Dayong Wang

List of Publications by Citations

212 papers	6,257 citations	47 h-index	63 g-index
218 ext. papers	6,958 ext. citations	6.4 avg, IF	7.11 L-index

#	Paper	IF	Citations
212	Contributions of altered permeability of intestinal barrier and defecation behavior to toxicity formation from graphene oxide in nematode Caenorhabditis elegans. *Nanoscale*, **2013**, 5, 9934-43	7.7	151
211	Translocation, transfer, and in vivo safety evaluation of engineered nanomaterials in the non-mammalian alternative toxicity assay model of nematode Caenorhabditis elegans. *RSC Advances*, **2013**, 3, 5741	3.7	132
210	Transgenerational toxicity of nanopolystyrene particles in the range of [illegible] L in the nematode Caenorhabditis elegans. *Environmental Science: Nano*, **2017**, 4, 2356-2366	7.1	128
209	Comparison of toxicities from three metal oxide nanoparticles at environmental relevant concentrations in nematode Caenorhabditis elegans. *Chemosphere*, **2013**, 90, 1123-31	8.4	125
208	Using acs-22 mutant Caenorhabditis elegans to detect the toxicity of nanopolystyrene particles. *Science of the Total Environment*, **2018**, 643, 119-126	10.2	106
207	Immune response is required for the control of in vivo translocation and chronic toxicity of graphene oxide. *Nanoscale*, **2014**, 6, 5894-906	7.7	104
206	Combinational effect of titanium dioxide nanoparticles and nanopolystyrene particles at environmentally relevant concentrations on nematode Caenorhabditis elegans. *Ecotoxicology and Environmental Safety*, **2018**, 161, 444-450	7	100
205	Identification of signaling cascade in the insulin signaling pathway in response to nanopolystyrene particles. *Nanotoxicology*, **2019**, 13, 174-188	5.3	93
204	Carboxylic acid functionalization prevents the translocation of multi-walled carbon nanotubes at predicted environmentally relevant concentrations into targeted organs of nematode Caenorhabditis elegans. *Nanoscale*, **2013**, 5, 6088-96	7.7	87
203	An epigenetic signal encoded protection mechanism is activated by graphene oxide to inhibit its induced reproductive toxicity in Caenorhabditis elegans. *Biomaterials*, **2016**, 79, 15-24	15.6	87
202	Assessment of locomotion behavioral defects induced by acute toxicity from heavy metal exposure in nematode Caenorhabditis elegans. *Journal of Environmental Sciences*, **2008**, 20, 1132-7	6.4	83
201	Amino modification enhances reproductive toxicity of nanopolystyrene on gonad development and reproductive capacity in nematode Caenorhabditis elegans. *Environmental Pollution*, **2019**, 254, 112978	9.3	81
200	Nanotoxicology in Caenorhabditis elegans **2018**,		76
199	Response of microRNAs to in vitro treatment with graphene oxide. *ACS Nano*, **2014**, 8, 2100-10	16.7	75
198	Biosafety assessment of titanium dioxide nanoparticles in acutely exposed nematode Caenorhabditis elegans with mutations of genes required for oxidative stress or stress response. *Chemosphere*, **2013**, 93, 2289-96	8.4	73
197	Genome-wide identification and functional analysis of long noncoding RNAs involved in the response to graphene oxide. *Biomaterials*, **2016**, 102, 277-91	15.6	71
196	Susceptible genes regulate the adverse effects of TiO2-NPs at predicted environmental relevant concentrations on nematode Caenorhabditis elegans. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2014**, 10, 1263-71	6	71

195	Crucial role of the biological barrier at the primary targeted organs in controlling the translocation and toxicity of multi-walled carbon nanotubes in the nematode Caenorhabditis elegans. *Nanoscale*, **2013**, 5, 11166-78	7.7	70
194	Molecular signals regulating translocation and toxicity of graphene oxide in the nematode Caenorhabditis elegans. *Nanoscale*, **2014**, 6, 11204-12	7.7	68
193	Antimicrobial proteins in the response to graphene oxide in Caenorhabditis elegans. *Nanotoxicology*, **2017**, 11, 578-590	5.3	67
192	Neuronal damage induced by nanopolystyrene particles in nematode Caenorhabditis elegans. *Environmental Science: Nano*, **2019**, 6, 2591-2601	7.1	66
191	microRNAs control of in vivo toxicity from graphene oxide in Caenorhabditis elegans. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2014**, 10, 1401-10	6	66
190	p38 MAPK-SKN-1/Nrf signaling cascade is required for intestinal barrier against graphene oxide toxicity in Caenorhabditis elegans. *Nanotoxicology*, **2016**, 10, 1469-1479	5.3	64
189	Toxicity comparison between pristine and sulfonate modified nanopolystyrene particles in affecting locomotion behavior, sensory perception, and neuronal development in Caenorhabditis elegans. *Science of the Total Environment*, **2020**, 703, 134817	10.2	64
188	Activation of p38 MAPK Signaling-Mediated Endoplasmic Reticulum Unfolded Protein Response by Nanopolystyrene Particles. *Advanced Biology*, **2019**, 3, e1800325	3.5	63
187	Di (2-ethylhexyl) phthalate-induced reproductive toxicity involved in dna damage-dependent oocyte apoptosis and oxidative stress in Caenorhabditis elegans. *Ecotoxicology and Environmental Safety*, **2018**, 163, 298-306	7	59
186	In vivo translocation and toxicity of multi-walled carbon nanotubes are regulated by microRNAs. *Nanoscale*, **2014**, 6, 4275-84	7.7	59
185	The phenotypic and behavioral defects can be transferred from zinc-exposed nematodes to their progeny. *Environmental Toxicology and Pharmacology*, **2007**, 24, 223-30	5.8	57
184	Transmissions of serotonin, dopamine, and glutamate are required for the formation of neurotoxicity from Al2O3-NPs in nematode Caenorhabditis elegans. *Nanotoxicology*, **2013**, 7, 1004-13	5.3	56
183	Nanopolystyrene-induced microRNAs response in Caenorhabditis elegans after long-term and lose-dose exposure. *Science of the Total Environment*, **2019**, 697, 134131	10.2	55
182	Contribution of heavy metals to toxicity of coal combustion related fine particulate matter (PM2.5) in Caenorhabditis elegans with wild-type or susceptible genetic background. *Chemosphere*, **2016**, 144, 2392-400	8.4	55
181	Developmental basis for intestinal barrier against the toxicity of graphene oxide. *Particle and Fibre Toxicology*, **2018**, 15, 26	8.4	55
180	Nanopolystyrene at predicted environmental concentration enhances microcystin-LR toxicity by inducing intestinal damage in Caenorhabditis elegans. *Ecotoxicology and Environmental Safety*, **2019**, 183, 109568	7	54
179	Regulation of the Response of Caenorhabditis elegans to Simulated Microgravity by p38 Mitogen-Activated Protein Kinase Signaling. *Scientific Reports*, **2018**, 8, 857	4.9	54
178	Identification of long non-coding RNAs in response to nanopolystyrene in Caenorhabditis elegans after long-term and low-dose exposure. *Environmental Pollution*, **2019**, 255, 113137	9.3	53

177	Transgenerational safety of nitrogen-doped graphene quantum dots and the underlying cellular mechanism in Caenorhabditis elegans. *Toxicology Research*, **2015**, 4, 270-280	2.6	52
176	Lipid metabolic response to polystyrene particles in nematode Caenorhabditis elegans. *Environmental Pollution*, **2020**, 256, 113439	9.3	52
175	Neuronal ERK signaling in response to graphene oxide in nematode Caenorhabditis elegans. *Nanotoxicology*, **2017**, 11, 520-533	5.3	51
174	Toxicity comparison of nanopolystyrene with three metal oxide nanoparticles in nematode Caenorhabditis elegans. *Chemosphere*, **2020**, 245, 125625	8.4	51
173	Response of intestinal signaling communication between the nucleus and peroxisome to nanopolystyrene at a predicted environmental concentration. *Environmental Science: Nano*, **2020**, 7, 250-261	7.1	51
172	Molecular basis for oxidative stress induced by simulated microgravity in nematode Caenorhabditis elegans. *Science of the Total Environment*, **2017**, 607-608, 1381-1390	10.2	50
171	Potential toxicity of nanopolystyrene on lifespan and aging process of nematode Caenorhabditis elegans. *Science of the Total Environment*, **2020**, 705, 135918	10.2	49
170	NPR-9 regulates the innate immune response in Caenorhabditis elegans by antagonizing the activity of AIB interneurons. *Cellular and Molecular Immunology*, **2018**, 15, 27-37	15.4	48
169	Transgenerational effects of traffic-related fine particulate matter (PM□)on nematode Caenorhabditis elegans. *Journal of Hazardous Materials*, **2014**, 274, 106-14	12.8	48
168	Long-term and low-dose exposure to nanopolystyrene induces a protective strategy to maintain functional state of intestine barrier in nematode Caenorhabditis elegans. *Environmental Pollution*, **2020**, 258, 113649	9.3	48
167	Neuronal ERK MAPK signaling in response to low-dose nanopolystyrene exposure by suppressing insulin peptide expression in Caenorhabditis elegans. *Science of the Total Environment*, **2020**, 724, 138378	10.2	47
166	Intestinal Insulin Signaling Encodes Two Different Molecular Mechanisms for the Shortened Longevity Induced by Graphene Oxide in Caenorhabditis elegans. *Scientific Reports*, **2016**, 6, 24024	4.9	47
165	Lactic Acid Bacteria Protects Caenorhabditis elegans from Toxicity of Graphene Oxide by Maintaining Normal Intestinal Permeability under different Genetic Backgrounds. *Scientific Reports*, **2015**, 5, 17233	4.9	47
164	Molecular Control of Innate Immune Response to Pseudomonas aeruginosa Infection by Intestinal let-7 in Caenorhabditis elegans. *PLoS Pathogens*, **2017**, 13, e1006152	7.6	47
163	Adverse effects of coal combustion related fine particulate matter (PM2.5) on nematode Caenorhabditis elegans. *Science of the Total Environment*, **2015**, 512-513, 251-260	10.2	46
162	Multi-walled carbon nanotubes-induced alterations in microRNA let-7 and its targets activate a protection mechanism by conferring a developmental timing control. *Particle and Fibre Toxicology*, **2017**, 14, 27	8.4	45
161	ACS-22, a protein homologous to mammalian fatty acid transport protein 4, is essential for the control of the toxicity and translocation of multi-walled carbon nanotubes in Caenorhabditis elegans. *RSC Advances*, **2016**, 6, 4151-4159	3.7	45
160	Exposure to low-dose nanopolystyrene induces the response of neuronal JNK MAPK signaling pathway in nematode Caenorhabditis elegans. *Environmental Sciences Europe*, **2020**, 32,	5	45

159	Function of RSKS-1-AAK-2-DAF-16 signaling cascade in enhancing toxicity of multi-walled carbon nanotubes can be suppressed by mir-259 activation in Caenorhabditis elegans. *Scientific Reports*, **2016**, 6, 32409	4.9	45
158	Nanopolystyrene exposure activates a fat metabolism related signaling-mediated protective response in Caenorhabditis elegans. *NanoImpact*, **2020**, 17, 100204	5.6	44
157	Molecular Toxicology in Caenorhabditis elegans **2019**,		43
156	Quantum dots increased fat storage in intestine of Caenorhabditis elegans by influencing molecular basis for fatty acid metabolism. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2016**, 12, 1175-84	6	43
155	Quantum dots exposure alters both development and function of D-type GABAergic motor neurons in nematode Caenorhabditis elegans. *Toxicology Research*, **2015**, 4, 399-408	2.6	42
154	A MicroRNA-Mediated Insulin Signaling Pathway Regulates the Toxicity of Multi-Walled Carbon Nanotubes in Nematode Caenorhabditis elegans. *Scientific Reports*, **2016**, 6, 23234	4.9	42
153	Graphene oxide induces canonical Wnt/β-catenin signaling-dependent toxicity in Caenorhabditis elegans. *Carbon*, **2017**, 113, 122-131	10.4	42
152	Biological effects, translocation, and metabolism of quantum dots in the nematode. *Toxicology Research*, **2016**, 5, 1003-1011	2.6	42
151	Effect of chronic exposure to nanopolystyrene on nematode Caenorhabditis elegans. *Chemosphere*, **2020**, 256, 127172	8.4	41
150	Multi-walled carbon nanotubes enhanced fungal colonization and suppressed innate immune response to fungal infection in nematodes. *Toxicology Research*, **2016**, 5, 492-499	2.6	41
149	Toxicity induction of nanopolystyrene under microgravity stress condition in Caenorhabditis elegans. *Science of the Total Environment*, **2020**, 703, 135623	10.2	41
148	microRNAs Involved in the Control of Innate Immunity in Candida Infected Caenorhabditis elegans. *Scientific Reports*, **2016**, 6, 36036	4.9	40
147	Exposure to MPA-capped CdTe quantum dots causes reproductive toxicity effects by affecting oogenesis in nematode Caenorhabditis elegans. *Ecotoxicology and Environmental Safety*, **2019**, 173, 54-62	7	39
146	Intestine-specific activity of insulin signaling pathway in response to microgravity stress in Caenorhabditis elegans. *Biochemical and Biophysical Research Communications*, **2019**, 517, 278-284	3.4	39
145	Crucial role of intestinal barrier in the formation of transgenerational toxicity in quantum dot exposed nematodes Caenorhabditis elegans. *RSC Advances*, **2015**, 5, 94257-94266	3.7	39
144	Adverse effects from clenbuterol and ractopamine on nematode Caenorhabditis elegans and the underlying mechanism. *PLoS ONE*, **2014**, 9, e85482	3.7	39
143	A microRNAs–mRNAs network involved in the control of graphene oxide toxicity in Caenorhabditis elegans. *RSC Advances*, **2015**, 5, 92394-92405	3.7	38
142	Genetic Screen Reveals Link between the Maternal Effect Sterile Gene mes-1 and Pseudomonas aeruginosa-induced Neurodegeneration in Caenorhabditis elegans. *Journal of Biological Chemistry*, **2015**, 290, 29231-9	5.4	38

141	Arsenite-induced transgenerational glycometabolism is associated with up-regulation of H3K4me2 via inhibiting spr-5 in caenorhabditis elegans. *Toxicology Letters*, **2020**, 326, 11-17	4.4	38
140	mir-355 Functions as An Important Link between p38 MAPK Signaling and Insulin Signaling in the Regulation of Innate Immunity. *Scientific Reports*, **2017**, 7, 14560	4.9	38
139	Wnt Ligands Differentially Regulate Toxicity and Translocation of Graphene Oxide through Different Mechanisms in Caenorhabditis elegans. *Scientific Reports*, **2016**, 6, 39261	4.9	38
138	Long-term exposure to thiolated graphene oxide in the range of g/L induces toxicity in nematode Caenorhabditis elegans. *Science of the Total Environment*, **2018**, 616-617, 29-37	10.2	38
137	Graphene Oxide Dysregulates Neuroligin/NLG-1-Mediated Molecular Signaling in Interneurons in Caenorhabditis elegans. *Scientific Reports*, **2017**, 7, 41655	4.9	37
136	A mir-231-Regulated Protection Mechanism against the Toxicity of Graphene Oxide in Nematode Caenorhabditis elegans. *Scientific Reports*, **2016**, 6, 32214	4.9	37
135	Beneficial effects of Glycyrrhizae radix extract in preventing oxidative damage and extending the lifespan of Caenorhabditis elegans. *Journal of Ethnopharmacology*, **2016**, 177, 101-10	5	37
134	Prolonged exposure to multi-walled carbon nanotubes dysregulates intestinal mir-35 and its direct target MAB-3 in nematode Caenorhabditis elegans. *Scientific Reports*, **2019**, 9, 12144	4.9	37
133	Mitochondrial Unfolded Protein Response to Microgravity Stress in Nematode Caenorhabditis elegans. *Scientific Reports*, **2019**, 9, 16474	4.9	37
132	Full toxicity assessment of Genkwa Flos and the underlying mechanism in nematode Caenorhabditis elegans. *PLoS ONE*, **2014**, 9, e91825	3.7	37
131	Identification of interneurons required for the aversive response of Caenorhabditis elegans to graphene oxide. *Journal of Nanobiotechnology*, **2018**, 16, 45	9.4	36
130	Response of canonical Wnt/catenin signaling pathway in the intestine to microgravity stress in Caenorhabditis elegans. *Ecotoxicology and Environmental Safety*, **2019**, 186, 109782	7	36
129	Graphene oxide disrupts the protein-protein interaction between Neuroligin/NLG-1 and DLG-1 or MAGI-1 in nematode Caenorhabditis elegans. *Science of the Total Environment*, **2020**, 700, 134492	10.2	35
128	Coal combustion related fine particulate matter (PM) induces toxicity in by dysregulating microRNA expression. *Toxicology Research*, **2017**, 6, 432-441	2.6	34
127	Vitamin E ameliorates neurodegeneration related phenotypes caused by neurotoxicity of Al2O3-nanoparticles in C. elegans. *Toxicology Research*, **2015**, 4, 1269-1281	2.6	33
126	Toxicity evaluation and translocation of carboxyl functionalized graphene in Caenorhabditis elegans. *Toxicology Research*, **2015**, 4, 1498-1510	2.6	33
125	Functional disruption in epidermal barrier enhances toxicity and accumulation of graphene oxide. *Ecotoxicology and Environmental Safety*, **2018**, 163, 456-464	7	33
124	Damage on functional state of intestinal barrier by microgravity stress in nematode Caenorhabditis elegans. *Ecotoxicology and Environmental Safety*, **2019**, 183, 109554	7	33

123	Toxicity evaluation of Wanzhou watershed of Yangtze Three Gorges Reservior in the flood season in Caenorhabditis elegans. *Scientific Reports*, **2018**, 8, 6734	4.9	32
122	Glycyrrhizic acid, active component from Glycyrrhizae radix, prevents toxicity of graphene oxide by influencing functions of microRNAs in nematode Caenorhabditis elegans. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2016**, 12, 735-744	6	32
121	Comparison of transgenerational reproductive toxicity induced by pristine and amino modified nanoplastics in Caenorhabditis elegans. *Science of the Total Environment*, **2021**, 768, 144362	10.2	32
120	Deficit in the epidermal barrier induces toxicity and translocation of PEG modified graphene oxide in nematodes. *Toxicology Research*, **2018**, 7, 1061-1070	2.6	31
119	Insulin signaling regulates the toxicity of traffic-related PM2.5 on intestinal development and function in nematode Caenorhabditis elegans. *Toxicology Research*, **2015**, 4, 333-343	2.6	31
118	Formation of a combined Ca/Cd toxicity on lifespan of nematode Caenorhabditis elegans. *Ecotoxicology and Environmental Safety*, **2010**, 73, 1221-30	7	31
117	Molecular basis of intestinal canonical Wnt/β-catenin BAR-1 in response to simulated microgravity in Caenorhabditis elegans. *Biochemical and Biophysical Research Communications*, **2020**, 522, 198-204	3.4	31
116	FLP-4 neuropeptide and its receptor in a neuronal circuit regulate preference choice through functions of ASH-2 trithorax complex in Caenorhabditis elegans. *Scientific Reports*, **2016**, 6, 21485	4.9	31
115	Potential of esterase DmtH in transforming plastic additive dimethyl terephthalate to less toxic mono-methyl terephthalate. *Ecotoxicology and Environmental Safety*, **2020**, 187, 109848	7	31
114	Value of mir-247 in warning of graphene oxide toxicity in nematode Caenorhabditis elegans. *RSC Advances*, **2017**, 7, 52694-52701	3.7	30
113	Metallothioneins act downstream of insulin signaling to regulate toxicity of outdoor fine particulate matter (PM) during Spring Festival in Beijing in nematode. *Toxicology Research*, **2016**, 5, 1097-1105	2.6	29
112	Dysregulation of let-7 by PEG modified graphene oxide in nematodes with deficit in epidermal barrier. *Ecotoxicology and Environmental Safety*, **2019**, 169, 1-7	7	29
111	Toxicity of Graphene Oxide in Nematodes with a Deficit in the Epidermal Barrier Caused by RNA Interference Knockdown of unc-52. *Environmental Science and Technology Letters*, **2018**, 5, 622-628	11	29
110	A circular RNA in response to graphene oxide in nematodes.. *RSC Advances*, **2019**, 9, 13722-13735	3.7	28
109	Pretreatment with paeonol prevents the adverse effects and alters the translocation of multi-walled carbon nanotubes in nematode Caenorhabditis elegans. *RSC Advances*, **2015**, 5, 8942-8951	3.7	28
108	Regulation of response to nanopolystyrene by intestinal microRNA mir-35 in nematode Caenorhabditis elegans. *Science of the Total Environment*, **2020**, 736, 139677	10.2	28
107	Intestinal mir-794 responds to nanopolystyrene by linking insulin and p38 MAPK signaling pathways in nematode Caenorhabditis elegans. *Ecotoxicology and Environmental Safety*, **2020**, 201, 110857	7	28
106	Induction of chemotaxis to sodium chloride and diacetyl and thermotaxis defects by microcystin-LR exposure in nematode Caenorhabditis elegans. *Journal of Environmental Sciences*, **2009**, 21, 971-9	6.4	28

105	Dysregulated mir-354 enhanced the protective response to nanopolystyrene by affecting the activity of TGF-β signaling pathway in nematode Caenorhabditis elegans. *NanoImpact*, **2020**, 20, 100256	5.6	27
104	Effect of graphene oxide exposure on intestinal Wnt signaling in nematode Caenorhabditis elegans. *Journal of Environmental Sciences*, **2020**, 88, 200-208	6.4	27
103	Assessment of nanopolystyrene toxicity under fungal infection condition in Caenorhabditis elegans. *Ecotoxicology and Environmental Safety*, **2020**, 197, 110625	7	27
102	Dysregulation of Neuronal Gβ Signaling by Graphene Oxide in Nematode Caenorhabditis elegans. *Scientific Reports*, **2019**, 9, 6026	4.9	26
101	Methods for creating mutations in C. elegans that extend lifespan. *Methods in Molecular Biology*, **2013**, 1048, 65-75	1.4	26
100	Epigenetic response to nanopolystyrene in germline of nematode Caenorhabditis elegans. *Ecotoxicology and Environmental Safety*, **2020**, 206, 111404	7	26
99	Induction of protective response to polystyrene nanoparticles associated with dysregulation of intestinal long non-coding RNAs in Caenorhabditis elegans. *Ecotoxicology and Environmental Safety*, **2021**, 212, 111976	7	26
98	Response of intestinal Gβ subunits to nanopolystyrene in nematode Caenorhabditis elegans. *Environmental Science: Nano*, **2020**, 7, 2351-2359	7.1	25
97	Inhibition of ROS elevation and damage to mitochondrial function prevents lead-induced neurotoxic effects on structures and functions of AFD neurons in Caenorhabditis elegans. *Journal of Environmental Sciences*, **2012**, 24, 733-42	6.4	25
96	Overexpression of heme oxygenase 1 causes cognitive decline and affects pathways for tauopathy in mice. *Journal of Alzheimer's Disease*, **2015**, 43, 519-34	4.3	25
95	Dopamine receptors antagonistically regulate behavioral choice between conflicting alternatives in C. elegans. *PLoS ONE*, **2014**, 9, e115985	3.7	25
94	Lipid metabolic sensors of MDT-15 and SBP-1 regulated the response to simulated microgravity in the intestine of Caenorhabditis elegans. *Biochemical and Biophysical Research Communications*, **2020**, 528, 28-34	3.4	25
93	Acetylation regulation associated with the induction of protective response to polystyrene nanoparticles in Caenorhabditis elegans. *Journal of Hazardous Materials*, **2021**, 411, 125035	12.8	25
92	Intestinal mitochondrial unfolded protein response induced by nanoplastic particles in Caenorhabditis elegans. *Chemosphere*, **2021**, 267, 128917	8.4	25
91	Biosafety assessment of water samples from Wanzhou watershed of Yangtze Three Gorges Reservior in the quiet season in Caenorhabditis elegans. *Scientific Reports*, **2018**, 8, 14102	4.9	25
90	Induction of protective response to polystyrene nanoparticles associated with methylation regulation in Caenorhabditis elegans. *Chemosphere*, **2021**, 271, 129589	8.4	24
89	Adverse effects of metal exposure on chemotaxis towards water-soluble attractants regulated mainly by ASE sensory neuron in nematode Caenorhabditis elegans. *Journal of Environmental Sciences*, **2009**, 21, 1684-94	6.4	23
88	High concentration of vitamin E decreases thermosensation and thermotaxis learning and the underlying mechanisms in the nematode Caenorhabditis elegans. *PLoS ONE*, **2013**, 8, e71180	3.7	23

87	microRNAs involved in the control of toxicity on locomotion behavior induced by simulated microgravity stress in Caenorhabditis elegans. *Scientific Reports*, **2020**, 10, 17510	4.9	23
86	Intestinal long non-coding RNAs in response to simulated microgravity stress in Caenorhabditis elegans. *Scientific Reports*, **2021**, 11, 1997	4.9	23
85	Alteration in expressions of ion channels in Caenorhabditis elegans exposed to polystyrene nanoparticles. *Chemosphere*, **2021**, 273, 129686	8.4	21
84	Multigenerational effects of polyethylene terephthalate microfibers in Caenorhabditis elegans. *Environmental Research*, **2021**, 193, 110569	7.9	21
83	Induction of Protective Response Associated with Expressional Alterations in Neuronal G Protein-Coupled Receptors in Polystyrene Nanoparticle Exposed. *Chemical Research in Toxicology*, **2021**, 34, 1308-1318	4	20
82	Dysregulated mir-76 mediated a protective response to nanopolystyrene by modulating heme homeostasis related molecular signaling in nematode Caenorhabditis elegans. *Ecotoxicology and Environmental Safety*, **2021**, 212, 112018	7	20
81	Response of DBL-1/TGF- signaling-mediated neuron-intestine communication to nanopolystyrene in nematode Caenorhabditis elegans. *Science of the Total Environment*, **2020**, 745, 141047	10.2	19
80	Notch receptor GLP-1 regulates toxicity of simulated microgravity stress by activating germline-intestine communication of insulin signaling in C. elegans. *Biochemical and Biophysical Research Communications*, **2021**, 534, 248-253	3.4	19
79	Response of G protein-coupled receptor CED-1 in germline to polystyrene nanoparticles in Caenorhabditis elegans. *Nanoscale Advances*, **2021**, 3, 1997-2006	5.1	19
78	Exposure Toxicology in Caenorhabditis elegans **2020**,		16
77	Dysregulation of G protein-coupled receptors in the intestine by nanoplastic exposure in Caenorhabditis elegans. *Environmental Science: Nano*, **2021**, 8, 1019-1028	7.1	16
76	Size-dependent transgenerational toxicity induced by nanoplastics in nematode Caenorhabditis elegans. *Science of the Total Environment*, **2021**, 790, 148217	10.2	12
75	Response of tyramine and glutamate related signals to nanoplastic exposure in Caenorhabditis elegans. *Ecotoxicology and Environmental Safety*, **2021**, 217, 112239	7	11
74	Target Organ Toxicology in Caenorhabditis elegans **2019**,		6
73	Male reproductive toxicity involved in spermatogenesis induced by perfluorooctane sulfonate and perfluorooctanoic acid in Caenorhabditis elegans. *Environmental Science and Pollution Research*, **2021**, 28, 1443-1453	5.1	6
72	Neuronal G subunits required for the control of response to polystyrene nanoparticles in the range of g/L in C. elegans. *Ecotoxicology and Environmental Safety*, **2021**, 225, 112732	7	4
71	Sensory Disturbance by Six Insecticides in the Range of g/L in Caenorhabditis elegans. *Frontiers in Environmental Science*, **2022**, 10,	4.8	3
70	Increase in germline methyltransferases governing the methylation of histone H3K9 is associated with transgenerational nanoplastic toxicity in Caenorhabditis elegans. *Environmental Science: Nano*, **2022**, 9, 265-274	7.1	2

69	Epidermal Barrier for Nematodes Against Toxicity of Environmental Toxicants or Stresses **2019**, 97-122		2
68	Confirmation of Nanomaterials with Low-Toxicity or Non-toxicity Property **2018**, 205-226		2
67	Long-term exposure to polystyrene nanoparticles causes transgenerational toxicity by affecting the function and expression of MEV-1 and DAF-2 signals in Caenorhabditis elegans.. *NanoImpact*, **2022**, 26, 100403	5.6	2
66	Multi-walled carbon nanotubes induce transgenerational toxicity associated with activation of germline long non-coding RNA linc-7 in C.elegans.. *Chemosphere*, **2022**, 134687	8.4	2
65	Avoidance Behavior of Nematodes to Environmental Toxicants or Stresses **2019**, 27-69		1
64	The Toxicity of (Nano)Microplastics on C. elegans and Its Mechanisms. *Handbook of Environmental Chemistry*, **2020**, 259-278	0.8	1
63	Phosphorothioate-DNA bacterial diet reduces the ROS levels in C. elegans while improving locomotion and longevity. *Communications Biology*, **2021**, 4, 1335	6.7	1
62	Molecular Basis for Adaptive Response to Environmental Toxicants or Stresses **2019**, 411-428		1
61	Reproductive Toxicity Induction in Nematodes Exposed to Environmental Toxicants or Stresses **2019**, 197-222		1
60	Values of C. elegans in Toxicological Study **2018**, 1-10		1
59	Critical review of environmental impacts of microfibers in different environmental matrices. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2022**, 251, 109196	3.2	1
58	spp. and emissions from humans and animals in the Three Gorges Reservoir in Chongqing, China. *PeerJ*, **2020**, 8, e9985	3.1	0
57	Biosafety assessment of Acinetobacter strains isolated from the Three Gorges Reservoir region in nematode Caenorhabditis elegans. *Scientific Reports*, **2021**, 11, 19721	4.9	0
56	Family trio-based sequencing in 404 sporadic bilateral hearing loss patients discovers recessive and De novo genetic variants in multiple ways. *European Journal of Medical Genetics*, **2021**, 64, 104311	2.6	0
55	Discussion on Specificity of Molecular Signals in Response to Certain Environmental Toxicants or Stresses **2019**, 327-349		
54	Strategies to Screen and to Identify New Genetic Loci Involved in the Regulation of Toxicity of Environmental Toxicants or Stresses **2019**, 391-409		
53	Functions of MAPK Signaling Pathways in the Regulation of Toxicity of Environmental Toxicants or Stresses **2019**, 89-115		
52	Functions of Cell Death and DNA Damage-Related Signaling Pathways in the Regulation of Toxicity of Environmental Toxicants or Stresses **2019**, 181-201		

51 Functions of Metabolism-Related Signaling Pathways in the Regulation of Toxicity of Environmental Toxicants or Stresses **2019**, 203-229

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