

CITATION REPORT

List of articles citing

Comparative toxicity of several metal oxide nanoparticle aqueous suspensions to Zebrafish (*Danio rerio*) early developmental stage

DOI: 10.1080/10934520701792779

Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 278-84.

Source: <https://exaly.com/paper-pdf/43872422/citation-report.pdf>

Version: 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
419	Nanoecotoxicology: nanoparticles at large. 2008 , 3, 253-4		68
418	Recent Papers on Zebrafish and Other Aquarium Fish Models. 2008 , 5, 71-81		
417	High doses of intravenously administered titanium dioxide nanoparticles accumulate in the kidneys of rainbow trout but with no observable impairment of renal function. 2009 , 109, 372-80		85
416	Effect of sub-acute exposure to TiO ₂ nanoparticles on oxidative stress and histopathological changes in Juvenile Carp (<i>Cyprinus carpio</i>). 2009 , 21, 1459-66		194
415	Acute toxicities of six manufactured nanomaterial suspensions to <i>Daphnia magna</i> . 2009 , 11, 67-75		267
414	Toxicity assessments of multisized gold and silver nanoparticles in zebrafish embryos. 2009 , 5, 1897-910		494
413	Effect of hydrated tin dioxide (SnO ₂ x xH ₂ O) nanoparticles on guppy (<i>Poecilia reticulata</i> Peters, 1860). 2009 , 426, 288-9		7
412	Considerations for environmental fate and ecotoxicity testing to support environmental risk assessments for engineered nanoparticles. 2009 , 1216, 503-9		302
411	Acute toxicity of boron, titanium dioxide, and aluminum nanoparticles to <i>Daphnia magna</i> and <i>Vibrio fischeri</i> . 2009 , 248, 771-782		89
410	Toxicity and developmental defects of different sizes and shape nickel nanoparticles in zebrafish. 2009 , 43, 6349-56		205
409	Zebrafish as a correlative and predictive model for assessing biomaterial nanotoxicity. 2009 , 61, 478-86		212
408	The effect of zinc oxide and titanium dioxide nanoparticles in the Comet assay with UVA photoactivation of human sperm and lymphocytes. <i>Nanotoxicology</i> , 2009 , 3, 33-39	5.3	78
407	Effect of nanoparticles on aquatic organisms. 2010 , 37, 406-412		47
406	Nanomaterials in the construction industry: a review of their applications and environmental health and safety considerations. 2010 , 4, 3580-90		521
405	Biocompatibility and biodistribution of surface-enhanced Raman scattering nanoprobe in zebrafish embryos: in vivo and multiplex imaging. 2010 , 4, 4039-53		122
404	Toxicities of nano zinc oxide to five marine organisms: influences of aggregate size and ion solubility. 2010 , 396, 609-18		304
403	Toxicity of zinc oxide nanoparticles to zebrafish embryo: a physicochemical study of toxicity mechanism. 2010 , 12, 1645-1654		297

402	The effects of engineered nanoparticles on survival, reproduction, and behaviour of freshwater snail, <i>Physa acuta</i> (Draparnaud, 1805). 2010 , 81, 1196-203		38
401	Overview of developmental and reproductive toxicity research in China: history, funding mechanisms, and frontiers of the research. 2010 , 89, 9-17		1
400	Zinc oxide nanoparticles for selective destruction of tumor cells and potential for drug delivery applications. 2010 , 7, 1063-77		741
399	Effects of surface chemistry on cytotoxicity, genotoxicity, and the generation of reactive oxygen species induced by ZnO nanoparticles. 2010 , 26, 15399-408		188
398	Stability and aggregation of metal oxide nanoparticles in natural aqueous matrices. 2010 , 44, 1962-7		1040
397	Ranking initial environmental and human health risk resulting from environmentally relevant nanomaterials. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010 , 45, 992-1007	2.3	91
396	Assessing the colloidal properties of engineered nanoparticles in water: case studies from fullerene C60 nanoparticles and carbon nanotubes. 2010 , 7, 10		124
395	Review: Do engineered nanoparticles pose a significant threat to the aquatic environment?. 2010 , 40, 653-70		244
394	Toxicity of zinc oxide (ZnO) nanoparticles on human bronchial epithelial cells (BEAS-2B) is accentuated by oxidative stress. 2010 , 48, 1762-6		145
393	Toxicity and bioaccumulation of TiO2 nanoparticle aggregates in <i>Daphnia magna</i> . 2010 , 78, 209-15		381
392	Assessment of uptake and toxicity of fluorescent silica nanoparticles in zebrafish (<i>Danio rerio</i>) early life stages. 2010 , 100, 218-28		134
391	Zinc oxide nanoparticles in modern sunscreens: an analysis of potential exposure and hazard. <i>Nanotoxicology</i> , 2010 , 4, 15-41	5.3	288
390	ZnO particulate matter requires cell contact for toxicity in human colon cancer cells. 2010 , 23, 733-9		168
389	Effects of dispersed aggregates of carbon and titanium dioxide engineered nanoparticles on rainbow trout hepatocytes. 2011 , 74, 466-77		20
388	Effects of Ag nanoparticles on survival and oxygen consumption of zebra fish embryos, <i>Danio rerio</i> . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011 , 46, 1122-8	2.3	27
387	Zebrafish as a Suitable Model for Evaluating Nanocosmetics and Nanomedicines. 2011 , 239-251		2
386	The antibacterial effects of engineered nanomaterials: implications for wastewater treatment plants. 2011 , 13, 1164-83		128
385	Effect of physico-chemical parameters on the toxicity of inorganic nanoparticles. 2011 , 21, 5547		47

384	Titanium dioxide in our everyday life; is it safe?. 2011 , 45, 227-47	291
383	Zebrafish as a Vertebrate Model to Assess Sublethal Effects and Health Risks of Emerging Pollutants. 2011 , 395-414	
382	Nanomaterials: Potential Ecological Uses and Effects. 2011 , 1-11	1
381	TiO ₂ nanoparticles in the marine environment: impact on the toxicity of tributyltin to abalone (<i>Haliotis diversicolor supertexta</i>) embryos. 2011 , 45, 3753-8	155
380	Health impact and safety of engineered nanomaterials. 2011 , 47, 7025-38	195
379	Effects of ZnO nanomaterials on <i>Xenopus laevis</i> growth and development. 2011 , 74, 203-10	36
378	Effects of nanosized titanium dioxide on innate immune system of fathead minnow (<i>Pimephales promelas</i> Rafinesque, 1820). 2011 , 74, 675-83	95
377	Analysis of currently available data for characterising the risk of engineered nanomaterials to the environment and human health—lessons learned from four case studies. 2011 , 37, 1143-56	193
376	Physiological effects of nanoparticles on fish: a comparison of nanometals versus metal ions. 2011 , 37, 1083-97	284
375	Comparison of the toxicity of silver, gold and platinum nanoparticles in developing zebrafish embryos. <i>Nanotoxicology</i> , 2011 , 5, 43-54	5-3 351
374	Raman spectroscopic investigation on the microenvironment of the liver tissues of Zebrafish (<i>Danio rerio</i>) due to titanium dioxide exposure. 2011 , 56, 146-153	16
373	Effects of manufactured nanomaterials on fishes: a target organ and body systems physiology approach. 2011 , 79, 821-53	78
372	Silver nanoparticles alter zebrafish development and larval behavior: distinct roles for particle size, coating and composition. 2011 , 33, 708-14	127
371	Metal oxide nanomaterials in seawater: linking physicochemical characteristics with biological response in sea urchin development. 2011 , 192, 1565-71	102
370	Distribution of CuO nanoparticles in juvenile carp (<i>Cyprinus carpio</i>) and their potential toxicity. 2011 , 197, 304-10	123
369	Effects of nano-scale TiO ₂ , ZnO and their bulk counterparts on zebrafish: acute toxicity, oxidative stress and oxidative damage. 2011 , 409, 1444-52	397
368	Food packaging based on polymer nanomaterials. 2011 , 36, 1766-1782	640
367	The toxicity and oxidative stress of TiO ₂ nanoparticles in marine abalone (<i>Haliotis diversicolor supertexta</i>). 2011 , 63, 334-8	75

366	Behavioral effects of titanium dioxide nanoparticles on larval zebrafish (<i>Danio rerio</i>). 2011 , 63, 303-8	78
365	Ecotoxicity of nanosized TiO ₂ . Review of in vivo data. 2011 , 159, 677-84	320
364	Comparative phototoxicity of nanoparticulate and bulk ZnO to a free-living nematode <i>Caenorhabditis elegans</i> : the importance of illumination mode and primary particle size. 2011 , 159, 1473-80	115
363	Chronic toxicity of ZnO nanoparticles, non-nano ZnO and ZnCl ₂ to <i>Folsomia candida</i> (Collembola) in relation to bioavailability in soil. 2011 , 159, 2713-9	111
362	Effect of fluorescent silica nanoparticles in embryo and larva of <i>Oryzias latipes</i> : sonic effect in nanoparticle dispersion. 2011 , 82, 451-9	27
361	Disruption of zebrafish (<i>Danio rerio</i>) reproduction upon chronic exposure to TiO ₂ nanoparticles. 2011 , 83, 461-7	127
360	Acute effects of Fe ₃ O ₄ , TiO ₂ , ZnO and CuO nanomaterials on <i>Xenopus laevis</i> . 2011 , 83, 1053-61	118
359	Comparative toxicity of nano-ZnO and bulk ZnO suspensions to zebrafish and the effects of sedimentation, OH production and particle dissolution in distilled water. 2011 , 13, 1975-82	76
358	Layered double hydroxide nanoparticles as target-specific delivery carriers: uptake mechanism and toxicity. 2011 , 6, 803-14	147
357	Methodologies for Toxicity Monitoring and Nanotechnology Risk Assessment. 2011 , 141-180	5
356	Acaricidal, pediculocidal and larvicidal activity of synthesized ZnO nanoparticles using wet chemical route against blood feeding parasites. 2011 , 109, 461-72	89
355	Titanium dioxide nanoparticles produce phototoxicity in the developing zebrafish. <i>Nanotoxicology</i> , 2012 , 6, 670-9	5-3 111
354	Quantifying the effect of nanoparticles on As(V) ecotoxicity exemplified by nano-Fe ₂ O ₃ (magnetic) and nano-Al ₂ O ₃ . 2012 , 31, 2870-6	20
353	Organic photovoltaics: potential fate and effects in the environment. 2012 , 49, 128-40	39
352	The primacy of physicochemical characterization of nanomaterials for reliable toxicity assessment: a review of the zebrafish nanotoxicology model. 2012 , 926, 261-316	24
351	Involvement of reactive oxygen species and high-voltage-activated calcium currents in nanoparticle zinc oxide-induced cytotoxicity in vitro. 2012 , 14, 1	7
350	Oxidative stress and genotoxic effect of zinc oxide nanoparticles in freshwater snail <i>Lymnaea luteola</i> L. 2012 , 124-125, 83-90	83
349	Copper oxide nanoparticles can induce toxicity to the freshwater shredder <i>Allogamus ligonifer</i> . 2012 , 89, 1142-50	45

348	Consistency of morphological endpoints used to assess developmental timing in zebrafish (<i>Danio rerio</i>) across a temperature gradient. 2012 , 34, 561-7		8
347	Bioavailability and preliminary toxicity evaluations of alumina nanoparticles in vivo after oral exposure. 2012 , 1, 69-74		16
346	Oxidative stress responses in different organs of carp (<i>Cyprinus carpio</i>) with exposure to ZnO nanoparticles. 2012 , 80, 103-10		127
345	Application of embryonic and adult zebrafish for nanotoxicity assessment. 2012 , 926, 317-29		10
344	Biological Responses to and Toxicity of Nanoscale Implant Materials. 2012 , 481-508		1
343	Synthesis, Characterization, and Antimicrobial Activity of Zinc Oxide Nanoparticles. 2012 , 151-180		13
342	Organ biodistribution, clearance, and genotoxicity of orally administered zinc oxide nanoparticles in mice. <i>Nanotoxicology</i> , 2012 , 6, 746-56	5-3	173
341	River waters induced neurotoxicity in an embryo-larval zebrafish model. 2012 , 84, 84-91		11
340	Chemometric analytical approach for the cloud point extraction and inductively coupled plasma mass spectrometric determination of zinc oxide nanoparticles in water samples. 2012 , 84, 6546-52		80
339	Automated phenotype recognition for zebrafish embryo based in vivo high throughput toxicity screening of engineered nano-materials. 2012 , 7, e35014		43
338	Toxicity assessment of iron oxide nanoparticles in zebrafish (<i>Danio rerio</i>) early life stages. 2012 , 7, e46286		162
337	Phototoxicity of TiO ₂ nanoparticles under solar radiation to two aquatic species: <i>Daphnia magna</i> and Japanese medaka. 2012 , 31, 1621-9		126
336	The fate of ZnO nanoparticles administered to human bronchial epithelial cells. 2012 , 6, 4921-30		134
335	Nanotoxicology and in vitro studies: the need of the hour. 2012 , 258, 151-65		385
334	Effects of four CeO ₂ nanocrystalline catalysts on early-life stages of zebrafish <i>Danio rerio</i> and crustacean <i>Daphnia magna</i> . 2012 , 219-220, 213-20		15
333	Chronic Al ₂ O ₃ -nanoparticle exposure causes neurotoxic effects on locomotion behaviors by inducing severe ROS production and disruption of ROS defense mechanisms in nematode <i>Caenorhabditis elegans</i> . 2012 , 219-220, 221-30		105
332	Impact of metal nanoparticles on germ cell viability and functionality. 2012 , 47 Suppl 4, 359-68		24
331	Effect of titanium dioxide nanomaterials and ultraviolet light coexposure on African clawed frogs (<i>Xenopus laevis</i>). 2012 , 31, 176-83		41

330	Developmental toxicity of CdTe QDs in zebrafish embryos and larvae. 2013 , 15, 1		16
329	Cardiovascular toxicity evaluation of silica nanoparticles in endothelial cells and zebrafish model. 2013 , 34, 5853-62		154
328	The chronic toxicity of ZnO nanoparticles and ZnCl ₂ to <i>Daphnia magna</i> and the use of different methods to assess nanoparticle aggregation and dissolution. <i>Nanotoxicology</i> , 2014 , 8, 709-17	5:3	84
327	Effects of zinc oxide and titanium dioxide nanoparticles on green algae under visible, UVA, and UVB irradiations: no evidence of enhanced algal toxicity under UV pre-irradiation. 2013 , 91, 536-44		107
326	Photoinactivation of <i>Escherichia coli</i> by sulfur-doped and nitrogen-fluorine-codoped TiO ₂ nanoparticles under solar simulated light and visible light irradiation. 2013 , 47, 9988-96		113
325	Exposure of juvenile <i>Danio rerio</i> to aged TiO ₂ nanomaterial from sunscreen. 2013 , 20, 3340-50		33
324	Effects of aqueous suspensions of titanium dioxide nanoparticles on <i>Artemia salina</i> : assessment of nanoparticle aggregation, accumulation, and toxicity. 2013 , 185, 3339-48		95
323	Behavior of titanium dioxide nanoparticles in <i>Lemna minor</i> growth test conditions. 2013 , 88, 89-94		44
322	Effects of nanotoxicity on female reproductivity and fetal development in animal models. 2013 , 14, 9319-37		63
321	Monitoring the Environmental Impact of TiO Nanoparticles Using a Plant-Based Sensor Network. 2013 , 12, 182-189		5
320	Safety issues relating to nanomaterials for construction applications. 2013 , 127-158		2
319	Comparison of toxicities from three metal oxide nanoparticles at environmental relevant concentrations in nematode <i>Caenorhabditis elegans</i> . 2013 , 90, 1123-31		125
318	Ecotoxicity of manufactured ZnO nanoparticles--a review. 2013 , 172, 76-85		650
317	Bioaccumulation and sub-acute toxicity of zinc oxide nanoparticles in juvenile carp (<i>Cyprinus carpio</i>): a comparative study with its bulk counterparts. 2013 , 91, 52-60		103
316	Influence of humic acid on titanium dioxide nanoparticle toxicity to developing zebrafish. 2013 , 47, 4718-25		118
315	Self-cleaning antimicrobial surfaces by bio-enabled growth of SnO ₂ coatings on glass. 2013 , 5, 3447-56		26
314	Cytotoxicity of aluminium oxide nanoparticles towards fresh water algal isolate at low exposure concentrations. 2013 , 132-133, 34-45		86
313	Effect of nanoparticle stabilization and physicochemical properties on exposure outcome: acute toxicity of silver nanoparticle preparations in zebrafish (<i>Danio rerio</i>). 2013 , 47, 3883-92		50

312	In vitro evaluation of cellular responses induced by ZnO nanoparticles, zinc ions and bulk ZnO in fish cells. 2013 , 452-453, 262-74		52
311	Titanium dioxide nanoparticles: a review of current toxicological data. 2013 , 10, 15		883
310	Comparative cytotoxicity induced by bulk and nanoparticulated ZnO in the fish and human hepatoma cell lines PLHC-1 and Hep G2. <i>Nanotoxicology</i> , 2013 , 7, 935-52	5-3	44
309	In vivo toxicity evaluation of gold-dendrimer composite nanodevices with different surface charges. <i>Nanotoxicology</i> , 2013 , 7, 441-51	5-3	13
308	Physicochemical characteristics of polymer-coated metal-oxide nanoparticles and their toxicological effects on zebrafish (<i>Danio rerio</i>) development. 2013 , 47, 6589-96		43
307	Zebrafish: an in vivo model for nano EHS studies. 2013 , 9, 1608-18		115
306	Sub-lethal effects of titanium dioxide nanoparticles on the physiology and reproduction of zebrafish. 2013 , 126, 404-13		79
305	Toxicity of Ag, CuO and ZnO nanoparticles to selected environmentally relevant test organisms and mammalian cells in vitro: a critical review. 2013 , 87, 1181-200		827
304	Bioaccumulation, Sub-acute Toxicity, and Tissue Distribution of Engineered Titanium Dioxide (TiO) Nanoparticles in Goldfish (). 2013 , 2013,		42
303	Phototoxicity of TiO ₂ nanoparticles to zebrafish (<i>Danio rerio</i>) is dependent on life stage. 2013 , 32, 2139-43		24
302	Prenatal exposure to zinc oxide particles alters monoaminergic neurotransmitter levels in the brain of mouse offspring. 2013 , 38, 363-70		31
301	Effects of chemically modified nanostructured PLGA on functioning of lung and breast cancer cells. 2013 , 8, 1907-19		3
300	Potential toxicity and safety evaluation of nanomaterials for the respiratory system and lung cancer. 2013 , 4, 71-82		6
299	Effect of metal oxide nanoparticles on microbial community structure and function in two different soil types. 2013 , 8, e84441		152
298	<i>Ceriodaphnia dubia</i> as a potential bio-indicator for assessing acute aluminum oxide nanoparticle toxicity in fresh water environment. 2013 , 8, e74003		50
297	Evaluation of the effects of titanium dioxide nanoparticles on cultured <i>Rana catesbeiana</i> tailfin tissue. 2013 , 4, 251		14
296	Role of surface modification in zinc oxide nanoparticles and its toxicity assessment toward human dermal fibroblast cells. 2014 , 9, 3707-18		26
295	Transgenerational effects of NMs. 2014 , 811, 235-54		8

294	Development of drug delivery systems based on layered hydroxides for nanomedicine. 2014 , 15, 7750-86	39
293	A micro-sized model for the in vivo study of nanoparticle toxicity: what has <i>Caenorhabditis elegans</i> taught us?. 2014 , 11, 227	36
292	Acute exposure to titanium dioxide (TiO ₂) induces oxidative stress in zebrafish gill tissues. 2014 , 96, 890-905	15
291	Embryonic toxicity of nanoparticles. 2014 , 199, 1-23	30
290	Generalized estimating equation approach for analyzing the effects of metal-derived products on survival and hatching of zebrafish embryos. 2014 , 11, 353-64	1
289	Injection of ligand-free gold and silver nanoparticles into murine embryos does not impact pre-implantation development. 2014 , 5, 677-88	21
288	Enhanced toxicity of bulk titanium dioxide compared to fresh and aged nano-TiO ₂ in marine mussels (<i>Mytilus galloprovincialis</i>). <i>Nanotoxicology</i> , 2014 , 8, 549-58	5-3 106
287	Evaluation of growth and biochemical indicators of <i>Salvinia natans</i> exposed to zinc oxide nanoparticles and zinc accumulation in plants. 2014 , 21, 732-9	44
286	Toward a robust analytical method for separating trace levels of nano-materials in natural waters: cloud point extraction of nano-copper(II) oxide. 2014 , 21, 11811-22	7
285	Zinc oxide nanoparticles alter hatching and larval locomotor activity in zebrafish (<i>Danio rerio</i>). 2014 , 277, 134-40	71
284	Zebrafish as an in vivo high-throughput model for genotoxicity. 2014 , 11, 154-66	30
283	Trophic transfer potential of aluminium oxide nanoparticles using representative primary producer (<i>Chlorella ellipsoides</i>) and a primary consumer (<i>Ceriodaphnia dubia</i>). 2014 , 152, 74-81	27
282	How to consider engineered nanomaterials in major accident regulations?. 2014 , 26,	26
281	Low-cost and eco-friendly green synthesis of silver nanoparticles using <i>Feronia elephantum</i> (Rutaceae) against <i>Culex quinquefasciatus</i> , <i>Anopheles stephensi</i> , and <i>Aedes aegypti</i> (Diptera: Culicidae). 2014 , 113, 1775-85	65
280	Neurotoxicity of nanoscale materials. 2014 , 22, 147-160	103
279	Serum and ultrastructure responses of common carp (<i>Cyprinus carpio</i> L.) during long-term exposure to zinc oxide nanoparticles. 2014 , 104, 9-17	44
278	Testing Nanotoxicity: An Update of New and Traditional Methods. 2014 , 3-34	4
277	Toxicity of different-sized copper nano- and submicron particles and their shed copper ions to zebrafish embryos. 2014 , 33, 1774-82	60

276	Bioconcentration and metabolism of BDE-209 in the presence of titanium dioxide nanoparticles and impact on the thyroid endocrine system and neuronal development in zebrafish larvae. <i>Nanotoxicology</i> , 2014 , 8 Suppl 1, 196-207	5-3	71
275	ZnO nanorod composite with quenched photoactivity for UV protection application. 2014 , 121, 8-11		13
274	Mechanisms of toxic action of Ag, ZnO and CuO nanoparticles to selected ecotoxicological test organisms and mammalian cells in vitro: a comparative review. <i>Nanotoxicology</i> , 2014 , 8 Suppl 1, 57-71	5-3	247
273	Reprotoxicity of gold, silver, and gold-silver alloy nanoparticles on mammalian gametes. 2014 , 139, 931-42		121
272	Synthesis, antibacterial activity, antibacterial mechanism and food applications of ZnO nanoparticles: a review. 2014 , 31, 173-86		180
271	Toxicity assessment of TiO ₂ nanoparticles in zebrafish embryos under different exposure conditions. 2014 , 147, 129-39		106
270	Zinc oxide nanoparticles toxicity to <i>Daphnia magna</i> : size-dependent effects and dissolution. 2014 , 33, 190-8		111
269	A molecular method for assessing the effects of potential contaminants on the rate of zebrafish (<i>Danio rerio</i>) development. 2014 , 33, 238-42		4
268	Phototoxicity of TiO ₂ nanoparticles to a freshwater benthic amphipod: are benthic systems at risk?. 2014 , 466-467, 800-8		58
267	Transfer of silica-coated magnetic (Fe ₃ O ₄) nanoparticles through food: a molecular and morphological study in zebrafish. 2014 , 11, 567-79		35
266	Particle-specific toxic effects of differently shaped zinc oxide nanoparticles to zebrafish embryos (<i>Danio rerio</i>). 2014 , 33, 2859-68		76
265	Computational tool for risk assessment of nanomaterials: novel QSTR-perturbation model for simultaneous prediction of ecotoxicity and cytotoxicity of uncoated and coated nanoparticles under multiple experimental conditions. 2014 , 48, 14686-94		106
264	Effects of iron or manganese doping of ZnO nanoparticles on their dissolution, ROS generation and cytotoxicity. 2014 , 4, 26149-26157		30
263	Methods, Mechanisms and Typical Bio-Indicators of Engineered Nanoparticle Ecotoxicology: An Overview. 2014 , 42, 377-385		5
262	Impact of solar UV radiation on toxicity of ZnO nanoparticles through photocatalytic reactive oxygen species (ROS) generation and photo-induced dissolution. 2014 , 193, 165-172		91
261	Significance of physicochemical and uptake kinetics in controlling the toxicity of metallic nanomaterials to aquatic organisms. 2014 , 15, 573-592		27
260	The combined toxicological effects of titanium dioxide nanoparticles and bisphenol A on zebrafish embryos. 2014 , 9, 406		29
259	Comparative toxicity of metal oxide nanoparticles (CuO, ZnO and TiO ₂) to developing zebrafish embryos. 2014 , 16, 1		54

258	Evaluation of the toxicity of ZnO nanoparticles to <i>Chlorella vulgaris</i> by use of the chiral perturbation approach. 2014 , 406, 3689-95	42
257	A comparative ecotoxicity analysis of α and β phase aluminium oxide nanoparticles towards a freshwater bacterial isolate <i>Bacillus licheniformis</i> . 2014 , 37, 2415-23	10
256	The effect of titanium dioxide nanoparticles on antioxidant gene expression in tilapia (<i>Oreochromis niloticus</i>). 2014 , 16, 1	20
255	The effect of zinc oxide nano- and microparticles and zinc ions on freshwater organisms of different trophic levels. 2014 , 7, 88-96	14
254	Computational ecotoxicology: simultaneous prediction of ecotoxic effects of nanoparticles under different experimental conditions. 2014 , 73, 288-94	84
253	Surfactants present complex joint effects on the toxicities of metal oxide nanoparticles. 2014 , 108, 70-5	26
252	Introduction Biointeractions of Nanomaterials: Challenges and Solutions. 2014 , 1-48	4
251	The Importance of Exposure Dose in Communicating the Ecotoxicology of Engineered Nanomaterials. 2015 , 123-152	
250	Size-dependent cytotoxicity and genotoxicity of ZnO particles to human lymphoblastoid (WIL2-NS) cells. 2015 , 56, 767-76	25
249	NanoE-Tox: New and in-depth database concerning ecotoxicity of nanomaterials. 2015 , 6, 1788-804	93
248	Do Nanoparticle Physico-Chemical Properties and Developmental Exposure Window Influence Nano ZnO Embryotoxicity in <i>Xenopus laevis</i> ?. 2015 , 12, 8828-48	24
247	Comparison on the molecular response profiles between nano zinc oxide (ZnO) particles and free zinc ion using a genome-wide toxicogenomics approach. 2015 , 22, 17434-42	18
246	Ecotoxicology of Nanomaterials in Aquatic Systems. 2015 , 8, 3-45	5
245	Aquatic acute species sensitivity distributions of ZnO and CuO nanoparticles. 2015 , 526, 233-42	45
244	Effects of titanium dioxide nanoparticles on lead bioconcentration and toxicity on thyroid endocrine system and neuronal development in zebrafish larvae. 2015 , 161, 117-26	72
243	A settling curve modeling method for quantitative description of the dispersion stability of carbon nanotubes in aquatic environments. 2015 , 29, 1-10	10
242	Effects of aspect ratio (AR) and specific surface area (SSA) on cytotoxicity and phototoxicity of ZnO nanomaterials. 2015 , 124, 116-21	19
241	Vascular toxicity of ultra-small TiO ₂ nanoparticles and single walled carbon nanotubes <i>in vitro</i> and <i>in vivo</i> . 2015 , 63, 1-13	53

240	Hematological and biochemical investigations on the effect of vitamin E and C on <i>Oreochromis niloticus</i> exposed to zinc oxide nanoparticles. 2015 , 22, 556-63	56
239	Fundamentals of nanotechnology and orthopedic materials. 2015 , 1-25	1
238	Safety of nanotechnology-enhanced orthopedic materials. 2015 , 181-195	5
237	Short-term effects on antioxidant enzymes and long-term genotoxic and carcinogenic potential of CuO nanoparticles compared to bulk CuO and ionic copper in mussels <i>Mytilus galloprovincialis</i> . 2015 , 111, 107-20	55
236	Assessing the acute hazards of zinc oxide nanomaterials to <i>Lumbriculus variegatus</i> . 2015 , 24, 1372-84	3
235	Toxicity Evaluation of a New Zn-Doped CuO Nanocomposite With Highly Effective Antibacterial Properties. 2015 , 146, 16-30	26
234	Zebrafish as a possible bioindicator of organic pollutants with effects on reproduction in drinking waters. 2015 , 33, 254-60	16
233	Comparative Metal Oxide Nanoparticle Toxicity Using Embryonic Zebrafish. 2015 , 2, 702-715	90
232	Subchronic and chronic developmental effects of copper oxide (CuO) nanoparticles on <i>Xenopus laevis</i> . 2015 , 135, 166-74	52
231	Critical Review on the Toxicity of Some Widely Used Engineered Nanoparticles. 2015 , 54, 6209-6233	177
230	Toxic effects of magnesium oxide nanoparticles on early developmental and larval stages of zebrafish (<i>Danio rerio</i>). 2015 , 122, 260-7	46
229	Anti-biofilm activity of zinc oxide and hydroxyapatite nanoparticles as dental implant coating materials. 2015 , 43, 1462-9	100
228	Effects of humic acid and ionic strength on TiO ₂ nanoparticles sublethal toxicity to zebrafish. 2015 , 24, 2054-66	16
227	Reducing the cytotoxicity of ZnO nanoparticles by a pre-formed protein corona in a supplemented cell culture medium. 2015 , 5, 73963-73973	58
226	Linear and non-linear modelling of the cytotoxicity of TiO ₂ and ZnO nanoparticles by empirical descriptors. 2015 , 26, 647-65	22
225	Changes in biological parameters of freshwater animals under the impact of various crystal modifications of titanium dioxide nanoparticles. 2015 , 8, 309-318	4
224	Effect propagation after silver nanoparticle exposure in zebrafish (<i>Danio rerio</i>) embryos: a correlation to internal concentration and distribution patterns. 2015 , 2, 603-614	24
223	Evaluation of zinc oxide nanoparticles toxicity on marine algae <i>Chlorella vulgaris</i> through flow cytometric, cytotoxicity and oxidative stress analysis. 2015 , 113, 23-30	175

222	Genotoxicity, potential cytotoxicity and cell uptake of titanium dioxide nanoparticles in the marine fish <i>Trachinotus carolinus</i> (Linnaeus, 1766). 2015 , 158, 218-29	58
221	ZnO nanoparticles induced cytotoxicity on human pulmonary adenocarcinoma cell line LTP-a-2. 2015 , 93, 265-273	9
220	Effect of titanium dioxide nanoparticles on the bioavailability, metabolism, and toxicity of pentachlorophenol in zebrafish larvae. 2015 , 283, 897-904	101
219	Size dependent toxicity of zinc oxide nano-particles in soil nematode <i>Caenorhabditis elegans</i> . <i>Nanotoxicology</i> , 2015 , 9, 423-32	5-3 44
218	Aggregation and Colloidal Stability of Commercially Available Al ₂ O ₃ Nanoparticles in Aqueous Environments. 2016 , 6,	31
217	The Developmental Toxicity of Complex Silica-Embedded Nickel Nanoparticles Is Determined by Their Physicochemical Properties. 2016 , 11, e0152010	6
216	Acute toxicity and accumulation of ZnO NPs in <i>Ceriodaphnia dubia</i> : Relative contributions of dissolved ions and particles. 2016 , 177, 494-502	21
215	An Experimental and Computational Approach to the Development of ZnO Nanoparticles that are Safe by Design. 2016 , 12, 3568-77	47
214	Acute and sub-lethal exposure to copper oxide nanoparticles causes oxidative stress and teratogenicity in zebrafish embryos. 2016 , 36, 554-67	63
213	PEGylated gold nanorods as optical trackers for biomedical applications: an in vivo and in vitro comparative study. 2016 , 27, 255101	26
212	Discrimination of the effects on zebrafish reproduction from pollutants in drinking water via female, via male and/or via fecundation water. 2016 , 24, 563-7	2
211	Evaluation of the Toxicity and Antioxidant Activity of Redox Nanoparticles in Zebrafish (<i>Danio rerio</i>) Embryos. 2016 , 13, 3091-7	41
210	Suppressing the cytotoxicity of CuO nanoparticles by uptake of curcumin/BSA particles. 2016 , 8, 9572-82	24
209	Trophic transfer of nano-TiO ₂ in a paddy microcosm: A comparison of single-dose versus sequential multi-dose exposures. 2016 , 212, 316-324	32
208	Zinc oxide nanoparticles trigger cardiorespiratory stress and reduce aerobic scope in the white sucker, <i>Catostomus commersonii</i> . 2016 , 2, 29-37	14
207	Fate of TiO ₂ nanoparticles entering sewage treatment plants and bioaccumulation in fish in the receiving streams. 2016 , 3-4, 96-103	49
206	The mechanism of chronic toxicity to <i>Daphnia magna</i> induced by graphene suspended in a water column. 2016 , 3, 1405-1415	16
205	Influence of Nanotoxicity on Human Health and Environment: The Alternative Strategies. 2017 , 242, 61-104	27

204	Emerging trends in photodegradation of petrochemical wastes: a review. 2016 , 23, 22340-22364		34
203	Zebrafish: A complete animal model to enumerate the nanoparticle toxicity. 2016 , 14, 65		174
202	Assessing the toxicity and the dissolution rate of zinc oxide nanoparticles using a dual-color Escherichia coli whole-cell bioreporter. 2016 , 163, 429-437		5
201	Dissolved Organic Matter or Salts Change the Bioavailability Processes and Toxicity of the Nanoscale Tetravalent Lead Corrosion Product PbO to Medaka Fish. 2016 , 50, 11292-11301		10
200	Effects of metal-bearing nanoparticles (Ag, Au, CdS, ZnO, SiO ₂) on developing zebrafish embryos. 2016 , 27, 325102		33
199	Detrimental Effects of Zinc Oxide Nanoparticles on Amphibian Life Stages. 2016 , 325, 415-24		9
198	Efficacy of UV-C photolysis of bisphenol A on transcriptome alterations of genes in zebrafish embryos. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016 , 51, 877-83	2.3	3
197	ZnO nanoparticle tracking from uptake to genotoxic damage in human colon carcinoma cells. 2016 , 35, 169-79		49
196	A critical evaluation of the fish early-life stage toxicity test for engineered nanomaterials: experimental modifications and recommendations. 2016 , 90, 2077-2107		33
195	Evaluation of selected metal nanoparticles on hatching and survival of larvae and fry of Indian major carp, rohu (<i>Labeo rohita</i>). 2016 , 47, 498-511		7
194	Characterization and toxicology evaluation of chitosan nanoparticles on the embryonic development of zebrafish, <i>Danio rerio</i> . 2016 , 141, 204-10		46
193	Manufactured nanoparticles in the aquatic environment-biochemical responses on freshwater organisms: A critical overview. 2016 , 170, 162-174		139
192	Mechanisms of Nanoparticle Toxicity. 2016 , 295-341		3
191	An early developmental vertebrate model for nanomaterial safety: bridging cell-based and mammalian toxicity assessment. 2016 , 11, 643-56		18
190	Tissue distribution of zinc and subtle oxidative stress effects after dietary administration of ZnO nanoparticles to rainbow trout. 2016 , 551-552, 334-43		66
189	A comprehensive toxicity study of zinc oxide nanoparticles versus their bulk in Wistar rats: Toxicity study of zinc oxide nanoparticles. 2016 , 35, 1286-1304		43
188	Zinc oxide nanoparticles induce renal toxicity through reactive oxygen species. 2016 , 90, 76-83		46
187	Genotoxic effects and gene expression changes in larval zebrafish after exposure to ZnCl ₂ and ZnO nanoparticles. 2016 , 117, 205-14		22

186	Enhanced uptake of antibiotic resistance genes in the presence of nanoalumina. <i>Nanotoxicology</i> , 2016 , 10, 1051-60	5-3	44
185	Enhanced Bioconcentration of Bisphenol A in the Presence of Nano-TiO ₂ Can Lead to Adverse Reproductive Outcomes in Zebrafish. 2016 , 50, 1005-13		80
184	Growth and enzymatic activity of maize (<i>Zea mays</i> L.) plant: Solution culture test for copper dioxide nano particles. 2016 , 39, 99-115		65
183	pACC1 peptide loaded chitosan nanoparticles induces apoptosis via reduced fatty acid synthesis in MDA-MB-231 cells. 2016 , 6, 615-627		1
182	RETRACTED: Designing of carbon based fluorescent nanosea-urchin via green-synthesis approach for live cell detection of zinc oxide nanoparticle. 2017 , 91, 472-481		8
181	Poly(acrylic acid)-coated titanium dioxide nanoparticle and ultraviolet light co-exposure has minimal effect on developing zebrafish (<i>Danio rerio</i>). 2017 , 4, 658-669		12
180	Comparison of the in vitro and in vivo toxic effects of three sizes of zinc oxide (ZnO) particles using flounder gill (FG) cells and zebrafish embryos. 2017 , 16, 93-106		7
179	Amino acid-modified chitosan nanoparticles for Cu chelation to suppress CuO nanoparticle cytotoxicity. 2017 , 5, 3521-3530		13
178	Ecophysiological perspectives on engineered nanomaterial toxicity in fish and crustaceans. 2017 , 193, 30-41		20
177	Development of Redox Nanomedicine for Gastrointestinal Complications via Oral Administration Route. 2017 , 47-67		3
176	Long-term toxicity of ZnO nanoparticles to <i>Scenedesmus rubescens</i> cultivated in different media. 2017 , 7, 13454		12
175	Evaluation of nano-ZnOs as a novel Zn source for marine fish: importance of digestive physiology. <i>Nanotoxicology</i> , 2017 , 11, 1026-1039	5-3	18
174	Zinc oxide nanoparticle toxicity in embryonic zebrafish: Mitigation with different natural organic matter. 2017 , 230, 1125-1140		42
173	An experimental investigation of ignition probability of diesel fuel droplets with metal oxide nanoparticles. 2017 , 657, 79-85		14
172	Probing the toxicity of nanoparticles: a unified in silico machine learning model based on perturbation theory. <i>Nanotoxicology</i> , 2017 , 11, 891-906	5-3	64
171	Effects of silver adsorbed on fumed silica, silver phosphate glass, bentonite organomodified with silver and titanium dioxide in aquatic indicator organisms. 2017 , 56, 230-239		3
170	Implications of handling practices on the ecotoxic profile of alumina nanoparticles towards the bacteria <i>Vibrio fischeri</i> . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017 , 52, 15-22	2-3	4
169	Mechanistic insight to ROS and Apoptosis regulated cytotoxicity inferred by Green synthesized CuO nanoparticles from <i>Calotropis gigantea</i> to Embryonic Zebrafish. 2017 , 7, 16284		66

168	Self-defense of Escherichia coli against damages caused by nanoalumina. 2017 , 55, 110-117	3
167	Bionanocomposites for Food Packaging Applications. 2017 , 363-379	24
166	Natural Transformation of Zinc Oxide Nanoparticles and Their Cytotoxicity and Mutagenicity. 2017 , 2017, 1-12	4
165	Oocyte exposure to ZnO nanoparticles inhibits early embryonic development through the γ H2AX and NF- κ B signaling pathways. 2017 , 8, 42673-42692	22
164	Adverse reproductive performance in zebrafish with increased bioconcentration of microcystin-LR in the presence of titanium dioxide nanoparticles. 2018 , 5, 1208-1217	14
163	Toxicity of Metal Oxide Nanoparticles. 2018 , 1048, 99-122	23
162	Effect of metal oxide nanoparticles on the ignition characteristics of diesel fuel droplets: an experimental study. 2018 , 40, 1	3
161	Titanium dioxide nanoparticles: synthesis, characterisations and aquatic ecotoxicity effects. 2018 , 34, 288-299	21
160	Dysbiosis of gut microbiota by chronic coexposure to titanium dioxide nanoparticles and bisphenol A: Implications for host health in zebrafish. 2018 , 234, 307-317	83
159	Nanomaterial libraries and model organisms for rapid high-content analysis of nanosafety. 2018 , 5, 365-388	13
158	Predicting ZnO nanoparticle and ZnSO ₄ toxicity from zebrafish embryo gene expression. 2018 , 14, 19-26	7
157	Nitrogen-doped graphene as an alternative to ecotoxic zinc oxide in rubbers. 2018 , 135, 46116	3
156	Nanotoxicology assessment in complementary/alternative models. 2018 , 3, 72-80	4
155	Toxicological Effect of Metal Oxide Nanoparticles on Soil and Aquatic Habitats. 2018 , 75, 175-186	18
154	Environmental Nanotechnology. 2018 , 1-32	
153	Washable antimicrobial polyester/aluminum air filter with a high capture efficiency and low pressure drop. 2018 , 351, 29-37	46
152	Effects of metal oxide nanoparticles on soil enzyme activities and bacterial communities in two different soil types. 2018 , 18, 211-221	67
151	Biocompatibility assessment of titanium dioxide nanoparticles in mice fetoplacental unit. 2018 , 106, 580-589	15

150	The reproductive and developmental toxicity of nanoparticles: A bibliometric analysis. 2018 , 34, 169-177	12
149	Enhanced bio-concentration of tris(1,3-dichloro-2-propyl) phosphate in the presence of nano-TiO can lead to adverse reproductive outcomes in zebrafish. 2018 , 233, 612-622	16
148	Toxic effects of different types of zinc oxide nanoparticles on algae, plants, invertebrates, vertebrates and microorganisms. 2018 , 193, 852-860	137
147	Modelling the toxicity of a large set of metal and metal oxide nanoparticles using the OCHEM platform. 2018 , 112, 507-517	30
146	Second generation periodic table-based descriptors to encode toxicity of metal oxide nanoparticles to multiple species: QSTR modeling for exploration of toxicity mechanisms. 2018 , 5, 2742-2760	16
145	Importance and health hazards of nanoparticles used in the food industry. 2018 , 7, 623-641	46
144	Transfer and Ecotoxicity of Titanium Dioxide Nanoparticles in Terrestrial and Aquatic Ecosystems: A Microcosm Study. 2018 , 52, 12757-12764	16
143	Morphometric characteristics and time to hatch as efficacious indicators for potential nanotoxicity assay in zebrafish. 2018 , 37, 3063-3076	4
142	Nanoparticles for Heavy Metal Removal from Drinking Water. 2018 , 75-124	2
141	Environmental Nanotechnology and Education for Sustainability: Recent Progress and Perspective. 2018 , 1-27	2
140	Nanomaterial Toxicity: A Challenge to End Users. 2018 , 315-343	2
139	Toxicity of nanomaterials to biomedical applications[A review. 2018 , 439-473	2
138	Zebrafish as a Model to Evaluate Nanoparticle Toxicity. 2018 , 8,	80
137	Toxicity Evaluation of Individual and Mixtures of Nanoparticles Based on Algal Chlorophyll Content and Cell Count. 2018 , 11,	18
136	Photocatalytic Degradation of 4-Nitrophenol by C, N-TiO: Degradation Efficiency vs. Embryonic Toxicity of the Resulting Compounds. 2018 , 6, 192	36
135	Preparation and Characterization of the Magnetic Layered Double Hydroxide - DNA Delivery System. 2018 , 914, 3-10	0
134	The incorporation of modified Sb2O3 and DBDPE: A new member of high solar-reflective particles and their simultaneous application in next-generation multifunctional cool material with improved flame retardancy and lower wetting behaviour. 2018 , 172, 47-56	8
133	Cytotoxic effects of zinc oxide nanoparticles on cyanobacterium. 2018 , 6, e4682	19

132	A Review on Green Synthesis, Biomedical Applications, and Toxicity Studies of ZnO NPs. 2018 , 2018, 3569758	141
131	Bioconcentration, depuration and toxicity of Pb in the presence of titanium dioxide nanoparticles in zebrafish larvae. 2019 , 214, 105257	8
130	Study of structural and magnetic properties of hydro/solvothermally synthesized γ -Fe ₂ O ₃ nanoparticles and its toxicity assessment in zebrafish embryos. 2019 , 494, 391-400	10
129	Transcriptomic profile change, immunological response and disease resistance of <i>Oreochromis niloticus</i> fed with conventional and Nano-Zinc oxide dietary supplements. 2019 , 93, 336-343	22
128	Interactive effects between components in binary mixtures of zinc sulfate and iron oxide nanoparticles on <i>Daphnia magna</i> . 2019 , 15, 315-323	3
127	Comparative Analysis of the Developmental Toxicity in <i>Xenopus laevis</i> and <i>Danio rerio</i> Induced by Al ₂ O ₃ Nanoparticle Exposure. 2019 , 38, 2672-2681	9
126	Nanomaterials meet zebrafish: Toxicity evaluation and drug delivery applications. 2019 , 311-312, 301-318	49
125	Toxicity of TiO ₂ , SiO ₂ , ZnO, CuO, Au and Ag engineered nanoparticles on hatching and early nauplii of sp. 2019 , 6, e6138	12
124	Novel pectin isolated from <i>Spirulina maxima</i> enhances the disease resistance and immune responses in zebrafish against <i>Edwardsiella piscicida</i> and <i>Aeromonas hydrophila</i> . 2019 , 94, 558-565	14
123	Nanoparticles at biointerfaces: Antibacterial activity and nanotoxicology. 2019 , 184, 110550	24
122	Effects of aluminium and cadmium on hatching and swimming ability in developing zebrafish. 2019 , 222, 243-249	37
121	Self-Organized Arrays of SnO ₂ Microplates with Photocatalytic and Antimicrobial Properties. 2019 , 2019, 3171-3179	4
120	Biocompatibility Assessment of Nanomaterials Using Zebra Fish as a Model. 2019 , 217-234	1
119	Lycopene and resveratrol ameliorate zinc oxide nanoparticles-induced oxidative stress in Nile tilapia, <i>Oreochromis niloticus</i> . 2019 , 69, 44-50	112
118	Entrapment of TiO ₂ and ZnO powders in alginate beads: Photocatalytic and reuse efficiencies for dye solutions and toxicity effect for DNA damage. 2019 , 14, 100358	18
117	Ferrocene-containing amphiphilic polynorbornenes as biocompatible drug carriers. 2019 , 10, 2527-2539	22
116	Toxic Effects of TiO ₂ NPs on Zebrafish. 2019 , 16,	28
115	Green synthesis and characterization of titanium dioxide nanoparticles (TiO ₂ NPs) using <i>Sesbania grandiflora</i> and evaluation of toxicity in zebrafish embryos. 2019 , 80, 197-202	68

114	Nanomaterials: Potential Ecological Uses and Effects. 2019 , 541-550	1
113	Sustainable Nanostructured Materials in Food Packaging. 2019 , 171-213	9
112	Biological Visual Detection for Advanced Photocatalytic Oxidation toward Pesticide Detoxification. 2019 , 4, 19655-19663	3
111	Effect of Maternal Exposure to Zinc Oxide Nanoparticles on Reflexive Motor Behaviors in Mice Offspring. 2019 , 25, 1049-1056	5
110	Haemato-immunological studies in ZnO and TiO nanoparticles exposed euryhaline fish, <i>Oreochromis mossambicus</i> . 2019 , 66, 55-61	4
109	A review of inorganic UV filters zinc oxide and titanium dioxide. 2019 , 35, 442-446	89
108	TiO nanoparticles and BPA are combined to impair the development of offspring zebrafish after parental coexposure. 2019 , 217, 732-741	17
107	Nanoparticle-Induced Ecotoxicological Risks in Aquatic Environments: Concepts and Controversies. 2019 , 129-141	3
106	Comparative ecotoxicity assessment of magnetosomes and magnetite nanoparticles. 2020 , 30, 13-25	6
105	Chronic exposure to copper oxide nanoparticles causes muscle toxicity in adult zebrafish. 2020 , 27, 27358-27369	6
104	Toxicological study of metal and metal oxide nanoparticles in zebrafish. 2020 , 40, 37-63	67
103	Assessment of Oxidative Stress on <i>Artemia salina</i> and <i>Daphnia magna</i> After Exposure to Zn and ZnO Nanoparticles. 2020 , 104, 206-214	8
102	Evaluation of the Effects of Particle Sizes of Silver Nanoparticles on Various Biological Systems. 2020 , 21,	6
101	Green Emitting Ce ³⁺ / Tb ³⁺ -Doped BaF ₂ Nanocrystals and Their Impact on Skeletal Muscle of Developing Zebrafish Larvae. 2020 , 5, 9105-9110	2
100	Comparative Effects of Particle Sizes of Cobalt Nanoparticles to Nine Biological Activities. 2020 , 21,	4
99	Influence of NOM on the Stability of Zinc Oxide Nanoparticles in Ecotoxicity Tests. 2020 , 10, 6431	3
98	Green synthesis of gold nanoparticles using extracellular metabolites of fish gut microbes and their antimicrobial properties. 2020 , 51, 957-967	7
97	Assessment of the Toxic Effect of Zinc Ions and Nano-Sized Zinc Oxide on the Early Development of the Sand Dollar <i>Scaphechinus mirabilis</i> (Agassiz, 1864) (Echinodermata: Echinoidea). 2020 , 46, 49-55	1

96	Inhibition of sulfate-reducing bacteria influenced corrosion on hydrophobic poly(dimethylsiloxane) coatings. 2020 , 52, 198-206	9
95	A Review on Antibacterial Properties of Biologically Synthesized Zinc Oxide Nanostructures. 2020 , 30, 2815-2826	35
94	Waterborne hygienic coatings based on self-crosslinking acrylic latex with embedded inorganic nanoparticles: a comparison of nanostructured ZnO and MgO as antibacterial additives. 2020 , 147, 105704	9
93	Nanoparticles induced embryo-fetal toxicity. 2020 , 36, 181-213	8
92	How to Assess Nanomaterial Toxicity? An Environmental and Human Health Approach. 2020 ,	3
91	Waterborne Exposure of Adult Sand Dollar, <i>Scaphechinus Mirabilis</i> (Agassiz, 1864), to Zinc Ions and Zinc Oxide Nanoparticles Affects Early Development of its Offspring. 2020 , 231, 1	3
90	. 2020 ,	3
89	Transcriptome alterations and genotoxic influences in zebrafish larvae after exposure to dissolved aluminum and aluminum oxide nanoparticles. 2020 , 30, 546-554	1
88	Toxicity of TiO ₂ Nanoparticles. 2020 , 67-103	6
87	Pectin purified from pomelo (<i>Citrus maxima</i>) peel as a natural hatching agent for fish embryos. 2020 , 51, 3109-3118	0
86	Size matters: Zebrafish (<i>Danio rerio</i>) as a model to study toxicity of nanoplastics from cells to the whole organism. 2021 , 268, 115769	32
85	Anti-pathogenic activity of graphene nanomaterials: A review. 2021 , 199, 111509	20
84	Enzymatic response of <i>Moina macrocopa</i> to different sized zinc oxide particles: An aquatic metal toxicology study. 2021 , 194, 110609	4
83	Metal Oxide Nanoparticle Toxicity in Aquatic Organisms: An Overview of Methods and Mechanisms. 2021 , 123-161	1
82	Zinc nanostructures: Detection and elimination of toxigenic fungi and mycotoxins. 2021 , 403-430	
81	Impact of zinc nanoparticles on aquatic ecosystems: Risks and benefits. 2021 , 433-456	
80	Leveraging Nanotechnology in Cosmeceuticals: Formulation, Characterisation, Regulatory Status and Toxicity. 2021 , 411-456	1
79	Nanonutrients: Plant Nutritive and Possible Antioxidant Regulators. 2021 , 471-498	

78	Sufficiency and toxicity limits of metallic oxide nanoparticles in the biosphere. 2021 , 145-221	2
77	Characterization and physicochemical properties of nanomaterials. 2021 , 97-121	1
76	Evaluation of Nanotoxicity Using Zebrafish: Preclinical Model. 2021 , 173-197	1
75	Toxicity of gamma aluminium oxide nanoparticles in the Mediterranean mussel (<i>Mytilus galloprovincialis</i>): histopathological alterations and antioxidant responses in the gill and digestive gland. 2021 , 26, 248-259	2
74	Toxicity of abrasive nanoparticles (SiO ₂ , CeO ₂ , and Al ₂ O ₃) on <i>Aliivibrio fischeri</i> and human bronchial epithelial cells (16HBE14o-). 2021 , 23, 1	2
73	Comparisons of the Effect of Different Metal Oxide Nanoparticles on the Root and Shoot Growth under Shaking and Non-Shaking Incubation, Different Plants, and Binary Mixture Conditions. 2021 , 11,	0
72	Novel Applications of Nanoparticles in Nature and Building Materials.	1
71	Impacts of nanoparticles and phosphonates in the behavior and oxidative status of the mediterranean mussels (<i>Mytilus galloprovincialis</i>). 2021 , 28, 6365-6374	1
70	Toxicity of Zinc Oxide Nanoparticles on the Embryo of Javanese Medaka (<i>Gambusia affinis holbrooki</i> , Bleeker, 1854): A Comparative Study. 2021 , 11,	1
69	Zebrafish: A Promising Real-Time Model System for Nanotechnology-Mediated Neurospecific Drug Delivery. 2021 , 16, 135	1
68	Integrated high-throughput small RNA and transcriptome sequencing unveil the shape-dependent toxicity of nano-alumina in rat astrocytes. 2021 , 33,	
67	Nanoparticles in Construction Industry and Their Toxicity. 2022 , 133-146	
66	Overview on toxicity of nanoparticles, its mechanism, models used in toxicity studies and disposal methods [A review]. 2021 , 36, 102117	10
65	Sorption of Coated and Uncoated Nanocrystalline Zinc Oxide from Aqueous Solutions onto Raw and Acetylated Cellulose Sago Hampas: Equilibrium, Kinetic and Thermodynamic Studies. 411, 37-54	1
64	Uptake, Biodistribution, and Mechanisms of Toxicity of Metal-Containing Nanoparticles in Aquatic Invertebrates and Vertebrates. 2022 , 227-263	1
63	Evaluation of the hair cell regeneration and claudin b and phoenix gene expression during exposure to low concentrations of cadmium and zinc in early developing zebrafish larvae. 2021 , 248, 109116	1
62	Nanotechnology: A next-generation tool for sustainable aquaculture. <i>Aquaculture</i> , 2022 , 546, 737330	4.4 12
61	Toxicology of Engineered Metal Nanoparticles.	3

60	Effects of TiO nanoparticles on the life-table parameters, antioxidant indices, and swimming speed of the freshwater rotifer <i>Brachionus calyciflorus</i> . 2020 , 333, 230-239	6
59	Ecotoxicity of Nanomaterials in Aquatic Environment. 2020 , 351-377	3
58	Designing Novel Photocatalysts for Disinfection of Multidrug-Resistant Waterborne Bacteria. 2020 , 441-476	1
57	Nanotoxicity of Nanobiomaterials in Ocular System and Its Evaluation. 2016 , 495-533	2
56	Potential Environmental and Human Health Impacts of Nanomaterials Used in the Construction Industry. 2009 , 1-14	5
55	Ecotoxicology of Engineered Nanoparticles. 2010 , 183-205	8
54	Nanomaterials in Civil Engineering. 2013 , 1039-1062	2
53	Nano-TiO enhanced bioaccumulation and developmental neurotoxicity of bisphenol a in zebrafish larvae. 2020 , 187, 109682	10
52	Toxicity of TiO ₂ , SiO ₂ , ZnO, CuO, Au and Ag engineered nanoparticles on hatching and early nauplii of <i>Artemia</i> sp..	1
51	Nanoparticles for Fuel Cell Applications. 2016 , 167-190	1
50	Toxic effects of silica nanoparticles on zebrafish embryos and larvae. 2013 , 8, e74606	132
49	Developmental Toxicity of Zinc Oxide Nanoparticles to Zebrafish (<i>Danio rerio</i>): A Transcriptomic Analysis. 2016 , 11, e0160763	55
48	QSAR-Based Studies of Nanomaterials in the Environment. 2017 , 1504-1532	1
47	Removal of ZnO Nanoparticles in Aqueous Phase and Its Ecotoxicity Reduction. 2016 , 22, 89-95	1
46	Ecofriendly Zinc Oxide-Decorated Poly-3-hydroxyalkanoate-graft-Poly-Methyl Acrylate Copolymer Film for Photocatalysis-Mediated Water Treatment. 1	1
45	Selenium and Zinc Oxide Multinutrient Supplementation Enhanced Growth Performance in Zebra Fish by Modulating Oxidative Stress and Growth-Related Gene Expression. 2021 , 9, 721717	4
44	Exposure of Metal Oxide Nanoparticles on the Bioluminescence Process of and Recombinant Strains. 2021 , 11,	0
43	Developmental titanium dioxide nanoparticle exposure induces oxidative stress and neurobehavioral changes in zebrafish. 2021 , 240, 105990	2

42	Toxicological Models Part B: Environmental Models. 2011 , 379-396	
41	Ecotoxicity Studies of Photoactive Nanoparticles Exposed to Ultraviolet Light. 2012 , 34, 63-71	1
40	Relevance of Nanotechnology to Africa: Synthesis, Applications, and Safety. 2013 , 123-158	0
39	Regulatory Implications of Nanotechnology. 2014 , 334-365	0
38	QSAR-Based Studies of Nanomaterials in the Environment. 2015 , 506-534	
37	QSAR-Based Studies of Nanomaterials in the Environment. 2017 , 1339-1366	1
36	Environmental Nanotechnology. 2019 , 2159-2189	
35	Environmental Nanotechnology and Education for Sustainability: Recent Progress and Perspective. 2019 , 2205-2231	
34	Dietary Nano-ZnO Is Absorbed via Endocytosis and ZIP Pathways, Upregulates Lipogenesis, and Induces Lipotoxicity in the Intestine of Yellow Catfish. 2021 , 22,	1
33	Artemia salina: A microcrustacean to assess engineered nanoparticles toxicity. 2021 , 84, 531-536	3
32	EFFECT OF COPPER OXIDE NANOPARTICLES TO SHEEPSHEAD MINNOW () AT DIFFERENT SALINITIES. 2014 , 9, 369-377	9
31	Assessment of toxicity in the freshwater tadpole Polypedates maculatus exposed to silver and zinc oxide nanoparticles: A multi-biomarker approach.. 2022 , 293, 133511	4
30	Effects of nano-TiO on the bioavailability and toxicity of bis(2-ethylhexyl)-2,3,4,5-tetrabromophthalate (TBPH) in developing zebrafish.. 2022 , 133862	0
29	Effects of Metal Oxide Nanoparticles in Zebrafish.. 2022 , 2022, 3313016	1
28	Application of Nanotechnology for Abiotic Stress Management in Aquaculture. 2021 , 211-229	
27	Toxicological impact of titanium dioxide nanoparticles and food-grade titanium dioxide (E171) on human and environmental health.	2
26	Safety evaluation of zinc oxide microparticles on Drosophila melanization pathway. 2022 ,	
25	A New Look at the Effects of Engineered ZnO and TiO Nanoparticles: Evidence from Transcriptomics Studies.. 2022 , 12,	1

- 24 Data_Sheet_1.docx. **2018**,
- 23 Importance of nanomaterials in water purification. **2022**, 13-36
- 22 Biomorphic Synthesis of Nanosized Zinc Oxide for Water Purification. **2022**, 401-432
- 21 Green and chemical synthesis of CuO nanoparticles: A comparative study for several in vitro bioactivities and in vivo toxicity in zebrafish embryos. **2022**, 102092 2
- 20 Environmental and health impacts of polymer nanocomposites. **2022**, 547-570
- 19 Nanoemulsion of Sideroxylon obtusifolium as an Alternative to Combat Schistosomiasis. *Frontiers in Plant Science*, **2022**, 13, 6.2
- 18 Nanoparticle nutraceuticals in aquaculture: A recent advances. *Aquaculture*, **2022**, 560, 738494 4.4
- 17 Zinc Oxide Nanoparticles Induce DNA Damage in Sand Dollar *Scaphechinus mirabilis* Sperm. *Toxics*, **2022**, 10, 348 4.7 0
- 16 Transgenic zebrafish larvae as a non-rodent alternative model to assess pro-inflammatory (neutrophil) responses to nanomaterials. *Nanotoxicology*, 1-22 5.3 0
- 15 Zinc Oxide Nanoparticles (ZnO-NPs) Suppress Fertility by Activating Autophagy, Apoptosis, and Oxidative Stress in the Developing Oocytes of Female Zebrafish. **2022**, 11, 1567 2
- 14 Toxicity Analysis of Nano-Minimum Quantity Lubrication Machining—A Review. **2022**, 10, 176 2
- 13 Toxicokinetics and toxicodynamics of plastic and metallic nanoparticles: A comparative study in shrimp. **2022**, 312, 120069 0
- 12 Environmental impacts due to the use of sunscreen products: a mini-review. 1
- 11 Influence of Metal Oxide Nanoparticles as Antimicrobial Additives Embedded in Waterborne Coating Binders Based on Self-Crosslinking Acrylic Latex. **2022**, 12, 1445 0
- 10 Potential role of dietary parsley and/or parsley nanoparticles against zinc oxide nanoparticles toxicity induced physiological, and histological alterations in Nile tilapia, *Oreochromis niloticus*. **2023**, 28, 101425 0
- 9 Investigation of the effects of metal oxide nanoparticle mixtures on *Danio rerio* and *Xenopus laevis* embryos. 1-20 0
- 8 Effect of Silver nanoparticles exposure on oxidative stress in blue swimmer crab (*Portunus pelagicus*). 0
- 7 Metal and metal oxide nanoparticle toxicity: moving towards a more holistic structure-activity approach. 1

- 6 Toxicological effects of pure and amine-functionalized ZnO nanorods on *Daphnia magna* and *Lactuca sativa*. **2023**, 10, 1190-1207 ○
- 5 Comparison of ZnO doped different phases TiO₂ nanoparticles in terms of toxicity using zebrafish (*Danio rerio*). **2023**, 325, 138342 ○
- 4 Zn-Al layered double hydroxides induce embryo malformations and impair locomotion behavior in *Danio rerio*. **2023**, 30, 100457 ○
- 3 Depolymerization of PET wastes catalysed by Sn and Ag doped ZnO nanoparticles and evaluation of Embryonic Toxicity using Zebrafish. ○
- 2 Biosynthesized ZnO-NPs Using Sea Cucumber (*Holothuria impatiens*): Antimicrobial Potential, Insecticidal Activity and In Vivo Toxicity in Nile Tilapia Fish, *Oreochromis niloticus*. **2023**, 10, 173 ○
- 1 Effects of carnosine on the embryonic development and TiO₂ nanoparticles-induced oxidative stress on Zebrafish. 10, ○