

List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3916427/anu-kumar-publications-by-citations.pdf>  
**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. 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.

84 papers	2,585 citations	27 h-index	48 g-index
84 ext. papers	3,095 ext. citations	6.2 avg, IF	5.35 L-index

#	Paper	IF	Citations
84	Benchmarking organic micropollutants in wastewater, recycled water and drinking water with in vitro bioassays. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 1940-56	10.3	295
83	Impact of Microplastic Beads and Fibers on Waterflea ( <i>Ceriodaphnia dubia</i> ) Survival, Growth, and Reproduction: Implications of Single and Mixture Exposures. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 13397-13406	10.3	186
82	Pharmaceuticals and personal care products (PPCPs) in Australia's largest inland sewage treatment plant, and its contribution to a major Australian river during high and low flow. <i>Science of the Total Environment</i> , <b>2016</b> , 541, 1625-1637	10.2	156
81	A review of the fate of potassium in the soil-plant system after land application of wastewaters. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 164, 415-22	12.8	147
80	Environmentally relevant concentrations of polyethylene microplastics negatively impact the survival, growth and emergence of sediment-dwelling invertebrates. <i>Environmental Pollution</i> , <b>2018</b> , 236, 425-431	9.3	125
79	Occurrence and implications of estrogens and xenoestrogens in sewage effluents and receiving waters from South East Queensland. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 5147-55	10.2	107
78	Fate of estrogens and xenoestrogens in four sewage treatment plants with different technologies. <i>Environmental Toxicology and Chemistry</i> , <b>2008</b> , 27, 87-94	3.8	103
77	Toxicity of copper, lead, and zinc mixtures to <i>Ceriodaphnia dubia</i> and <i>Daphnia carinata</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2009</b> , 72, 1523-8	7	96
76	Microplastics in municipal mixed-waste organic outputs induce minimal short to long-term toxicity in key terrestrial biota. <i>Environmental Pollution</i> , <b>2019</b> , 252, 522-531	9.3	91
75	Removal of carbamazepine in aqueous solutions through solar photolysis of free available chlorine. <i>Water Research</i> , <b>2016</b> , 100, 413-420	12.5	62
74	Assessing the Ecological Risks of Per- and Polyfluoroalkyl Substances: Current State-of-the Science and a Proposed Path Forward. <i>Environmental Toxicology and Chemistry</i> , <b>2021</b> , 40, 564-605	3.8	51
73	Oxidation of ciprofloxacin and enrofloxacin by ferrate(VI): Products identification, and toxicity evaluation. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 320, 296-303	12.8	50
72	Assessment of multiple hormonal activities in wastewater at different stages of treatment. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 2297-307	3.8	49
71	Ecological evidence links adverse biological effects to pesticide and metal contamination in an urban Australian watershed. <i>Journal of Applied Ecology</i> , <b>2014</b> , 51, 426-439	5.8	44
70	Vitellogenin induction by 17 $\beta$ -estradiol and 17 $\beta$ -ethynylestradiol in male Murray rainbowfish ( <i>Melanotaenia fluviatilis</i> ). <i>Environmental Toxicology and Chemistry</i> , <b>2011</b> , 30, 2620-7	3.8	41
69	The impacts of modern-use pesticides on shrimp aquaculture: An assessment for north eastern Australia. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 148, 770-780	7	41
68	Toxicity of selected pesticides to freshwater shrimp, <i>Paratya australiensis</i> (Decapoda: Atyidae): use of time series acute toxicity data to predict chronic lethality. <i>Ecotoxicology and Environmental Safety</i> , <b>2010</b> , 73, 360-9	7	39

67	Response and recovery of acetylcholinesterase activity in freshwater shrimp, <i>Paratya australiensis</i> (Decapoda: Atyidae) exposed to selected anti-cholinesterase insecticides. <i>Ecotoxicology and Environmental Safety</i> , <b>2010</b> , 73, 1503-10	7	33
66	Recommended approaches to the scientific evaluation of ecotoxicological hazards and risks of endocrine-active substances. <i>Integrated Environmental Assessment and Management</i> , <b>2017</b> , 13, 267-279	2.5	32
65	Di-n-butyl phthalate causes estrogenic effects in adult male Murray rainbowfish ( <i>Melanotaenia fluviatilis</i> ). <i>Aquatic Toxicology</i> , <b>2014</b> , 149, 103-15	5.1	32
64	Bioconcentration of triclosan and methyl-triclosan in marine mussels ( <i>Mytilus galloprovincialis</i> ) under laboratory conditions and in metropolitan waters of Gulf St Vincent, South Australia. <i>Marine Pollution Bulletin</i> , <b>2013</b> , 74, 66-72	6.7	31
63	. <i>Environmental Toxicology and Chemistry</i> , <b>1998</b> , 17, 1799	3.8	30
62	Effects of polyethylene microplastics on the acute toxicity of a synthetic pyrethroid to midge larvae ( <i>Chironomus tepperi</i> ) in synthetic and river water. <i>Science of the Total Environment</i> , <b>2019</b> , 671, 971-975	10.2	29
61	Nortestosterone-derived synthetic progestogens do not activate the progestogen receptor of Murray-Darling rainbowfish ( <i>Melanotaenia fluviatilis</i> ) but are potent agonists of androgen receptors alpha and beta. <i>Aquatic Toxicology</i> , <b>2015</b> , 163, 97-101	5.1	29
60	Estrogen mediated effects in the Sydney rock oyster, <i>Saccostrea glomerata</i> , following field exposures to sewage effluent containing estrogenic compounds and activity. <i>Aquatic Toxicology</i> , <b>2012</b> , 120-121, 99-108	5.1	27
59	Acute toxicity of mixtures of chlorpyrifos, profenofos, and endosulfan to <i>Ceriodaphnia dubia</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2002</b> , 68, 801-8	2.7	27
58	Role of piperonyl butoxide in the toxicity of chlorpyrifos to <i>Ceriodaphnia dubia</i> and <i>Xenopus laevis</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2004</b> , 57, 202-12	7	27
57	Incorporating Transgenerational Epigenetic Inheritance into Ecological Risk Assessment Frameworks. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 9433-9445	10.3	26
56	Modeling of steroid estrogen contamination in UK and South Australian rivers predicts modest increases in concentrations in the future. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 7224-32	10.3	25
55	Nature of the clay - cation bond affects soil structure as verified by X-ray computed tomography. <i>Soil Research</i> , <b>2012</b> , 50, 638	1.8	24
54	Characterisation of microcontaminants in Darwin Harbour, a tropical estuary of northern Australia undergoing rapid development. <i>Science of the Total Environment</i> , <b>2015</b> , 536, 639-647	10.2	23
53	Profenofos residues in wild fish from cotton-growing areas of New South Wales, Australia. <i>Journal of Environmental Quality</i> , <b>2001</b> , 30, 740-50	3.4	23
52	Environmental pollution affects molecular and biochemical responses during gonadal maturation of <i>Astyanax fasciatus</i> (Teleostei: Characiformes: Characidae). <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 147, 926-934	7	22
51	Tracking multiple modes of endocrine activity in Australia's largest inland sewage treatment plant and effluent- receiving environment using a panel of in vitro bioassays. <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 2271-81	3.8	22
50	Effects of the commercial antiandrogen flutamide on the biomarkers of reproduction in male Murray rainbowfish ( <i>Melanotaenia fluviatilis</i> ). <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 1098-107	3.8	22

49	Comparative study on the toxicity of pyrethroids, Ecypermethrin and deltamethrin to <i>Ceriodaphnia dubia</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2012</b> , 78, 9-13	7	22
48	Population-relevant endpoints in the evaluation of endocrine-active substances (EAS) for ecotoxicological hazard and risk assessment. <i>Integrated Environmental Assessment and Management</i> , <b>2017</b> , 13, 317-330	2.5	21
47	Sorptive remediation of perfluorooctanoic acid (PFOA) using mixed mineral and graphene/carbon-based materials. <i>Environmental Chemistry</i> , <b>2018</b> , 15, 472	3.2	21
46	Toxicological assessment of pesticides used in the Pagsanjan-Lumban catchment to selected non-target aquatic organisms in Laguna Lake, Philippines. <i>Agricultural Water Management</i> , <b>2012</b> , 106, 42-49	5.9	19
45	Localisation of estrogen responsive genes in the liver and testis of Murray rainbowfish <i>Melanotaenia fluviatilis</i> exposed to 17beta-estradiol. <i>Molecular and Cellular Endocrinology</i> , <b>2009</b> , 303, 57-66	4.4	19
44	Di-n-butyl phthalate causes antiestrogenic effects in female Murray rainbowfish ( <i>Melanotaenia fluviatilis</i> ). <i>Environmental Toxicology and Chemistry</i> , <b>2013</b> , 32, 2335-44	3.8	16
43	Derivation of water quality guidelines for priority pharmaceuticals. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 1815-24	3.8	16
42	Ecotoxicology of manufactured graphene oxide nanomaterials and derivation of preliminary guideline values for freshwater environments. <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 1340-1348	3.8	15
41	Differential ligand selectivity of androgen receptors $\alpha$ and $\beta$ from Murray-Darling rainbowfish ( <i>Melanotaenia fluviatilis</i> ). <i>General and Comparative Endocrinology</i> , <b>2015</b> , 212, 84-91	3	15
40	The use of multiple tracers for tracking wastewater discharges in freshwater systems. <i>Environmental Monitoring and Assessment</i> , <b>2013</b> , 185, 9321-32	3.1	15
39	Binary combinations of organophosphorus and synthetic pyrethroids are more potent acetylcholinesterase inhibitors than organophosphorus and carbamate mixtures: An in vitro assessment. <i>Toxicology Letters</i> , <b>2017</b> , 268, 8-16	4.4	14
38	Cytotoxicity of binary mixtures of human pharmaceuticals in a fish cell line: approaches for non-monotonic concentration-response relationships. <i>Chemosphere</i> , <b>2014</b> , 108, 334-42	8.4	14
37	Assessing multigenerational effects of prednisolone to the freshwater snail, <i>Physa acuta</i> (Gastropoda: Physidae). <i>Journal of Hazardous Materials</i> , <b>2017</b> , 339, 281-291	12.8	14
36	Risks of Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) for Sustainable Water Recycling via Aquifers. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 1737	3	12
35	No evidence of exposure to environmental estrogens in two feral fish species sampled from the Yarra River, Australia: A comparison with Northern Hemisphere studies. <i>Ecotoxicology and Environmental Safety</i> , <b>2016</b> , 131, 104-17	7	11
34	Effects of copper on the survival, hatching, and reproduction of a pulmonate snail ( <i>Physa acuta</i> ). <i>Chemosphere</i> , <b>2017</b> , 185, 1208-1216	8.4	11
33	Binary combinations of organophosphorus pesticides exhibit differential toxicity under oxidised and un-oxidised conditions. <i>Ecotoxicology and Environmental Safety</i> , <b>2015</b> , 115, 93-100	7	11
32	Bioelectrochemical systems for environmental remediation of estrogens: A review and way forward. <i>Science of the Total Environment</i> , <b>2021</b> , 780, 146544	10.2	11

31	Integrated assessment of wastewater treatment plant effluent estrogenicity in the Upper Murray River, Australia, using the native Murray rainbowfish ( <i>Melanotaenia fluviatilis</i> ). <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 1078-87	3.8	10
30	Potential ecological risks of metal(loid)s in riverine floodplain soils. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 164, 722-731	7	10
29	Long-term exposures to di-n-butyl phthalate inhibit body growth and impair gonad development in juvenile Murray rainbowfish ( <i>Melanotaenia fluviatilis</i> ). <i>Journal of Applied Toxicology</i> , <b>2015</b> , 35, 806-16	4.1	9
28	Effects of short-term exposure to the model anti-androgen, flutamide on reproductive function based endpoints in female Murray rainbowfish ( <i>Melanotaenia fluviatilis</i> ). <i>Ecotoxicology and Environmental Safety</i> , <b>2014</b> , 109, 143-51	7	9
27	Fate of indicator endocrine disrupting chemicals in sewage during treatment and polishing for non-potable reuse. <i>Water Science and Technology</i> , <b>2010</b> , 62, 1416-23	2.2	8
26	Nucleotide sequence, tissue expression patterns and phylogenetic analysis of estrogen receptor one mRNA in the Murray rainbowfish ( <i>Melanotaenia fluviatilis</i> ) (Atheriniformes, Actinopterygii). <i>General and Comparative Endocrinology</i> , <b>2010</b> , 166, 529-36	3	8
25	In Vitro nuclear receptor inhibition and cytotoxicity of hydraulic fracturing chemicals and their binary mixtures. <i>Chemosphere</i> , <b>2018</b> , 198, 565-573	8.4	7
24	Does anti-androgen, flutamide cancel out the in vivo effects of the androgen, dihydrotestosterone on sexual development in juvenile Murray rainbowfish ( <i>Melanotaenia fluviatilis</i> )?. <i>Aquatic Toxicology</i> , <b>2016</b> , 170, 72-80	5.1	7
23	Combined toxicity of therapeutic pharmaceuticals to duckweed, <i>Lemna minor</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 208, 111428	7	7
22	Multigenerational effects of two glucocorticoids (prednisolone and dexamethasone) on life-history parameters of crustacean <i>Ceriodaphnia dubia</i> (Cladocera). <i>Environmental Pollution</i> , <b>2017</b> , 225, 569-578	9.3	6
21	De novo assembly and analysis of changes in the protein-coding transcriptome of the freshwater shrimp <i>Paratya australiensis</i> (Decapoda: Atyidae) in response to acid sulfate drainage water. <i>BMC Genomics</i> , <b>2016</b> , 17, 890	4.5	6
20	Potential carcinogenic and non-carcinogenic health hazards of metal(loid)s in food grains. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 17032-17042	5.1	5
19	Co-treatment with the non-steroidal anti-androgen drug, flutamide and the natural estrogen, 17 $\beta$ -Estradiol does not lead to additive reproductive impairment in juvenile Murray rainbowfish ( <i>Melanotaenia fluviatilis</i> ). <i>Journal of Applied Toxicology</i> , <b>2015</b> , 35, 1241-53	4.1	5
18	Translocation of pharmaceuticals from wastewater into beehives. <i>Environment International</i> , <b>2020</b> , 134, 105248	12.9	5
17	Prednisolone impairs embryonic and posthatching development and shell formation of the freshwater snail, <i>Physa acuta</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 2339-48	3.8	5
16	In vitro nuclear receptor activity and in vivo gene expression analysis in Murray-Darling rainbowfish ( <i>Melanotaenia fluviatilis</i> ) after short-term exposure to fluoxetine. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2016</b> , 188, 1-8	3.2	5
15	2019-2020 Bushfire impacts on sediment and contaminant transport following rainfall in the Upper Murray River catchment. <i>Integrated Environmental Assessment and Management</i> , <b>2021</b> , 17, 1203-1214	2.5	5
14	. <i>Environmental Toxicology and Chemistry</i> , <b>1994</b> , 13, 1861	3.8	4

13	Managed Aquifer Recharge at a Farm Level: Evaluating the Performance of Direct Well Recharge Structures. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1069	3	3
12	A bacterium-based contact assay for evaluating the quality of solid samples-Results from an international ring-test. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 352, 139-147	12.8	3
11	Mixed-Mode Remediation of Cadmium and Arsenate Ions Using Graphene-Based Materials. <i>Clean - Soil, Air, Water</i> , <b>2018</b> , 46, 1800073	1.6	3
10	Effects of thiobencarb in combinations with molinate and chlorpyrifos on selected soil microbial processes. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2009</b> , 44, 226-34	2.2	3
9	Identification of Putative Nuclear Receptors and Steroidogenic Enzymes in Murray-Darling Rainbowfish ( <i>Melanotaenia fluviatilis</i> ) Using RNA-Seq and De Novo Transcriptome Assembly. <i>PLoS ONE</i> , <b>2015</b> , 10, e0142636	3.7	2
8	Addressing challenges in providing a reliable ecotoxicology data for graphene-oxide (GO) using an algae ( <i>Raphidocelis subcapitata</i> ), and the trophic transfer consequence of GO-algae aggregates. <i>Chemosphere</i> , <b>2020</b> , 245, 125640	8.4	2
7	Using bioanalytical tools to detect and track organic micropollutants in the Ganga River near two major cities. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 404, 124135	12.8	2
6	Aquatic Phytotoxicity to <i>Lemna minor</i> of Three Commonly Used Drugs of Addiction in Australia. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2019</b> , 103, 710-716	2.7	1
5	Toxicity assessment of gold ions and gold nanoparticles to golden perch larvae ( <i>Macquaria ambigua</i> ). <i>Mineralogical Magazine</i> , <b>2021</b> , 85, 94-104	1.7	1
4	Mixture toxicity assessment of selected insecticides to silver perch fingerling, <i>Bidyanus bidyanus</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 226, 112790	7	0
3	Biodegradation of synthetic estrogen using bioelectrochemical system and degradation pathway analysis through Quadrupole-time-of-flight-mass spectrometry.. <i>Bioresource Technology</i> , <b>2022</b> , 349, 126857	11.1	0
2	The authorsTreply. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 2395-2396	3.8	
1	Sediment spiking and equilibration procedures to achieve partitioning of uranium similar to contamination in tropical wetlands near a mine-site.. <i>Environmental Pollution</i> , <b>2021</b> , 295, 118673	9.3	