Awadhesh N Jha

List of Publications by Year
in descending order

118 papers	7,360 citations	71004 43 h-index	64407 83 g-index
121 all docs	121 docs citations	121 times ranked	9244 citing authors

#	Article	IF	Citations
1	From tangled banks to toxic bunnies; a reflection on the issues involved in developing an ecosystem approach for environmental radiation protection. International Journal of Radiation Biology, 2022, 98, 1185-1200.	1.0	17
2	Genotoxicity evaluation of medical devices: A regulatory perspective. Mutation Research - Reviews in Mutation Research, 2022, 789, 108407.	2.4	1
3	Bioaccumulation, release and genotoxicity of stainless steel particles in marine bivalve molluscs. Chemosphere, 2022, 303, 134914.	4.2	4
4	Antagonistic cytoprotective effects of C60 fullerene nanoparticles in simultaneous exposure to benzo[a]pyrene in a molluscan animal model. Science of the Total Environment, 2021, 755, 142355.	3.9	11
5	Impacts of microplastic fibres on the marine mussel, Mytilus galloprovinciallis. Chemosphere, 2021, 262, 128290.	4.2	58
6	Effects of fullerene C60 in blue mussels: Role of mTOR in autophagy related cellular/tissue alterations. Chemosphere, 2020, 246, 125707.	4.2	14
7	Assessing relative biomarker responses in marine and freshwater bivalve molluscs following exposure to phosphorus 32 (32P): Application of genotoxicological and molecular biomarkers. Journal of Environmental Radioactivity, 2020, 213, 106120.	0.9	4
8	Evaluation of interactive effects of phosphorus-32 and copper on marine and freshwater bivalve mollusks. International Journal of Radiation Biology, 2020, , 1-14.	1.0	0
9	Metabolomics effects of nanomaterials. , 2020, , 259-281.		4
10	A 3D In Vitro Model of the Human Airway Epithelium Exposed to Tritiated Water: Dosimetric Estimate and Cytotoxic Effects. Radiation Research, 2020, 195, 265-274.	0.7	3
11	Antagonistic Interactions between Benzo[a]pyrene and Fullerene (C60) in Toxicological Response of Marine Mussels. Nanomaterials, 2019, 9, 987.	1.9	20
12	Erythrocytes nuclear abnormalities and leukocyte profile of the immune system of AdÃ©lie penguins (Pygoscelis adeliae) breeding at Edmonson Point, Ross Sea, Antarctica. Polar Biology, 2019, 42, 1343-1352.	0.5	4
13	An integrated approach to determine interactive genotoxic and global gene expression effects of multiwalled carbon nanotubes (MWCNTs) and benzo[a]pyrene (BaP) on marine mussels: evidence of reverse â€˜Trojan Horseâ€™ effects. Nanotoxicology, 2019, 13, 1324-1343.	1.6	9
14	Assessing relative sensitivity of marine and freshwater bivalves following exposure to copper: Application of classical and novel genotoxicological biomarkers. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 842, 60-71.	0.9	17
15	Assessing the impact of low level laser therapy (LLLT) on biological systems: a review. International Journal of Radiation Biology, 2019, 95, 120-143.	1.0	128
16	Mixtures of tritiated water, zinc and dissolved organic carbon: Assessing interactive bioaccumulation and genotoxic effects in marine mussels, Mytilus galloprovincialis. Journal of Environmental Radioactivity, 2018, 187, 133-143.	0.9	17
17	Establishment and long-term maintenance of primary intestinal epithelial cells cultured from the rainbow trout,Oncorhynchus mykiss. Biology Open, 2018, 7, .	0.6	10
18	Application of a new targeted low density microarray and conventional biomarkers to evaluate the health status of marine mussels: A field study in Sardinian coast, Italy. Science of the Total Environment, 2018, 628-629, 319-328.	3.9	15

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19	An integrated approach to assess the impacts of zinc pyrithione at different levels of biological organization in marine mussels. Chemosphere, 2018, 196, 531-539.	4.2	15
20	Assessing the impact of benzo[a]pyrene with the in vitro fish gut model: An integrated approach for eco-genotoxicological studies. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2018, 826, 53-64.	0.9	13
21	Role of mTOR in autophagic and lysosomal reactions to environmental stressors in molluscs. Aquatic Toxicology, 2018, 195, 114-128.	1.9	37
22	Baseline screening for the presence of antimicrobial resistance in E. coli isolated from Kuwait's marine environment. Marine Pollution Bulletin, 2018, 129, 893-898.	2.3	30
23	Transformation of C60 fullerene aggregates suspended and weathered under realistic environmental conditions. Carbon, 2018, 128, 54-62.	5.4	26
24	Spheroid Size Does not Impact Metabolism of the Î²-blocker Propranolol in 3D Intestinal Fish Model. Frontiers in Pharmacology, 2018, 9, 947.	1.6	8
25	Photoâ€stimulatory effect of LLLT on the proliferation rate of human monocytic leukaemia cells. IET Nanobiotechnology, 2018, 12, 175-181.	1.9	0
26	Relative comparison of tissue specific bioaccumulation and radiation dose estimation in marine and freshwater bivalve molluscs following exposure to phosphorus-32. Journal of Environmental Radioactivity, 2018, 192, 312-320.	0.9	8
27	Application of the rainbow trout derived intestinal cell line (RTgutGC) for ecotoxicological studies: molecular and cellular responses following exposure to copper. Ecotoxicology, 2017, 26, 1117-1133.	1.1	26
28	Investigations to extend viability of a rainbow trout primary gill cell culture. Ecotoxicology, 2017, 26, 1314-1326.	1.1	8
29	Integrated biological responses and tissue-specific expression ofp53andrasgenes in marine mussels following exposure to benzo(Î±)pyrene and C₆₀fullerenes, either alone or in combination. Mutagenesis, 2017, 32, 77-90.	1.0	33
30	Professor Adayapalam Tyagarajan Natarajan (1928â€“2017): a tribute. Mutagenesis, 2017, 32, 545-546.	1.0	1
31	Pharmaceutical Metabolism in Fish: Using a 3-D Hepatic In Vitro Model to Assess Clearance. PLoS ONE, 2017, 12, e0168837.	1.1	44
32	Assessing the impact of Benzo[a]pyrene on Marine Mussels: Application of a novel targeted low density microarray complementing classical biomarker responses. PLoS ONE, 2017, 12, e0178460.	1.1	53
33	Evaluation of the Genotoxic and Physiological Effects of Decabromodiphenyl Ether (BDE-209) and Dechlorane Plus (DP) Flame Retardants in Marine Mussels (Mytilus galloprovincialis). Environmental Science & Technology, 2016, 50, 2700-2708.	4.6	31
34	BRCA1 deficiency increases the sensitivity of ovarian cancer cells to auranofin. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2016, 784-785, 8-15.	0.4	23
35	Exposure to tritiated water at an elevated temperature: Genotoxic and transcriptomic effects in marine mussels (M. galloprovincialis). Journal of Environmental Radioactivity, 2016, 164, 325-336.	0.9	20
36	Linking genotoxicity and cytotoxicity with membrane fluidity: A comparative study in ovarian cancer cell lines following exposure to auranofin. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2016, 809, 43-49.	0.9	9

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37	Diamondoid naphthenic acids cause in vivo genetic damage in gills and haemocytes of marine mussels. Environmental Science and Pollution Research, 2016, 23, 7060-7066.	2.7	15
38	Radiation dose estimation for marine mussels following exposure to tritium: Best practice for use of the ERICA tool in ecotoxicological studies. Journal of Environmental Radioactivity, 2016, 155-156, 1-6.	0.9	13
39	Direct Measurements of Oxygen Gradients in Spheroid Culture System Using Electron Parametric Resonance Oximetry. PLoS ONE, 2016, 11, e0149492.	1.1	63
40	The English Channel and its catchments: Status and responses to contaminants. Marine Pollution Bulletin, 2015, 95, 523-528.	2.3	3
41	Assessment of growth, genotoxic responses and expression of stress related genes in the Pacific oyster Crassostrea gigas following chronic exposure to ionizing radiation. Marine Pollution Bulletin, 2015, 95, 688-698.	2.3	17
42	Applications of biological tools or biomarkers in aquatic biota: A case study of the Tamar estuary, South West England. Marine Pollution Bulletin, 2015, 95, 618-633.	2.3	23
43	Historic and contemporary contamination in the marine environment of Kuwait: An overview. Marine Pollution Bulletin, 2015, 100, 621-628.	2.3	48
44	Assessment of oxidative damage to DNA, transcriptional expression of key genes, lipid peroxidation and histopathological changes in carp Cyprinus carpio L. following exposure to chronic hypoxic and subsequent recovery in normoxic conditions. Mutagenesis, 2015, 30, 107-116.	1.0	39
45	The future of nuclear safety: vital role of geoscientists?. Renewable and Sustainable Energy Reviews, 2015, 43, 239-243.	8.2	6
46	Preface: environmental radioactivity: implications for human and environmental health. Journal of Environmental Radioactivity, 2014, 133, 1-4.	0.9	0
47	Enhanced toxicity of â€˜bulk' titanium dioxide compared to â€˜fresh' and â€˜aged' nano-TiO₂in marine mussels (Mytilus galloprovincialis). Nanotoxicology, 2014, 8, 549-558.	1.6	115
48	Natural gas from shale formation â€“ The evolution, evidences and challenges of shale gas revolution in United States. Renewable and Sustainable Energy Reviews, 2014, 30, 1-28.	8.2	590
49	Emerging risks from ballast water treatment: The run-up to the International Ballast Water Management Convention. Chemosphere, 2014, 112, 256-266.	4.2	108
50	Changes in expression profiles of genes associated with DNA repair following induction of DNA damage in larval zebrafish Danio rerio. Mutagenesis, 2013, 28, 601-608.	1.0	19
51	Effects of glyphosate-based herbicides on embryo-larval development and metamorphosis in the Pacific oyster, Crassostrea gigas. Aquatic Toxicology, 2013, 128-129, 67-78.	1.9	71
52	Cobalt-induced genotoxicity in male zebrafish (Danio rerio), with implications for reproduction and expression of DNA repair genes. Aquatic Toxicology, 2013, 126, 224-230.	1.9	39
53	Oxidative DNA damage may not mediate Ni-induced genotoxicity in marine mussels: Assessment of genotoxic biomarkers and transcriptional responses of key stress genes. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 754, 22-31.	0.9	48
54	Relative sensitivity of two marine bivalves for detection of genotoxic and cytotoxic effects: a field assessment in the Tamar Estuary, South West England. Environmental Monitoring and Assessment, 2013, 185, 3397-3412.	1.3	25

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55	Assessment of <scp>DNA</scp> damage in sperm after repeated nonâ€invasive sampling in zebrafish Danio rerio. Journal of Fish Biology, 2013, 82, 1074-1081.	0.7	16
56	The use of cyprinodont fish, Aphanius fasciatus, as a sentinel organism to detect complex genotoxic mixtures in the coastal lagoon ecosystem. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 742, 31-36.	0.9	18
57	Merging nano-genotoxicology with eco-genotoxicology: An integrated approach to determine interactive genotoxic and sub-lethal toxic effects of C60 fullerenes and fluoranthene in marine mussels, Mytilus sp.. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 745, 92-103.	0.9	84
58	Assessing the Impact of Ionizing Radiation on Aquatic Invertebrates: A Critical Review. Radiation Research, 2012, 177, 693-716.	0.7	67
59	The Effect of Dietary Organic Chromium on Specific Growth Rate, Tissue Chromium Concentrations, Enzyme Activities and Histology in Common Carp, Cyprinus carpio L.. Biological Trace Element Research, 2012, 149, 362-370.	1.9	15
60	Towards a more representative in vitro method for fish ecotoxicology: morphological and biochemical characterisation of three-dimensional spheroidal hepatocytes. Ecotoxicology, 2012, 21, 2419-2429.	1.1	41
61	Practical considerations for conducting ecotoxicity test methods with manufactured nanomaterials: what have we learnt so far?. Ecotoxicology, 2012, 21, 933-972.	1.1	175
62	The Efficacy of Chromium as a Growth Enhancer for Mirror Carp (Cyprinus carpio L): An Integrated Study Using Biochemical, Genetic, and Histological Responses. Biological Trace Element Research, 2012, 148, 187-197.	1.9	22
63	Determination of hypoxia and dietary copper mediated sub-lethal toxicity in carp, Cyprinus carpio, at different levels of biological organisation. Chemosphere, 2012, 87, 413-422.	4.2	53
64	Tissue-specific assimilation, depuration and toxicity of nickel in Mytilus edulis. Environmental Pollution, 2012, 162, 406-412.	3.7	24
65	Ionizing radiation-induced DNA damage response identified in marine mussels, Mytilus sp.. Environmental Pollution, 2012, 168, 107-112.	3.7	29
66	Tissue-Specific Expression of p53 and ras Genes in Response to the Environmental Genotoxicant Benzo(Î±)pyrene in Marine Mussels. Environmental Science & Technology, 2011, 45, 8974-8981.	4.6	49
67	A multiple biomarker approach to investigate the effects of copper on the marine bivalve mollusc, Mytilus edulis. Ecotoxicology and Environmental Safety, 2011, 74, 1913-1920.	2.9	94
68	Photoexcitation of Aqueous Suspensions of Titanium Dioxide Nanoparticles: An Electron Spin Resonance Spin Trapping Study of Potentially Oxidative Reactions. Photochemistry and Photobiology, 2011, 87, 632-640.	1.3	41
69	Uptake, depuration, and radiation dose estimation in zebrafish exposed to radionuclides via aqueous or dietary routes. Science of the Total Environment, 2011, 409, 3771-3779.	3.9	23
70	Metal speciation and toxicity of Tamar Estuary water to larvae of the Pacific oyster, Crassostrea gigas. Marine Environmental Research, 2011, 72, 3-12.	1.1	11
71	Tissue-specific incorporation and genotoxicity of different forms of tritium in the marine mussel, Mytilus edulis. Environmental Pollution, 2011, 159, 274-280.	3.7	48
72	Stabilization of Engineered Zero-Valent Nanoiron with Na-Acrylic Copolymer Enhances Spermiotoxicity. Environmental Science & Technology, 2011, 45, 3245-3251.	4.6	71

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73	Relative sensitivity of fish and mammalian cells to the antibiotic, trimethoprim: cytotoxic and genotoxic responses as determined by neutral red retention, Comet and micronucleus assays. Ecotoxicology, 2011, 20, 208-217.	1.1	39
74	Hypoxia-induced oxidative DNA damage links with higher level biological effects including specific growth rate in common carp, Cyprinus carpio L.. Ecotoxicology, 2011, 20, 1455-1466.	1.1	67
75	Uptake and biological responses to nano-Fe versus soluble FeCl3 in excised mussel gills. Analytical and Bioanalytical Chemistry, 2010, 396, 657-666.	1.9	50
76	Bioavailability of co-supplemented organic and inorganic zinc and selenium sources in a white fishmeal-based rainbow trout (Oncorhynchus mykiss) diet. Journal of Animal Physiology and Animal Nutrition, 2010, 94, 99-110.	1.0	87
77	Titanium dioxide induced cell damage: A proposed role of the carboxyl radical. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2009, 660, 79-82.	0.4	39
78	Comet Assay measurements: a perspective. Cell Biology and Toxicology, 2009, 25, 53-64.	2.4	290
79	Contamination of bivalve haemolymph samples by adductor muscle components: implications for biomarker studies. Ecotoxicology, 2009, 18, 334-342.	1.1	24
80	Supra-nutritional dietary intake of selenite and selenium yeast in normal and stressed rainbow trout (Oncorhynchus mykiss): Implications on selenium status and health responses. Aquaculture, 2009, 295, 282-291.	1.7	141
81	Measurements of the genotoxic potential of (xeno-)oestrogens in the bivalve mollusc Scrobicularia plana, using the Comet assay. Aquatic Toxicology, 2009, 94, 8-15.	1.9	35
82	Linking genotoxic responses with cytotoxic and behavioural or physiological consequences: Differential sensitivity of echinoderms (Asterias rubens) and marine molluscs (Mytilus edulis). Aquatic Toxicology, 2009, 94, 68-76.	1.9	90
83	Genotoxic and cytotoxic potential of titanium dioxide (TiO2) nanoparticles on fish cells in vitro. Ecotoxicology, 2008, 17, 410-420.	1.1	224
84	Ecotoxicological applications and significance of the comet assay. Mutagenesis, 2008, 23, 207-221.	1.0	410
85	Hydroxyl radicals (OH) are associated with titanium dioxide (TiO2) nanoparticle-induced cytotoxicity and oxidative DNA damage in fish cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2008, 640, 113-122.	0.4	390
86	Protective effects of selenium on mercury-induced DNA damage in mussel haemocytes. Aquatic Toxicology, 2007, 84, 11-18.	1.9	73
87	Development of the in vivo chromosome aberration assay in oyster (Crassostrea gigas) embryoâ€“larvae for genotoxicity assessment. Marine Environmental Research, 2006, 62, S278-S282.	1.1	8
88	Are low doses of tritium genotoxic to Mytilus edulis?. Marine Environmental Research, 2006, 62, S297-S300.	1.1	19
89	An evaluation of the relative sensitivity of two marine bivalve mollusc species using the Comet assay. Marine Environmental Research, 2006, 62, S301-S305.	1.1	35
90	Reliable Comet assay measurements for detecting DNA damage induced by ionising radiation and chemicals. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2006, 605, 7-16.	0.9	438

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91	The random amplified polymorphic DNA (RAPD) assay and related techniques applied to genotoxicity and carcinogenesis studies: A critical review. Mutation Research - Reviews in Mutation Research, 2006, 613, 76-102.	2.4	264
92	Impact of low doses of tritium on the marine mussel, Mytilus edulis: Genotoxic effects and tissue-specific bioconcentration. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2005, 586, 47-57.	0.9	119
93	Genotoxic, cytotoxic, developmental and survival effects of tritiated water in the early life stages of the marine mollusc, Mytilus edulis. Aquatic Toxicology, 2005, 74, 205-217.	1.9	81
94	VARIATION OF KARYOTYPE COMPOSITION AND GENOME SIZE IN SOME MURICID GASTROPODS FROM THE NORTHERN HEMISPHERE. Journal of Molluscan Studies, 2004, 70, 389-398.	0.4	16
95	The random amplified polymorphic DNA (RAPD) assay to determine DNA alterations, repair and transgenerational effects in B(a)P exposed Daphnia magna. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2004, 552, 125-140.	0.4	53
96	Genotoxicological studies in aquatic organisms: an overview. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2004, 552, 1-17.	0.4	185
97	Relative sensitivity of fish and mammalian cells to sodium arsenate and arsenite as determined by alkaline single-cell gel electrophoresis and cytokinesis-block micronucleus assay. Environmental and Molecular Mutagenesis, 2004, 44, 83-89.	0.9	74
98	Marine invertebrate eco-genotoxicology: a methodological overview. Mutagenesis, 2002, 17, 495-507.	1.0	177
99	Use of the random amplif|ed polymorphic DNA (RAPD) assay for the detection of DNA damage and mutations: possible implications of confounding factors. Biomarkers, 2002, 7, 94-101.	0.9	27
100	Evaluation of the random amplified polymorphic DNA (RAPD) assay for the detection of DNA damage and mutations. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2002, 521, 151-163.	0.9	148
101	Genotoxic, cytotoxic and ontogenetic effects of tri-n-butyltin on the marine worm, Platynereis dumerilii (Polychaeta: Nereidae). Aquatic Toxicology, 2002, 57, 243-255.	1.9	55
102	Fitness Parameters and DNA Effects Are Sensitive Indicators of Copper-Induced Toxicity in Daphnia magna. Toxicological Sciences, 2001, 59, 241-250.	1.4	70
103	Tributyltin induces cytogenetic damage in the early life stages of the marine mussel,Mytilus edulis. Environmental and Molecular Mutagenesis, 2000, 35, 343-350.	0.9	43
104	Optimized RAPD Analysis Generates High-Quality Genomic DNA Profiles at High Annealing Temperature. BioTechniques, 2000, 28, 52-54.	0.8	39
105	Genotoxic, cytotoxic and developmental effects of tributyltin oxide (TBTO): an integrated approach to the evaluation of the relative sensitivities of two marine species. Marine Environmental Research, 2000, 50, 565-573.	1.1	38
106	Comparison of ultraviolet-induced genotoxicity detected by random amplified polymorphic DNA with chlorophyll fluorescence and growth in a marine macroalgae, Palmaria palmata. Aquatic Toxicology, 2000, 50, 1-12.	1.9	150
107	Detection of genotoxins in the marine environment: adoption and evaluation of an integrated approach using the embryoâ€“larval stages of the marine mussel, Mytilus edulis. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 464, 213-228.	0.9	60
108	Tributyltin induces cytogenetic damage in the early life stages of the marine mussel, Mytilus edulis. Environmental and Molecular Mutagenesis, 2000, 35, 343-50.	0.9	1

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109	Qualitative assessment of genotoxicity using random amplified polymorphic DNA: Comparison of genomic template stability with key fitness parameters in Daphnia magna exposed to benzo[a]pyrene. Environmental Toxicology and Chemistry, 1999, 18, 2275-2282.	2.2	174
110	Assessment of developmental effects, cytotoxicity and genotoxicity in the marine polychaete (Platynereis dumerilii) exposed to disinfected municipal sewage effluent. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1998, 399, 97-108.	0.4	26
111	Application of the arbitrarily primed polymerase chain reaction for the detection of DNA damage. Marine Environmental Research, 1998, 46, 331-335.	1.1	18
112	Evaluation of the genotoxicity of municipal sewage effluent using the marine worm Platynereis dumerilii (Polychaeta: Nereidae). Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1997, 391, 179-188.	0.9	23
113	Development of an in vivo genotoxicity assay using the marine worm Platynereis dumerilii (Polychaeta:) Tj ETQq1 1 0.784314 rgBT /Ov Methodology, 1996, 359, 141-150.	0.4	36
114	Localization of a vertebrate telomeric sequence in the chromosomes of two marine worms (phylum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	20
115	Mimosine is a potent clastogen in primary and transformed hamster fibroblasts but not in primary or transformed human lymphocytes. Mutagenesis, 1995, 10, 385-391.	1.0	17
116	The Polychaete Platynereis dumerilii (Audouin and Milne-Edwards): A New Species for Assessing the Hazardous Potential of Chemicals in the Marine Environment. Ecotoxicology and Environmental Safety, 1995, 31, 271-281.	2.9	35
117	Ionizing radiation induced DNA lesions which lead to chromosomal aberrations. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1993, 299, 297-303.	1.2	30
118	Enhanced frequency of chromosome aberrations in workers occupationally exposed to diagnostic X-rays. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1991, 260, 343-348.	1.2	63