 2019, 9, 29429-29432.	1.7	3
89	Photoelectrochemical Competitive Detection of Biotin. <i>Chinese Journal of Analytical Chemistry</i> , 2013, 41, 1477-1481.	0.9	2
90	Unprecedented Two-Step Chemiluminescence of Polyamine-Functionalized Carbon Nanodots Induced by Fenton-Like System. <i>Journal of Analysis and Testing</i> , 2017, 1, 315-321.	2.5	2

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91	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.	5.2	1
92	The identification of the major contributors in atmospheric particulate matter to oxidative stress using surrogate particles. Environmental Science: Nano, 2021, 8, 527-542.	2.2	0