

# Chia-Hua Lin

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,790  
citations

394286

19  
h-index

276775

41  
g-index

52  
all docs

52  
docs citations

52  
times ranked

3002  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polystyrene microplastic particles: In vitro pulmonary toxicity assessment. <i>Journal of Hazardous Materials</i> , 2020, 385, 121575.	6.5	287
2	Photothermal Therapeutic Response of Cancer Cells to Aptamer-Gold Nanoparticle-Hybridized Graphene Oxide under NIR Illumination. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 5097-5106.	4.0	199
3	Synthesis of Self-Assembled Spermidine-Carbon Quantum Dots Effective against Multidrug-Resistant Bacteria. <i>Advanced Healthcare Materials</i> , 2016, 5, 2545-2554.	3.9	151
4	One-step synthesis of biofunctional carbon quantum dots for bacterial labeling. <i>Biosensors and Bioelectronics</i> , 2015, 68, 1-6.	5.3	141
5	Carbon Dot-Mediated Synthesis of Manganese Oxide Decorated Graphene Nanosheets for Supercapacitor Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3008-3016.	3.2	104
6	The chemical fate of the Cd/Se/Te-based quantum dot 705 in the biological system: toxicity implications. <i>Nanotechnology</i> , 2009, 20, 215101.	1.3	66
7	Polycyclic aromatic hydrocarbons are associated with increased risk of chronic obstructive pulmonary disease during haze events in China. <i>Science of the Total Environment</i> , 2017, 574, 1649-1658.	3.9	57
8	The effect of surface charge on the cytotoxicity and uptake of carbon quantum dots in human umbilical cord derived mesenchymal stem cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 241-249.	2.5	53
9	Improved Anticancer Photothermal Therapy Using the Bystander Effect Enhanced by Antiarrhythmic Peptide Conjugated Dopamine-Modified Reduced Graphene Oxide Nanocomposite. <i>Advanced Healthcare Materials</i> , 2017, 6, 1600804.	3.9	49
10	Cd/Se/Te-based quantum dot 705 modulated redox homeostasis with hepatotoxicity in mice. <i>Nanotoxicology</i> , 2011, 5, 650-663.	1.6	47
11	Consecutive evaluation of graphene oxide and reduced graphene oxide nanoplatelets immunotoxicity on monocytes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 153, 300-309.	2.5	39
12	Industrial PM2.5 cause pulmonary adverse effect through RhoA/ROCK pathway. <i>Science of the Total Environment</i> , 2017, 599-600, 1658-1666.	3.9	33
13	Effects of Naphthalene Quinonoids on the Induction of Oxidative DNA Damage and Cytotoxicity in Calf Thymus DNA and in Human Cultured Cells. <i>Chemical Research in Toxicology</i> , 2005, 18, 1262-1270.	1.7	32
14	Induction of ROS formation, poly(ADP-ribose) polymerase-1 activation, and cell death by PCB126 and PCB153 in human T47D and MDA-MB-231 breast cancer cells. <i>Chemico-Biological Interactions</i> , 2006, 162, 181-194.	1.7	32
15	Homogeneously alloyed nanoparticles of immiscible Ag-Cu with ultrahigh antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 180, 466-472.	2.5	31
16	Immobilization of iron hydroxide/oxide on reduced graphene oxide: peroxidase-like activity and selective detection of sulfide ions. <i>RSC Advances</i> , 2014, 4, 37705.	1.7	30
17	Nano zerovalent iron particles induce pulmonary and cardiovascular toxicity in an <i>in vitro</i> human co-culture model. <i>Nanotoxicology</i> , 2016, 10, 881-890.	1.6	29
18	The nephrotoxic potential of polystyrene microplastics at realistic environmental concentrations. <i>Journal of Hazardous Materials</i> , 2022, 427, 127871.	6.5	29

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19	Respiratory deposition and health risk of inhalation of particle-bound heavy metals in the carbon black feeding area of a tire manufacturer. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 1281-1289.	1.5	24
20	Disparity in the induction of glutathione depletion, ROS formation, poly(ADP-ribose) polymerase-1 activation, and apoptosis by quinonoid derivatives of naphthalene in human cultured cells. <i>Chemico-Biological Interactions</i> , 2007, 165, 200-210.	1.7	19
21	Effects of heavy metals on health risk and characteristic in surrounding atmosphere of tire manufacturing plant, Taiwan. <i>RSC Advances</i> , 2018, 8, 3041-3050.	1.7	19
22	Antibacterial Activity of Emulsified Pomelo ( <i>Citrus grandis</i> Osbeck) Peel Oil and Water-Soluble Chitosan on <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> . <i>Molecules</i> , 2018, 23, 840.	1.7	19
23	Induction of Cytotoxicity, Aldehydic DNA Lesions, and Poly(ADP-Ribose) Polymerase-1 Activation by Catechol Derivatives of Pentachlorophenol in Calf Thymus DNA and in Human Breast Cancer Cells. <i>Chemical Research in Toxicology</i> , 2005, 18, 257-264.	1.7	18
24	Comparative health risk of inhaled exposure to organic solvents, toxic metals, and hexavalent chromium from the use of spray paints in Taiwan. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33906-33916.	2.7	18
25	Enhanced Efficient NIR Photothermal Therapy Using Pleurocidin NRC-03 Peptide-Conjugated Dopamine-Modified Reduced Graphene Oxide Nanocomposite. <i>ACS Omega</i> , 2019, 4, 3298-3305.	1.6	18
26	Preparation of Multifunctional Dopamine-Coated Zerovalent Iron/Reduced Graphene Oxide for Targeted Phototherapy in Breast Cancer. <i>Nanomaterials</i> , 2020, 10, 1957.	1.9	18
27	In vitro renal toxicity evaluation of copper-based metal-organic framework HKUST-1 on human embryonic kidney cells. <i>Environmental Pollution</i> , 2021, 273, 116528.	3.7	18
28	Protective role of estrogen receptor-alpha on lower chlorinated PCB congener-induced DNA damage and repair in human tumoral breast cells. <i>Toxicology Letters</i> , 2009, 188, 11-19.	0.4	17
29	Carbon black aggregates cause endothelial dysfunction by activating ROCK. <i>Journal of Hazardous Materials</i> , 2017, 338, 66-75.	6.5	17
30	Selective aerobic oxidation of 5-hydroxymethylfurfural to 2,5-diformylfuran catalyzed by Cu-based metal organic frameworks with 2,2,6,6-tetramethylpiperidin-oxyl. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 102, 242-249.	2.7	17
31	Electronic microscopy evidence for mitochondria as targets for Cd/Se/Te-based quantum dot 705 toxicity <i>in vivo</i> . <i>Kaohsiung Journal of Medical Sciences</i> , 2012, 28, S53-62.	0.8	16
32	Assessment of the pulmonary toxic potential of nano-tobacco stem-pyrolyzed biochars. <i>Environmental Science: Nano</i> , 2019, 6, 1527-1535.	2.2	16
33	Environmental concentration of spray paint particulate matters causes pulmonary dysfunction in human normal bronchial epithelial BEAS-2B cell. <i>Chemical Engineering Research and Design</i> , 2019, 126, 250-258.	2.7	13
34	TEMPO-Functionalized Silica as an Efficient and Recyclable Oxidation Catalyst for Conversion of a Lignin Model Compound to Value-Added Products. <i>Waste and Biomass Valorization</i> , 2020, 11, 6917-6928.	1.8	12
35	Cobalt-based coordination polymer-derived hexagonal porous cobalt oxide nanoplate as an enhanced catalyst for hydrogen generation from hydrolysis of borohydride. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 31952-31962.	3.8	12
36	Iron Hydroxide/Oxide-Reduced Graphene Oxide Nanocomposite for Dual-Modality Photodynamic and Photothermal Therapy In Vitro and In Vivo. <i>Nanomaterials</i> , 2021, 11, 1947.	1.9	12

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37	Purification and Identification of Cholesterol Micelle Formation Inhibitory Peptides of Hydrolysate from High Hydrostatic Pressure-Assisted Protease Hydrolysis of Fermented Seabass Byproduct. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5295.	1.8	11
38	ROCK inhibitor Y-27632 attenuated early endothelial dysfunction caused by occupational environmental concentrations of carbon black nanoparticles. <i>Environmental Science: Nano</i> , 2017, 4, 1525-1533.	2.2	9
39	Dopamine-Modified Zero-Valent Iron Nanoparticles for Dual-Modality Photothermal and Photodynamic Breast Cancer Therapy. <i>ChemMedChem</i> , 2020, 15, 1645-1651.	1.6	9
40	The impact of pyrolysis temperature on physicochemical properties and pulmonary toxicity of tobacco stem micro-biochar. <i>Chemosphere</i> , 2021, 263, 128349.	4.2	8
41	Photoinduced antibacterial activity of NRC03 peptide-conjugated dopamine/nano-reduced graphene oxide against <i>Staphylococcus aureus</i> . <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 2442-2448.	1.6	7
42	Adverse pulmonary impacts of environmental concentrations of oil mist particulate matter in normal human bronchial epithelial cell. <i>Science of the Total Environment</i> , 2022, 809, 151119.	3.9	7
43	Source apportionment and health effects of particle-bound metals in PM <sub>2.5</sub> near a precision metal machining factory. <i>Air Quality, Atmosphere and Health</i> , 2022, 15, 605-617.	1.5	7
44	Pulmonary toxicity of actual alveolar deposition concentrations of ultrafine particulate matters in human normal bronchial epithelial cell. <i>Environmental Science and Pollution Research</i> , 2021, 28, 50179-50187.	2.7	5
45	PM <sub>2.5</sub> collecting in a tire manufacturing plant affects epithelial differentiation of human umbilical cord derived mesenchymal stem cells by Wnt/ $\beta$ -catenin pathway. <i>Chemosphere</i> , 2020, 244, 125441.	4.2	4
46	Genetic polymorphisms in APE1 Asp148Glu(rs3136820) as a modifier of the background levels of abasic sites in human leukocytes derived from breast cancer patients and controls. <i>Breast Cancer</i> , 2017, 24, 420-426.	1.3	3
47	Selective conversion of hydroxymethylfurfural to diformylfuran using copper hydroxide nitrate with various nano-structures: a comparative study. <i>Sustainable Energy and Fuels</i> , 2022, 6, 276-288.	2.5	0