Rui Chen

List of Publications by Year in Descending Order

133 papers	2,472 citations	25 h-index	45 g-index
148 ext. papers	3,271 ext. citations	6.6 avg, IF	5.16 L-index

#	Paper	IF	Citations
133	Functional variant rs2270363 on 16p13.3 confers schizophrenia risk by regulating NMRAL1.. *Brain*, **2022**,	11.2	1
132	Visual Aura Secondary to Supratentorial Lipomatous Meningioma: A Rare Case Report.. *Diagnostics*, **2022**, 12,	3.8	
131	GLIS3 mediated by the Rap1/PI3K/AKT signal pathway facilitates real-ambient PM exposure disturbed thyroid hormone homeostasis regulation.. *Ecotoxicology and Environmental Safety*, **2022**, 232, 113248	7	1
130	Orally administered BiS@SiO core-shell nanomaterials as gastrointestinal contrast agents and their influence on gut microbiota.. *Materials Today Bio*, **2022**, 13, 100178	9.9	1
129	Regulatory Variant rs2535629 in ITIH3 Intron Confers Schizophrenia Risk By Regulating CTCF Binding and SFMBT1 Expression.. *Advanced Science*, **2022**, e2104786	13.6	1
128	Real ambient particulate matter-induced lipid metabolism disorder: Roles of peroxisome proliferators-activated receptor alpha.. *Ecotoxicology and Environmental Safety*, **2022**, 231, 113173	7	1
127	Morphological and nanostructure characteristics of soot particles emitted from a jet-stirred reactor burning aviation fuel. *Combustion and Flame*, **2022**, 236, 111760	5.3	3
126	Folic acid targets splenic extramedullary hemopoiesis to attenuate carbon black-induced coagulation-thrombosis potential. *Journal of Hazardous Materials*, **2022**, 424, 127354	12.8	1
125	Functional genomics elucidates regulatory mechanisms of Parkinson's disease-associated variants.. *BMC Medicine*, **2022**, 20, 68	11.4	0
124	Chemotherapeutic Risk lncRNA-PVT1 SNP Sensitizes Metastatic Colorectal Cancer to FOLFOX Regimen.. *Frontiers in Oncology*, **2022**, 12, 808889	5.3	1
123	Accumulated oxidative stress risk in HUVECs by chronic exposure to non-observable acute effect levels of PM.. *Toxicology in Vitro*, **2022**, 105376	3.6	
122	Silica nanoparticles induce cardiac injury and dysfunction via ROS/Ca/CaMKII signaling.. *Science of the Total Environment*, **2022**, 837, 155733	10.2	0
121	Functional genomic analysis delineates regulatory mechanisms of GWAS-identified bipolar disorder risk variants.. *Genome Medicine*, **2022**, 14, 53	14.4	0
120	Knockdown of growth factor receptor bound protein 7 suppresses angiogenesis by inhibiting the secretion of vascular endothelial growth factor A in ovarian cancer cells. *Bioengineered*, **2021**, 12, 12179-12190	5.7	3
119	The influences of ambient fine particulate matter constituents on plasma hormones, circulating TMAO levels and blood pressure: A panel study in China.. *Environmental Pollution*, **2021**, 296, 118746	9.3	0
118	Lipomatous Meningioma: Clinical-Pathological Findings, Imaging Characterisation and Correlations of a Rare Type of Meningioma. *In Vivo*, **2021**, 35, 3031-3037	2.3	1
117	Cholinesterase homozygous genotype as susceptible biomarker of hypertriglyceridaemia for pesticide-exposed agricultural workers. *Biomarkers*, **2021**, 26, 335-342	2.6	

116	Genomes of 12 fig wasps provide insights into the adaptation of pollinators to fig syconia. *Journal of Genetics and Genomics*, **2021**, 48, 225-236	4	3
115	Effects of Real-Ambient PM Exposure on Lung Damage Modulated by Nrf2. *Frontiers in Pharmacology*, **2021**, 12, 662664	5.6	2
114	A missense variant in NDUFA6 confers schizophrenia risk by affecting YY1 binding and NAGA expression. *Molecular Psychiatry*, **2021**,	15.1	6
113	Quantification of long-term accumulation of inhaled ultrafine particles via human olfactory-brain pathway due to environmental emissions - a pilot study.. *NanoImpact*, **2021**, 22, 100322	5.6	3
112	Early Detection of SARS-CoV-2 Seroconversion in Humans with Aggregation-Induced Near-Infrared Emission Nanoparticle-Labeled Lateral Flow Immunoassay. *ACS Nano*, **2021**, 15, 8996-9004	16.7	30
111	MiR-939-5p suppresses PM-induced endothelial injury targeting HIF-1□n HAECs. *Nanotoxicology*, **2021**, 15, 706-720	5.3	1
110	Comparative studies on regional variations in PM in the induction of myocardial hypertrophy in mice. *Science of the Total Environment*, **2021**, 775, 145179	10.2	2
109	Atmospheric PM2.5-bound polycyclic aromatic hydrocarbons in China□s four cities: Characterization, risk assessment, and epithelial-to-mesenchymal transition induced by PM2.5. *Atmospheric Pollution Research*, **2021**, 12, 101122	4.5	1
108	Dynamic recovery after acute single fine particulate matter exposure in male mice: Effect on lipid deregulation and cardiovascular alterations. *Journal of Hazardous Materials*, **2021**, 414, 125504	12.8	2
107	Polycyclic aromatic hydrocarbons in particulate matter and serum club cell secretory protein change among schoolchildren: A molecular epidemiology study. *Environmental Research*, **2021**, 192, 110300	7.9	0
106	Nrf2 modulated the restriction of lung function via impairment of intrinsic autophagy upon real-ambient PM exposure. *Journal of Hazardous Materials*, **2021**, 408, 124903	12.8	3
105	A Cretaceous bug with exaggerated antennae might be a double-edged sword in evolution. *IScience* , **2021**, 24, 101932	6.1	0
104	Exposure characterization and risk assessment of ultrafine particles from the blast furnace process in a steelmaking plant. *Journal of Occupational Health*, **2021**, 63, e12257	2.3	0
103	The Role of Nrf2 in the PM-Induced Vascular Injury Under Real Ambient Particulate Matter Exposure in C57/B6 Mice. *Frontiers in Pharmacology*, **2021**, 12, 618023	5.6	2
102	Ambient particulate matter compositions and increased oxidative stress: Exposure-response analysis among high-level exposed population. *Environment International*, **2021**, 147, 106341	12.9	13
101	Oxidative stress- and mitochondrial dysfunction-mediated cytotoxicity by silica nanoparticle in lung epithelial cells from metabolomic perspective. *Chemosphere*, **2021**, 275, 129969	8.4	12
100	Intramedullary Spinal Cord Metastasis Mimicking Astrocytoma: A Rare Case Report. *Brain Sciences*, **2021**, 11,	3.4	0
99	lncRNA TUG1 as a ceRNA promotes PM exposure-induced airway hyper-reactivity. *Journal of Hazardous Materials*, **2021**, 416, 125878	12.8	2

98	Supramolecular Chemotherapy: Noncovalent Bond Synergy of Cucurbit[7]uril against Human Colorectal Tumor Cells. *Langmuir*, **2021**, 37, 9547-9552	4	1
97	Mitochondria damage in ambient particulate matter induced cardiotoxicity: Roles of PPAR alpha/PGC-1 alpha signaling. *Environmental Pollution*, **2021**, 288, 117792	9.3	9
96	Novel FeO@metal-organic framework@polymer core-shell-shell nanospheres for fast extraction and specific preconcentration of nine organophosphorus pesticides from complex matrices. *Food Chemistry*, **2021**, 365, 130485	8.5	10
95	Perturbation of gut microbiota plays an important role in micro/nanoplastics-induced gut barrier dysfunction. *Nanoscale*, **2021**, 13, 8806-8816	7.7	12
94	Role of Chromatin Remodeling Genes and TETs in the Development of Human Midbrain Dopaminergic Neurons. *Stem Cell Reviews and Reports*, **2020**, 16, 718-729	7.3	3
93	The impact of prenatal exposure to PM on childhood asthma and wheezing: a meta-analysis of observational studies. *Environmental Science and Pollution Research*, **2020**, 27, 29280-29290	5.1	12
92	Increased risk of gestational diabetes mellitus in women with higher prepregnancy ambient PM exposure. *Science of the Total Environment*, **2020**, 730, 138982	10.2	9
91	Caloric restriction attenuates C57BL/6 J mouse lung injury and extra-pulmonary toxicity induced by real ambient particulate matter exposure. *Particle and Fibre Toxicology*, **2020**, 17, 22	8.4	10
90	Exposure, assessment and health hazards of particulate matter in metal additive manufacturing: A review. *Chemosphere*, **2020**, 259, 127452	8.4	18
89	Subacute exposure of PM induces airway inflammation through inflammatory cell infiltration and cytokine expression in rats. *Chemosphere*, **2020**, 251, 126423	8.4	5
88	PM-induced inflammation and lipidome alteration associated with the development of atherosclerosis based on a targeted lipidomic analysis. *Environment International*, **2020**, 136, 105444	12.9	25
87	Application of cell-based biological bioassays for health risk assessment of PM2.5 exposure in three megacities, China. *Environment International*, **2020**, 139, 105703	12.9	14
86	Real-Ambient Particulate Matter Exposure-Induced Cardiotoxicity in C57/B6 Mice. *Frontiers in Pharmacology*, **2020**, 11, 199	5.6	11
85	Risk Assessment of Nanoparticle Exposure in a Calcium Carbonate Manufacturing Workshop with Six Control Banding Tools. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 3610-3619	1.3	
84	Activation of NLRP3 in microglia exacerbates diesel exhaust particles-induced impairment in learning and memory in mice. *Environment International*, **2020**, 136, 105487	12.9	16
83	Real-ambient exposure to air pollution exaggerates excessive growth of adipose tissue modulated by Nrf2 signal. *Science of the Total Environment*, **2020**, 730, 138652	10.2	9
82	Manganese modifies Neurotrophin-3 (NT3) and its tropomyosin receptor kinase C (TrkC) in the cortex: Implications for manganese-induced neurotoxicity. *Food and Chemical Toxicology*, **2020**, 135, 110925	4.7	3
81	Antimicrobial Waterborne Polyurethanes Based on Quaternary Ammonium Compounds. *Industrial & Engineering Chemistry Research*, **2020**, 59, 458-463	3.9	12

80	The correlation between PM exposure and hypertensive disorders in pregnancy: A Meta-analysis. *Science of the Total Environment*, **2020**, 703, 134985	10.2	16
79	Near-Infrared Lanthanide-Doped Nanoparticles for a Low Interference Lateral Flow Immunoassay Test. *ACS Applied Materials & Interfaces*, **2020**, 12, 4358-4365	9.5	25
78	Amorphous silica nanoparticles accelerated atherosclerotic lesion progression in ApoE mice through endoplasmic reticulum stress-mediated CD36 up-regulation in macrophage. *Particle and Fibre Toxicology*, **2020**, 17, 50	8.4	18
77	Association between nucleotide excision repair gene polymorphism and colorectal cancer risk. *Journal of Clinical Laboratory Analysis*, **2019**, 33, e22956	3	5
76	Correlation of regional deposition dosage for inhaled nanoparticles in human and rat olfactory. *Particle and Fibre Toxicology*, **2019**, 16, 6	8.4	24
75	Association between polymorphism in the promoter region of lncRNA GAS5 and the risk of colorectal cancer. *Bioscience Reports*, **2019**, 39,	4.1	12
74	Complex to simple: In vitro exposure of particulate matter simulated at the air-liquid interface discloses the health impacts of major air pollutants. *Chemosphere*, **2019**, 223, 263-274	8.4	12
73	Role of Autophagy in Zinc Oxide Nanoparticles-Induced Apoptosis of Mouse LEYDIG Cells. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	33
72	The development of a cell-based model for the assessment of carcinogenic potential upon long-term PM2.5 exposure. *Environment International*, **2019**, 131, 104943	12.9	21
71	MALAT1 rs664589 Polymorphism Inhibits Binding to miR-194-5p, Contributing to Colorectal Cancer Risk, Growth, and Metastasis. *Cancer Research*, **2019**, 79, 5432-5441	10.1	44
70	Wolbachia Infection in Two Species: Novel Views on the Colonization Ability of Wolbachia in Aphids. *Environmental Entomology*, **2019**, 48, 1388-1393	2.1	2
69	Microarray-assisted size-effect study of amorphous silica nanoparticles on human bronchial epithelial cells. *Nanoscale*, **2019**, 11, 22907-22923	7.7	12
68	The first amber caridean shrimp from Mexico reveals the ancient adaptation of the Palaemon to the mangrove estuary environment. *Scientific Reports*, **2019**, 9, 14782	4.9	2
67	Metabolomics analysis explores the rescue to neurobehavioral disorder induced by maternal PM exposure in mice. *Ecotoxicology and Environmental Safety*, **2019**, 169, 687-695	7	19
66	Intelligent testing strategy and analytical techniques for the safety assessment of nanomaterials. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 6051-6066	4.4	33
65	Effect of adjunctive ranitidine for antipsychotic-induced weight gain: A systematic review of randomized placebo-controlled trials. *Journal of International Medical Research*, **2018**, 46, 22-32	1.4	12
64	Carboxymethyl chitosan based nanocomposites containing chemically bonded quantum dots and magnetic nanoparticles. *Applied Surface Science*, **2018**, 433, 188-196	6.7	8
63	Ambient fine particulate matter exposure induces reversible cardiac dysfunction and fibrosis in juvenile and older female mice. *Particle and Fibre Toxicology*, **2018**, 15, 27	8.4	42

62	Experimental and Modeling Studies on the Filtration of SiO Nanoparticles Aerosolized from Different Solvents. *Environmental Science & Technology*, **2018**, 52, 8733-8744	10.3	7
61	A mid-Cretaceous embryonic-to-neonate snake in amber from Myanmar. *Science Advances*, **2018**, 4, eaat5042	11.5	31
60	Hyaluronic acid modified MPEG-b-PAE block copolymer aqueous micelles for efficient ophthalmic drug delivery of hydrophobic genistein. *Drug Delivery*, **2018**, 25, 1258-1265	7	27
59	The training contents, problems and needs of doctors in urban community health service institutions in China. *BMC Family Practice*, **2018**, 19, 182	2.6	5
58	Subthreshold micropulse laser photocoagulation therapy in a case of bilateral retinal astrocytic hamartomas with tuberous sclerosis complex: A case report. *Medicine (United States)*, **2018**, 97, e13265	1.8	6
57	Arginine-Rich Manganese Silicate Nanobubbles as a Ferroptosis-Inducing Agent for Tumor-Targeted Theranostics. *ACS Nano*, **2018**, 12, 12380-12392	16.7	180
56	Independent of EPR Effect: A Smart Delivery Nanosystem for Tracking and Treatment of Nonvascularized Intra-Abdominal Metastases. *Advanced Functional Materials*, **2018**, 28, 1806162	15.6	21
55	Integrated Microfluidic Chip for Efficient Isolation and Deformability Analysis of Circulating Tumor Cells. *Advanced Biology*, **2018**, 2, 1800200	3.5	11
54	Airborne engineered nanomaterials in the workplace-a review of release and worker exposure during nanomaterial production and handling processes. *Journal of Hazardous Materials*, **2017**, 322, 17-28	12.8	84
53	Effect of relative humidity on the deposition and coagulation of aerosolized SiO2 nanoparticles. *Atmospheric Research*, **2017**, 194, 100-108	5.4	18
52	Integrated Microfluidic System for Gene Silencing and Cell Migration. *Advanced Biology*, **2017**, 1, 1700054	3.5	10
51	EF-1DNA Sequences Indicate Multiple Origins of Introduced Populations of Essigella californica (Hemiptera: Aphididae). *Journal of Economic Entomology*, **2017**, 110, 1269-1274	2.2	5
50	Functional tumor imaging based on inorganic nanomaterials. *Science China Chemistry*, **2017**, 60, 1425-1438	7.9	15
49	A combined experimental and numerical study on upper airway dosimetry of inhaled nanoparticles from an electrical discharge machine shop. *Particle and Fibre Toxicology*, **2017**, 14, 24	8.4	14
48	Insect-bacteria parallel evolution in multiple-co-obligate-aphid association: a case in Lachninae (Hemiptera: Aphididae). *Scientific Reports*, **2017**, 7, 10204	4.9	7
47	Design of polyurethane acrylic antimicrobial films via one-step UV curing. *New Journal of Chemistry*, **2017**, 41, 9762-9768	3.6	7
46	Environment, Health and Safety Issues in Nanotechnology. *Springer Handbooks*, **2017**, 1559-1586	1.3	2
45	Biological traits yield divergent phylogeographical patterns between two aphids living on the same host plants. *Journal of Biogeography*, **2017**, 44, 348-360	4.1	7

44	DNA barcoding and species delimitation of Chaitophorinae (Hemiptera, Aphididae). *ZooKeys*, **2017**, 25-50	1.2	11
43	Simulating land use change by integrating landscape metrics into ANN-CA in a new way. *Frontiers of Earth Science*, **2016**, 10, 245-252	1.7	7
42	The destruction box is involved in the degradation of the NTE family proteins by the proteasome. *Molecular Biology Reports*, **2016**, 43, 1285-1292	2.8	2
41	Growth Arrest Specific 2 (GAS2) is a Critical Mediator of Germ Cell Cyst Breakdown and Folliculogenesis in Mice. *Scientific Reports*, **2016**, 6, 34956	4.9	9
40	DNA barcoding reveals a mysterious high species diversity of conifer-feeding aphids in the mountains of southwest China. *Scientific Reports*, **2016**, 6, 20123	4.9	11
39	Silver nanoparticles induced oxidative and endoplasmic reticulum stresses in mouse tissues: implications for the development of acute toxicity after intravenous administration. *Toxicology Research*, **2016**, 5, 602-608	2.6	19
38	Beyond PM2.5: The role of ultrafine particles on adverse health effects of air pollution. *Biochimica Et Biophysica Acta - General Subjects*, **2016**, 1860, 2844-55	4	172
37	An Experimental and Computational Approach to the Development of ZnO Nanoparticles that are Safe by Design. *Small*, **2016**, 12, 3568-77	11	47
36	An aphid lineage maintains a bark-feeding niche while switching to and diversifying on conifers. *Cladistics*, **2016**, 32, 555-572	3.5	29
35	From the Cover: Comparative Numerical Modeling of Inhaled Nanoparticle Deposition in Human and Rat Nasal Cavities. *Toxicological Sciences*, **2016**, 152, 284-96	4.4	27
34	Exposure Scenarios in the Workplace and Risk Assessment of Carbon Nanomaterials **2016**, 515-534		4
33	High-Content Screening for Assessing Nanomaterial Toxicity. *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 1143-9	1.3	15
32	Reducing the cytotoxicity of ZnO nanoparticles by a pre-formed protein corona in a supplemented cell culture medium. *RSC Advances*, **2015**, 5, 73963-73973	3.7	58
31	Parallel Comparative Studies on Mouse Toxicity of Oxide Nanoparticle- and Gadolinium-Based T1 MRI Contrast Agents. *ACS Nano*, **2015**, 9, 12425-35	16.7	121
30	Avoidance and Potential Remedy Solutions of Chimeras in Reconstructing the Phylogeny of Aphids Using the 16S rRNA Gene of Buchnera: A Case in Lachninae (Hemiptera). *International Journal of Molecular Sciences*, **2015**, 16, 20152-67	6.3	4
29	Comprehensive In Vitro Toxicity Testing of a Panel of Representative Oxide Nanomaterials: First Steps towards an Intelligent Testing Strategy. *PLoS ONE*, **2015**, 10, e0127174	3.7	117
28	Airborne Nanoparticle Pollution in a Wire Electrical Discharge Machining Workshop and Potential Health Risks. *Aerosol and Air Quality Research*, **2015**, 15, 284-294	4.6	21
27	Silver nanoparticles activate endoplasmic reticulum stress signaling pathway in cell and mouse models: The role in toxicity evaluation. *Biomaterials*, **2015**, 61, 307-15	15.6	97

26	Evaluation of Nanoparticles Emitted from Printers in a Clean Chamber, a Copy Center and Office Rooms: Health Risks of Indoor Air Quality. *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 9554-64	1.3	14
25	Neuropathy Target Esterase Is Degraded by the Ubiquitin-Proteasome Pathway with ARA54 as the Ubiquitin Ligase. *Biochemistry*, **2015**, 54, 7385-92	3.2	2
24	Subchronic toxicity and cardiovascular responses in spontaneously hypertensive rats after exposure to multiwalled carbon nanotubes by intratracheal instillation. *Chemical Research in Toxicology*, **2015**, 28, 440-50	4	42
23	Health effects of ambient ultrafine (nano) particles in haze. *Chinese Science Bulletin*, **2015**, 60, 2808-2823	2.9	8
22	Filtration of fine particles in atmospheric aerosol with electrospinning nanofibers and its size distribution. *Science China Technological Sciences*, **2014**, 57, 239-243	3.5	11
21	Construction of genetically engineered bacteria that degrades organophosphorus pesticide residues and can be easily detected by the fluorescence. *Environmental Technology (United Kingdom)*, **2014**, 35, 556-61	2.6	5
20	Endoplasmic reticulum stress induced by zinc oxide nanoparticles is an earlier biomarker for nanotoxicological evaluation. *ACS Nano*, **2014**, 8, 2562-74	16.7	185
19	Health workforce equity in urban community health service of China. *PLoS ONE*, **2014**, 9, e115988	3.7	37
18	General practice on-the-job training in Chinese urban community: a qualitative study on needs and challenges. *PLoS ONE*, **2014**, 9, e94301	3.7	22
17	Wide-range particle characterization and elemental concentration in Beijing aerosol during the 2013 Spring Festival. *Environmental Pollution*, **2014**, 192, 204-11	9.3	41
16	Inhibitory effects of multiwall carbon nanotubes with high iron impurity on viability and neuronal differentiation in cultured PC12 cells. *Toxicology*, **2013**, 313, 49-58	4.4	53
15	Short multiwall carbon nanotubes promote neuronal differentiation of PC12 cells via up-regulation of the neurotrophin signaling pathway. *Small*, **2013**, 9, 1786-98	11	43
14	The gnd gene of Buchnera as a new, effective DNA barcode for aphid identification. *Systematic Entomology*, **2013**, 38, 615-625	3.4	16
13	The neurotoxic potential of engineered nanomaterials. *NeuroToxicology*, **2012**, 33, 902-10	4.4	38
12	Differences in selection drive olfactory receptor genes in different directions in dogs and wolf. *Molecular Biology and Evolution*, **2012**, 29, 3475-84	8.3	16
11	The effectiveness of three regions in mitochondrial genome for aphid DNA barcoding: a case in Lachininae. *PLoS ONE*, **2012**, 7, e46190	3.7	31
10	Effect of brain-derived neurotrophic factor on c-jun expression in the rd mouse retina. *International Journal of Ophthalmology*, **2012**, 5, 266-71	1.4	5
9	Nanotoxicity **2012**, 599-620		2

8	Research on the Development of Urban Infrastructure in China Based on Cluster Analysis **2010**,		1
7	Down-regulation of neuropathy target esterase by protein kinase C activation with PMA stimulation. *Molecular and Cellular Biochemistry*, **2007**, 302, 179-85	4.2	10
6	A genetically engineered Escherichia coli, expressing the fusion protein of green fluorescent protein and carboxylesterase B1, can be easily detected in the environment following degradation of pesticide residues. *Biotechnology Letters*, **2007**, 29, 1357-62	3	2
5	G protein beta2 subunit interacts directly with neuropathy target esterase and regulates its activity. *International Journal of Biochemistry and Cell Biology*, **2007**, 39, 124-32	5.6	13
4	Effect of over-expression of neuropathy target esterase on mammalian cell proliferation. *Cell Proliferation*, **2006**, 39, 429-40	7.9	6
3	Reduction of neuropathy target esterase does not affect neuronal differentiation, but moderate expression induces neuronal differentiation in human neuroblastoma (SK-N-SH) cell line. *Molecular Brain Research*, **2005**, 141, 30-8		18
2	Inhibition of neuropathy target esterase expressing by antisense RNA does not affect neural differentiation in human neuroblastoma (SK-N-SH) cell line. *Molecular and Cellular Biochemistry*, **2005**, 272, 47-54	4.2	5
1	Monitoring and assessment of landscape change in the minjiang watershed, the upper reaches of Yangtse River		1