

# Dayong Wang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Response of MAPK Signaling Pathways to Toxicants at Environmentally Relevant Concentrations <b>2022</b> , 63-87		
211	Response of Neurotransmission-Related Molecular Signals to Toxicants at Environmentally Relevant Concentrations <b>2022</b> , 185-205		
210	Response of Insulin Signaling Pathway to Toxicants at Environmentally Relevant Concentrations <b>2022</b> , 47-62		
209	Response of Oxidative Stress-Related Molecular Signals to Toxicants at Environmentally Relevant <b>2022</b> , 33-46		
208	Molecular Networks in Different Tissues in Response to Toxicants at Environmentally Relevant <b>2022</b> , 329-358		
207	Response of Protective Response-Related Signaling Pathways to Toxicants at Environmentally Relevant Concentrations <b>2022</b> , 159-184		
206	Response of Metabolism-Related Signaling Pathways to Toxicants at Environmentally Relevant Concentrations <b>2022</b> , 133-157		
205	Increase in germline methyltransferases governing the methylation of histone H3K9 is associated with transgenerational nanoplastic toxicity in <i>Caenorhabditis elegans</i> . <i>Environmental Science: Nano</i> , <b>2022</b> , 9, 265-274	7.1	2
204	Epigenetic Control of Response to Toxicants at Environmentally Relevant Concentrations <b>2022</b> , 263-328		
203	Toxicity Induction of Toxicants at Environmentally Relevant Concentrations <b>2022</b> , 1-31		
202	Response of Development-Related Signaling Pathways to Toxicants at Environmentally Relevant Concentrations <b>2022</b> , 89-132		
201	Response of G Protein-Coupled Receptors and Ion Channels to Toxicants at Environmentally Relevant Concentrations <b>2022</b> , 207-261		
200	Critical review of environmental impacts of microfibers in different environmental matrices. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2022</b> , 251, 109196	3.2	1
199	Sensory Disturbance by Six Insecticides in the Range of $\mu$ L in <i>Caenorhabditis elegans</i> . <i>Frontiers in Environmental Science</i> , <b>2022</b> , 10,	4.8	3
198	Long-term exposure to polystyrene nanoparticles causes transgenerational toxicity by affecting the function and expression of MEV-1 and DAF-2 signals in <i>Caenorhabditis elegans</i> .. <i>NanoImpact</i> , <b>2022</b> , 26, 100403	5.6	2
197	Multi-walled carbon nanotubes induce transgenerational toxicity associated with activation of germline long non-coding RNA linc-7 in <i>C.elegans</i> .. <i>Chemosphere</i> , <b>2022</b> , 134687	8.4	2
196	Phosphorothioate-DNA bacterial diet reduces the ROS levels in <i>C. elegans</i> while improving locomotion and longevity. <i>Communications Biology</i> , <b>2021</b> , 4, 1335	6.7	1

195	Biosafety assessment of Acinetobacter strains isolated from the Three Gorges Reservoir region in nematode Caenorhabditis elegans. <i>Scientific Reports</i> , <b>2021</b> , 11, 19721	4.9	0
194	Induction of Protective Response Associated with Expressional Alterations in Neuronal G Protein-Coupled Receptors in Polystyrene Nanoparticle Exposed. <i>Chemical Research in Toxicology</i> , <b>2021</b> , 34, 1308-1318	4	20
193	Induction of protective response to polystyrene nanoparticles associated with dysregulation of intestinal long non-coding RNAs in Caenorhabditis elegans. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 212, 111976	7	26
192	Dysregulated mir-76 mediated a protective response to nanopolystyrene by modulating heme homeostasis related molecular signaling in nematode Caenorhabditis elegans. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 212, 112018	7	20
191	Induction of protective response to polystyrene nanoparticles associated with methylation regulation in Caenorhabditis elegans. <i>Chemosphere</i> , <b>2021</b> , 271, 129589	8.4	24
190	Comparison of transgenerational reproductive toxicity induced by pristine and amino modified nanoplastics in Caenorhabditis elegans. <i>Science of the Total Environment</i> , <b>2021</b> , 768, 144362	10.2	32
189	Alteration in expressions of ion channels in Caenorhabditis elegans exposed to polystyrene nanoparticles. <i>Chemosphere</i> , <b>2021</b> , 273, 129686	8.4	21
188	Acetylation regulation associated with the induction of protective response to polystyrene nanoparticles in Caenorhabditis elegans. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 411, 125035	12.8	25
187	Notch receptor GLP-1 regulates toxicity of simulated microgravity stress by activating germline-intestine communication of insulin signaling in C. elegans. <i>Biochemical and Biophysical Research Communications</i> , <b>2021</b> , 534, 248-253	3.4	19
186	Multigenerational effects of polyethylene terephthalate microfibers in Caenorhabditis elegans. <i>Environmental Research</i> , <b>2021</b> , 193, 110569	7.9	21
185	Intestinal mitochondrial unfolded protein response induced by nanoplastic particles in Caenorhabditis elegans. <i>Chemosphere</i> , <b>2021</b> , 267, 128917	8.4	25
184	Male reproductive toxicity involved in spermatogenesis induced by perfluorooctane sulfonate and perfluorooctanoic acid in Caenorhabditis elegans. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 1443-1453	5.1	6
183	Intestinal long non-coding RNAs in response to simulated microgravity stress in Caenorhabditis elegans. <i>Scientific Reports</i> , <b>2021</b> , 11, 1997	4.9	23
182	Response of tyramine and glutamate related signals to nanoplastic exposure in Caenorhabditis elegans. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 217, 112239	7	11
181	Size-dependent transgenerational toxicity induced by nanoplastics in nematode Caenorhabditis elegans. <i>Science of the Total Environment</i> , <b>2021</b> , 790, 148217	10.2	12
180	Family trio-based sequencing in 404 sporadic bilateral hearing loss patients discovers recessive and De novo genetic variants in multiple ways. <i>European Journal of Medical Genetics</i> , <b>2021</b> , 64, 104311	2.6	0
179	Neuronal G subunits required for the control of response to polystyrene nanoparticles in the range of $\mu$ /L in C. elegans. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 225, 112732	7	4
178	Dysregulation of G protein-coupled receptors in the intestine by nanoplastic exposure in Caenorhabditis elegans. <i>Environmental Science: Nano</i> , <b>2021</b> , 8, 1019-1028	7.1	16

177	Response of G protein-coupled receptor CED-1 in germline to polystyrene nanoparticles in <i>Caenorhabditis elegans</i> . <i>Nanoscale Advances</i> , <b>2021</b> , 3, 1997-2006	5.1	19
176	Regulation of response to nanopolystyrene by intestinal microRNA mir-35 in nematode <i>Caenorhabditis elegans</i> . <i>Science of the Total Environment</i> , <b>2020</b> , 736, 139677	10.2	28
175	Effect of chronic exposure to nanopolystyrene on nematode <i>Caenorhabditis elegans</i> . <i>Chemosphere</i> , <b>2020</b> , 256, 127172	8.4	41
174	Intestinal mir-794 responds to nanopolystyrene by linking insulin and p38 MAPK signaling pathways in nematode <i>Caenorhabditis elegans</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 201, 110857	7	28
173	Arsenite-induced transgenerational glycometabolism is associated with up-regulation of H3K4me2 via inhibiting spr-5 in <i>Caenorhabditis elegans</i> . <i>Toxicology Letters</i> , <b>2020</b> , 326, 11-17	4.4	38
172	The Toxicity of (Nano)Microplastics on <i>C. elegans</i> and Its Mechanisms. <i>Handbook of Environmental Chemistry</i> , <b>2020</b> , 259-278	0.8	1
171	Response of intestinal G subunits to nanopolystyrene in nematode <i>Caenorhabditis elegans</i> . <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 2351-2359	7.1	25
170	Nanopolystyrene exposure activates a fat metabolism related signaling-mediated protective response in <i>Caenorhabditis elegans</i> . <i>NanoImpact</i> , <b>2020</b> , 17, 100204	5.6	44
169	Neuronal ERK MAPK signaling in response to low-dose nanopolystyrene exposure by suppressing insulin peptide expression in <i>Caenorhabditis elegans</i> . <i>Science of the Total Environment</i> , <b>2020</b> , 724, 138378	10.2	47
168	Exposure to low-dose nanopolystyrene induces the response of neuronal JNK MAPK signaling pathway in nematode <i>Caenorhabditis elegans</i> . <i>Environmental Sciences Europe</i> , <b>2020</b> , 32,	5	45
167	Bioavailability, Enrichment, and Translocation of Environmental Toxicants <b>2020</b> , 485-530		
166	Exposure Stages of Environmental Toxicants or Stresses <b>2020</b> , 23-39		
165	Basic Endpoints for Toxicity Assessment of Environmental Toxicants or Stresses <b>2020</b> , 119-153		
164	Exposure to Certain Environmental Stresses <b>2020</b> , 597-622		
163	Roles of Physicochemical Properties of Toxicants in Toxicity Induction <b>2020</b> , 413-459		
162	Endpoints for Assessing the Toxicity on Biochemical Processes <b>2020</b> , 259-286		
161	Complex Exposures to Environmental Toxicants or Stresses <b>2020</b> , 41-71		
160	Roles of Environmental Media and Chemical Transformations of Environmental Toxicants in Toxicity Induction <b>2020</b> , 461-483		

159	spp. and emissions from humans and animals in the Three Gorges Reservoir in Chongqing, China. <i>PeerJ</i> , <b>2020</b> , 8, e9985	3.1	0
158	Contributors to Amplify the Toxicity of Toxicants or Stresses <b>2020</b> , 577-596		
157	Exposure Routes of Environmental Toxicants <b>2020</b> , 101-117		
156	Role of Exposure Dose in Toxicity Induction of Environmental Toxicants or Stresses <b>2020</b> , 309-332		
155	High-Throughput Toxicity Assessment <b>2020</b> , 623-652		
154	Endpoints for Assessing the Toxicity on Primary Targeted Organs <b>2020</b> , 155-179		
153	Susceptibility to Toxicants or Stresses Induced by Genetic Mutations <b>2020</b> , 531-576		
152	Endpoints for Assessing the Genotoxicity and the Genetic Toxicity <b>2020</b> , 287-308		
151	Toxicity Assessment Under the Pathological Conditions <b>2020</b> , 653-682		
150	Transgenerational Toxicity of Environmental Toxicants or Stresses <b>2020</b> , 73-100		
149	Endpoints for Assessing the Toxicity on Secondary Targeted Organs <b>2020</b> , 181-258		
148	Effects of Environmental Sample Forms on Toxicity Induction <b>2020</b> , 359-411		
147	Role of Environmental Factors in Toxicity Induction of Environmental Toxicants or Stresses <b>2020</b> , 333-357		
146	Exposure Duration of Environmental Toxicants or Stresses <b>2020</b> , 1-22		
145	Lipid metabolic sensors of MDT-15 and SBP-1 regulated the response to simulated microgravity in the intestine of <i>Caenorhabditis elegans</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 528, 28-34	3.4	25
144	Toxicity comparison between pristine and sulfonate modified nanopolystyrene particles in affecting locomotion behavior, sensory perception, and neuronal development in <i>Caenorhabditis elegans</i> . <i>Science of the Total Environment</i> , <b>2020</b> , 703, 134817	10.2	64
143	Toxicity comparison of nanopolystyrene with three metal oxide nanoparticles in nematode <i>Caenorhabditis elegans</i> . <i>Chemosphere</i> , <b>2020</b> , 245, 125625	8.4	51
142	Response of intestinal signaling communication between the nucleus and peroxisome to nanopolystyrene at a predicted environmental concentration. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 250-261	7.1	51

141	Potential toxicity of nanopolystyrene on lifespan and aging process of nematode <i>Caenorhabditis elegans</i> . <i>Science of the Total Environment</i> , <b>2020</b> , 705, 135918	10.2	49
140	Long-term and low-dose exposure to nanopolystyrene induces a protective strategy to maintain functional state of intestine barrier in nematode <i>Caenorhabditis elegans</i> . <i>Environmental Pollution</i> , <b>2020</b> , 258, 113649	9.3	48
139	Toxicity induction of nanopolystyrene under microgravity stress condition in <i>Caenorhabditis elegans</i> . <i>Science of the Total Environment</i> , <b>2020</b> , 703, 135623	10.2	41
138	Molecular basis of intestinal canonical Wnt/ $\beta$ -catenin BAR-1 in response to simulated microgravity in <i>Caenorhabditis elegans</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 522, 198-204	3.4	31
137	Dysregulated mir-354 enhanced the protective response to nanopolystyrene by affecting the activity of TGF- $\beta$ signaling pathway in nematode <i>Caenorhabditis elegans</i> . <i>NanoImpact</i> , <b>2020</b> , 20, 100256	5.6	27
136	Response of DBL-1/TGF- $\beta$ signaling-mediated neuron-intestine communication to nanopolystyrene in nematode <i>Caenorhabditis elegans</i> . <i>Science of the Total Environment</i> , <b>2020</b> , 745, 141047	10.2	19
135	microRNAs involved in the control of toxicity on locomotion behavior induced by simulated microgravity stress in <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , <b>2020</b> , 10, 17510	4.9	23
134	Epigenetic response to nanopolystyrene in germline of nematode <i>Caenorhabditis elegans</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 206, 111404	7	26
133	Exposure Toxicology in <i>Caenorhabditis elegans</i> <b>2020</b> ,		16
132	Effect of graphene oxide exposure on intestinal Wnt signaling in nematode <i>Caenorhabditis elegans</i> . <i>Journal of Environmental Sciences</i> , <b>2020</b> , 88, 200-208	6.4	27
131	Graphene oxide disrupts the protein-protein interaction between Neuroligin/NLG-1 and DLG-1 or MAGI-1 in nematode <i>Caenorhabditis elegans</i> . <i>Science of the Total Environment</i> , <b>2020</b> , 700, 134492	10.2	35
130	Potential of esterase DmtH in transforming plastic additive dimethyl terephthalate to less toxic mono-methyl terephthalate. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 187, 109848	7	31
129	Lipid metabolic response to polystyrene particles in nematode <i>Caenorhabditis elegans</i> . <i>Environmental Pollution</i> , <b>2020</b> , 256, 113439	9.3	52
128	Assessment of nanopolystyrene toxicity under fungal infection condition in <i>Caenorhabditis elegans</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 197, 110625	7	27
127	Nanopolystyrene at predicted environmental concentration enhances microcystin-LR toxicity by inducing intestinal damage in <i>Caenorhabditis elegans</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 183, 109568	7	54
126	Nanopolystyrene-induced microRNAs response in <i>Caenorhabditis elegans</i> after long-term and low-dose exposure. <i>Science of the Total Environment</i> , <b>2019</b> , 697, 134131	10.2	55
125	Identification of long non-coding RNAs in response to nanopolystyrene in <i>Caenorhabditis elegans</i> after long-term and low-dose exposure. <i>Environmental Pollution</i> , <b>2019</b> , 255, 113137	9.3	53
124	Discussion on Specificity of Molecular Signals in Response to Certain Environmental Toxicants or Stresses <b>2019</b> , 327-349		

123	Strategies to Screen and to Identify New Genetic Loci Involved in the Regulation of Toxicity of Environmental Toxicants or Stresses <b>2019</b> , 391-409		
122	Functions of MAPK Signaling Pathways in the Regulation of Toxicity of Environmental Toxicants or Stresses <b>2019</b> , 89-115		
121	Functions of Cell Death and DNA Damage-Related Signaling Pathways in the Regulation of Toxicity of Environmental Toxicants or Stresses <b>2019</b> , 181-201		
120	Functions of Metabolism-Related Signaling Pathways in the Regulation of Toxicity of Environmental Toxicants or Stresses <b>2019</b> , 203-229		
119	Molecular Toxicology in <i>Caenorhabditis elegans</i> <b>2019</b> ,		43
118	Epigenetic Regulation of Toxicity of Environmental Toxicants or Stresses <b>2019</b> , 351-390		
117	Molecular Basis for Transgenerational Toxicity Induction of Environmental Toxicants or Stresses <b>2019</b> , 429-447		
116	Functions of Protective Response-Related Signaling Pathways in the Regulation of Toxicity of Environmental Toxicants or Stresses <b>2019</b> , 231-292		
115	A circular RNA in response to graphene oxide in nematodes.. <i>RSC Advances</i> , <b>2019</b> , 9, 13722-13735	3.7	28
114	Neuronal damage induced by nanopolystyrene particles in nematode <i>Caenorhabditis elegans</i> . <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 2591-2601	7.1	66
113	Dysregulation of Neuronal Gβ Signaling by Graphene Oxide in Nematode <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , <b>2019</b> , 9, 6026	4.9	26
112	Toxicity Induction in the Intestine and Epidermis in Nematodes Exposed to Environmental Toxicants or Stresses <b>2019</b> , 123-146		
111	Activation of p38 MAPK Signaling-Mediated Endoplasmic Reticulum Unfolded Protein Response by Nanopolystyrene Particles. <i>Advanced Biology</i> , <b>2019</b> , 3, e1800325	3.5	63
110	Intestinal Barrier for Nematodes Against Toxicity of Environmental Toxicants or Stresses <b>2019</b> , 71-95		
109	Epidermal Signaling Pathways Required for the Regulation of Toxicity of Environmental Toxicants or Stresses <b>2019</b> , 277-291		
108	Molecular Basis for Oxidative Stress Induced by Environmental Toxicants in Nematodes <b>2019</b> , 1-30		
107	Intestinal Signaling Pathways Required for the Regulation of Toxicity of Environmental Toxicants or Stresses <b>2019</b> , 223-275		
106	Identification of signaling cascade in the insulin signaling pathway in response to nanopolystyrene particles. <i>Nanotoxicology</i> , <b>2019</b> , 13, 174-188	5.3	93



105	Exposure to MPA-capped CdTe quantum dots causes reproductive toxicity effects by affecting oogenesis in nematode <i>Caenorhabditis elegans</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 173, 54-62	7	39
104	Avoidance Behavior of Nematodes to Environmental Toxicants or Stresses <b>2019</b> , 27-69		1
103	Amino modification enhances reproductive toxicity of nanopolystyrene on gonad development and reproductive capacity in nematode <i>Caenorhabditis elegans</i> . <i>Environmental Pollution</i> , <b>2019</b> , 254, 112978	9-3	81
102	Prolonged exposure to multi-walled carbon nanotubes dysregulates intestinal mir-35 and its direct target MAB-3 in nematode <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , <b>2019</b> , 9, 12144	4-9	37
101	Intestine-specific activity of insulin signaling pathway in response to microgravity stress in <i>Caenorhabditis elegans</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>2019</b> , 517, 278-284	3-4	39
100	Response of canonical Wnt/ $\beta$ -catenin signaling pathway in the intestine to microgravity stress in <i>Caenorhabditis elegans</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 186, 109782	7	36
99	Damage on functional state of intestinal barrier by microgravity stress in nematode <i>Caenorhabditis elegans</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 183, 109554	7	33
98	Mitochondrial Unfolded Protein Response to Microgravity Stress in Nematode <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , <b>2019</b> , 9, 16474	4-9	37
97	Functions of Development-Related Signaling Pathways in the Regulation of Toxicity of Environmental Toxicants or Stresses <b>2019</b> , 147-179		
96	Protective Responses of Different Organs to Environmental Toxicants or Stresses <b>2019</b> , 1-25		
95	Molecular Basis for Reduced Lifespan Induced by Environmental Toxicants or Stresses <b>2019</b> , 31-58		
94	Functions of Insulin and the Related Signaling Pathways in the Regulation of Toxicity of Environmental Toxicants or Stresses <b>2019</b> , 117-146		
93	Functions of G-Protein-Coupled Receptors and Ion Channels and the Downstream Cytoplasmic Signals in the Regulation of Toxicity of Environmental Toxicants or Stresses <b>2019</b> , 293-326		
92	Roles of Oxidative Stress-Related Molecular Signals in the Regulation of Toxicity of Environmental Toxicants or Stresses <b>2019</b> , 59-88		
91	Molecular Basis for Adaptive Response to Environmental Toxicants or Stresses <b>2019</b> , 411-428		1
90	Reproductive Toxicity Induction in Nematodes Exposed to Environmental Toxicants or Stresses <b>2019</b> , 197-222		1
89	Target Organ Toxicology in <i>Caenorhabditis elegans</i> <b>2019</b> ,		6
88	Epidermal Barrier for Nematodes Against Toxicity of Environmental Toxicants or Stresses <b>2019</b> , 97-122		2



87	Toxicity Induction in Neurons and Muscle in Nematodes Exposed to Environmental Toxicants or Stresses <b>2019</b> , 147-196		
86	Dysregulation of let-7 by PEG modified graphene oxide in nematodes with deficit in epidermal barrier. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 169, 1-7	7	29
85	Regulation of the Response of Caenorhabditis elegans to Simulated Microgravity by p38 Mitogen-Activated Protein Kinase Signaling. <i>Scientific Reports</i> , <b>2018</b> , 8, 857	4.9	54
84	Toxicity evaluation of Wanzhou watershed of Yangtze Three Gorges Reservoir in the flood season in Caenorhabditis elegans. <i>Scientific Reports</i> , <b>2018</b> , 8, 6734	4.9	32
83	NPR-9 regulates the innate immune response in Caenorhabditis elegans by antagonizing the activity of AIB interneurons. <i>Cellular and Molecular Immunology</i> , <b>2018</b> , 15, 27-37	15.4	48
82	Di (2-ethylhexyl) phthalate-induced reproductive toxicity involved in dna damage-dependent oocyte apoptosis and oxidative stress in Caenorhabditis elegans. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 163, 298-306	7	59
81	Functional disruption in epidermal barrier enhances toxicity and accumulation of graphene oxide. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 163, 456-464	7	33
80	Deficit in the epidermal barrier induces toxicity and translocation of PEG modified graphene oxide in nematodes. <i>Toxicology Research</i> , <b>2018</b> , 7, 1061-1070	2.6	31
79	Identification of interneurons required for the aversive response of Caenorhabditis elegans to graphene oxide. <i>Journal of Nanobiotechnology</i> , <b>2018</b> , 16, 45	9.4	36
78	Developmental basis for intestinal barrier against the toxicity of graphene oxide. <i>Particle and Fibre Toxicology</i> , <b>2018</b> , 15, 26	8.4	55
77	Nanotoxicology in Caenorhabditis elegans <b>2018</b> ,		76
76	Exposure Routes of Nanomaterials <b>2018</b> , 33-44		
75	Molecular Mechanisms of Nanotoxicity Formation <b>2018</b> , 109-168		
74	Cellular and Physiological Mechanisms of Nanotoxicity Formation <b>2018</b> , 79-107		
73	Long-term exposure to thiolated graphene oxide in the range of $\mu$ /L induces toxicity in nematode Caenorhabditis elegans. <i>Science of the Total Environment</i> , <b>2018</b> , 616-617, 29-37	10.2	38
72	Toxicity of Graphene Oxide in Nematodes with a Deficit in the Epidermal Barrier Caused by RNA Interference Knockdown of unc-52. <i>Environmental Science and Technology Letters</i> , <b>2018</b> , 5, 622-628	11	29
71	Biosafety assessment of water samples from Wanzhou watershed of Yangtze Three Gorges Reservoir in the quiet season in Caenorhabditis elegans. <i>Scientific Reports</i> , <b>2018</b> , 8, 14102	4.9	25
70	Values of C. elegans in Toxicological Study <b>2018</b> , 1-10		1

69	Confirmation of Nanomaterials with Low-Toxicity or Non-toxicity Property <b>2018</b> , 205-226		2
68	Using acs-22 mutant <i>Caenorhabditis elegans</i> to detect the toxicity of nanopolystyrene particles. <i>Science of the Total Environment</i> , <b>2018</b> , 643, 119-126	10.2	106
67	Combinational effect of titanium dioxide nanoparticles and nanopolystyrene particles at environmentally relevant concentrations on nematode <i>Caenorhabditis elegans</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 161, 444-450	7	100
66	Graphene Oxide Dysregulates Neuroligin/NLG-1-Mediated Molecular Signaling in Interneurons in <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , <b>2017</b> , 7, 41655	4.9	37
65	Antimicrobial proteins in the response to graphene oxide in <i>Caenorhabditis elegans</i> . <i>Nanotoxicology</i> , <b>2017</b> , 11, 578-590	5.3	67
64	Coal combustion related fine particulate matter (PM) induces toxicity in by dysregulating microRNA expression. <i>Toxicology Research</i> , <b>2017</b> , 6, 432-441	2.6	34
63	Neuronal ERK signaling in response to graphene oxide in nematode <i>Caenorhabditis elegans</i> . <i>Nanotoxicology</i> , <b>2017</b> , 11, 520-533	5.3	51
62	Transgenerational toxicity of nanopolystyrene particles in the range of $10^1$ – $10^4$ in the nematode <i>Caenorhabditis elegans</i> . <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 2356-2366	7.1	128
61	Multi-walled carbon nanotubes-induced alterations in microRNA let-7 and its targets activate a protection mechanism by conferring a developmental timing control. <i>Particle and Fibre Toxicology</i> , <b>2017</b> , 14, 27	8.4	45
60	Molecular basis for oxidative stress induced by simulated microgravity in nematode <i>Caenorhabditis elegans</i> . <i>Science of the Total Environment</i> , <b>2017</b> , 607-608, 1381-1390	10.2	50
59	mir-355 Functions as An Important Link between p38 MAPK Signaling and Insulin Signaling in the Regulation of Innate Immunity. <i>Scientific Reports</i> , <b>2017</b> , 7, 14560	4.9	38
58	Graphene oxide induces canonical Wnt/ $\beta$ -catenin signaling-dependent toxicity in <i>Caenorhabditis elegans</i> . <i>Carbon</i> , <b>2017</b> , 113, 122-131	10.4	42
57	Value of mir-247 in warning of graphene oxide toxicity in nematode <i>Caenorhabditis elegans</i> . <i>RSC Advances</i> , <b>2017</b> , 7, 52694-52701	3.7	30
56	Molecular Control of Innate Immune Response to <i>Pseudomonas aeruginosa</i> Infection by Intestinal let-7 in <i>Caenorhabditis elegans</i> . <i>PLoS Pathogens</i> , <b>2017</b> , 13, e1006152	7.6	47
55	A MicroRNA-Mediated Insulin Signaling Pathway Regulates the Toxicity of Multi-Walled Carbon Nanotubes in Nematode <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , <b>2016</b> , 6, 23234	4.9	42
54	Intestinal Insulin Signaling Encodes Two Different Molecular Mechanisms for the Shortened Longevity Induced by Graphene Oxide in <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , <b>2016</b> , 6, 24024	4.9	47
53	p38 MAPK-SKN-1/Nrf signaling cascade is required for intestinal barrier against graphene oxide toxicity in <i>Caenorhabditis elegans</i> . <i>Nanotoxicology</i> , <b>2016</b> , 10, 1469-1479	5.3	64
52	Metallothioneins act downstream of insulin signaling to regulate toxicity of outdoor fine particulate matter (PM) during Spring Festival in Beijing in nematode. <i>Toxicology Research</i> , <b>2016</b> , 5, 1097-1105	2.6	29

51	Genome-wide identification and functional analysis of long noncoding RNAs involved in the response to graphene oxide. <i>Biomaterials</i> , <b>2016</b> , 102, 277-91	15.6	71
50	microRNAs Involved in the Control of Innate Immunity in Candida Infected Caenorhabditis elegans. <i>Scientific Reports</i> , <b>2016</b> , 6, 36036	4.9	40
49	A mir-231-Regulated Protection Mechanism against the Toxicity of Graphene Oxide in Nematode Caenorhabditis elegans. <i>Scientific Reports</i> , <b>2016</b> , 6, 32214	4.9	37
48	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. <i>Chemosphere</i> , <b>2016</b> , 144, 2392-400	8.4	55
47	Beneficial effects of Glycyrrhizae radix extract in preventing oxidative damage and extending the lifespan of Caenorhabditis elegans. <i>Journal of Ethnopharmacology</i> , <b>2016</b> , 177, 101-10	5	37
46	Multi-walled carbon nanotubes enhanced fungal colonization and suppressed innate immune response to fungal infection in nematodes. <i>Toxicology Research</i> , <b>2016</b> , 5, 492-499	2.6	41
45	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. <i>RSC Advances</i> , <b>2016</b> , 6, 4151-4159	3.7	45
44	Quantum dots increased fat storage in intestine of Caenorhabditis elegans by influencing molecular basis for fatty acid metabolism. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2016</b> , 12, 1175-84	6	43
43	Glycyrrhizic acid, active component from Glycyrrhizae radix, prevents toxicity of graphene oxide by influencing functions of microRNAs in nematode Caenorhabditis elegans. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2016</b> , 12, 735-744	6	32
42	FLP-4 neuropeptide and its receptor in a neuronal circuit regulate preference choice through functions of ASH-2 trithorax complex in Caenorhabditis elegans. <i>Scientific Reports</i> , <b>2016</b> , 6, 21485	4.9	31
41	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. <i>Scientific Reports</i> , <b>2016</b> , 6, 32409	4.9	45
40	Wnt Ligands Differentially Regulate Toxicity and Translocation of Graphene Oxide through Different Mechanisms in Caenorhabditis elegans. <i>Scientific Reports</i> , <b>2016</b> , 6, 39261	4.9	38
39	An epigenetic signal encoded protection mechanism is activated by graphene oxide to inhibit its induced reproductive toxicity in Caenorhabditis elegans. <i>Biomaterials</i> , <b>2016</b> , 79, 15-24	15.6	87
38	Biological effects, translocation, and metabolism of quantum dots in the nematode. <i>Toxicology Research</i> , <b>2016</b> , 5, 1003-1011	2.6	42
37	Pretreatment with paeonol prevents the adverse effects and alters the translocation of multi-walled carbon nanotubes in nematode Caenorhabditis elegans. <i>RSC Advances</i> , <b>2015</b> , 5, 8942-8951	3.7	28
36	Quantum dots exposure alters both development and function of D-type GABAergic motor neurons in nematode Caenorhabditis elegans. <i>Toxicology Research</i> , <b>2015</b> , 4, 399-408	2.6	42
35	Vitamin E ameliorates neurodegeneration related phenotypes caused by neurotoxicity of Al <sub>2</sub> O <sub>3</sub> -nanoparticles in C. elegans. <i>Toxicology Research</i> , <b>2015</b> , 4, 1269-1281	2.6	33
34	A microRNAs-mRNAs network involved in the control of graphene oxide toxicity in Caenorhabditis elegans. <i>RSC Advances</i> , <b>2015</b> , 5, 92394-92405	3.7	38

33	Toxicity evaluation and translocation of carboxyl functionalized graphene in <i>Caenorhabditis elegans</i> . <i>Toxicology Research</i> , <b>2015</b> , 4, 1498-1510	2.6	33
32	Genetic Screen Reveals Link between the Maternal Effect Sterile Gene <i>mes-1</i> and <i>Pseudomonas aeruginosa</i> -induced Neurodegeneration in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 29231-9	5.4	38
31	Transgenerational safety of nitrogen-doped graphene quantum dots and the underlying cellular mechanism in <i>Caenorhabditis elegans</i> . <i>Toxicology Research</i> , <b>2015</b> , 4, 270-280	2.6	52
30	Lactic Acid Bacteria Protects <i>Caenorhabditis elegans</i> from Toxicity of Graphene Oxide by Maintaining Normal Intestinal Permeability under different Genetic Backgrounds. <i>Scientific Reports</i> , <b>2015</b> , 5, 17233	4.9	47
29	Crucial role of intestinal barrier in the formation of transgenerational toxicity in quantum dot exposed nematodes <i>Caenorhabditis elegans</i> . <i>RSC Advances</i> , <b>2015</b> , 5, 94257-94266	3.7	39
28	Insulin signaling regulates the toxicity of traffic-related PM2.5 on intestinal development and function in nematode <i>Caenorhabditis elegans</i> . <i>Toxicology Research</i> , <b>2015</b> , 4, 333-343	2.6	31
27	Adverse effects of coal combustion related fine particulate matter (PM2.5) on nematode <i>Caenorhabditis elegans</i> . <i>Science of the Total Environment</i> , <b>2015</b> , 512-513, 251-260	10.2	46
26	Overexpression of heme oxygenase 1 causes cognitive decline and affects pathways for tauopathy in mice. <i>Journal of Alzheimer's Disease</i> , <b>2015</b> , 43, 519-34	4.3	25
25	In vivo translocation and toxicity of multi-walled carbon nanotubes are regulated by microRNAs. <i>Nanoscale</i> , <b>2014</b> , 6, 4275-84	7.7	59
24	Immune response is required for the control of in vivo translocation and chronic toxicity of graphene oxide. <i>Nanoscale</i> , <b>2014</b> , 6, 5894-906	7.7	104
23	Molecular signals regulating translocation and toxicity of graphene oxide in the nematode <i>Caenorhabditis elegans</i> . <i>Nanoscale</i> , <b>2014</b> , 6, 11204-12	7.7	68
22	Response of microRNAs to in vitro treatment with graphene oxide. <i>ACS Nano</i> , <b>2014</b> , 8, 2100-10	16.7	75
21	Susceptible genes regulate the adverse effects of TiO2-NPs at predicted environmental relevant concentrations on nematode <i>Caenorhabditis elegans</i> . <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2014</b> , 10, 1263-71	6	71
20	microRNAs control of in vivo toxicity from graphene oxide in <i>Caenorhabditis elegans</i> . <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2014</b> , 10, 1401-10	6	66
19	Adverse effects from clenbuterol and ractopamine on nematode <i>Caenorhabditis elegans</i> and the underlying mechanism. <i>PLoS ONE</i> , <b>2014</b> , 9, e85482	3.7	39
18	Full toxicity assessment of Genkwa Flos and the underlying mechanism in nematode <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e91825	3.7	37
17	Transgenerational effects of traffic-related fine particulate matter (PM <sub>2.5</sub> ) on nematode <i>Caenorhabditis elegans</i> . <i>Journal of Hazardous Materials</i> , <b>2014</b> , 274, 106-14	12.8	48
16	Dopamine receptors antagonistically regulate behavioral choice between conflicting alternatives in <i>C. elegans</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e115985	3.7	25

15	Transmissions of serotonin, dopamine, and glutamate are required for the formation of neurotoxicity from Al <sub>2</sub> O <sub>3</sub> -NPs in nematode <i>Caenorhabditis elegans</i> . <i>Nanotoxicology</i> , <b>2013</b> , 7, 1004-13	5.3	56
14	Biosafety assessment of titanium dioxide nanoparticles in acutely exposed nematode <i>Caenorhabditis elegans</i> with mutations of genes required for oxidative stress or stress response. <i>Chemosphere</i> , <b>2013</b> , 93, 2289-96	8.4	73
13	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 <i>Caenorhabditis elegans</i> . <i>Nanoscale</i> , <b>2013</b> , 5, 11166-78	7.7	70
12	Contributions of altered permeability of intestinal barrier and defecation behavior to toxicity formation from graphene oxide in nematode <i>Caenorhabditis elegans</i> . <i>Nanoscale</i> , <b>2013</b> , 5, 9934-43	7.7	151
11	Comparison of toxicities from three metal oxide nanoparticles at environmental relevant concentrations in nematode <i>Caenorhabditis elegans</i> . <i>Chemosphere</i> , <b>2013</b> , 90, 1123-31	8.4	125
10	Translocation, transfer, and in vivo safety evaluation of engineered nanomaterials in the non-mammalian alternative toxicity assay model of nematode <i>Caenorhabditis elegans</i> . <i>RSC Advances</i> , <b>2013</b> , 3, 5741	3.7	132
9	Carboxylic acid functionalization prevents the translocation of multi-walled carbon nanotubes at predicted environmentally relevant concentrations into targeted organs of nematode <i>Caenorhabditis elegans</i> . <i>Nanoscale</i> , <b>2013</b> , 5, 6088-96	7.7	87
8	High concentration of vitamin E decreases thermosensation and thermotaxis learning and the underlying mechanisms in the nematode <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , <b>2013</b> , 8, e71180	3.7	23
7	Methods for creating mutations in <i>C. elegans</i> that extend lifespan. <i>Methods in Molecular Biology</i> , <b>2013</b> , 1048, 65-75	1.4	26
6	Inhibition of ROS elevation and damage to mitochondrial function prevents lead-induced neurotoxic effects on structures and functions of AFD neurons in <i>Caenorhabditis elegans</i> . <i>Journal of Environmental Sciences</i> , <b>2012</b> , 24, 733-42	6.4	25
5	Formation of a combined Ca/Cd toxicity on lifespan of nematode <i>Caenorhabditis elegans</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2010</b> , 73, 1221-30	7	31
4	Induction of chemotaxis to sodium chloride and diacetyl and thermotaxis defects by microcystin-LR exposure in nematode <i>Caenorhabditis elegans</i> . <i>Journal of Environmental Sciences</i> , <b>2009</b> , 21, 971-9	6.4	28
3	Adverse effects of metal exposure on chemotaxis towards water-soluble attractants regulated mainly by ASE sensory neuron in nematode <i>Caenorhabditis elegans</i> . <i>Journal of Environmental Sciences</i> , <b>2009</b> , 21, 1684-94	6.4	23
2	Assessment of locomotion behavioral defects induced by acute toxicity from heavy metal exposure in nematode <i>Caenorhabditis elegans</i> . <i>Journal of Environmental Sciences</i> , <b>2008</b> , 20, 1132-7	6.4	83
1	The phenotypic and behavioral defects can be transferred from zinc-exposed nematodes to their progeny. <i>Environmental Toxicology and Pharmacology</i> , <b>2007</b> , 24, 223-30	5.8	57