

# Farhan R Khan

## List of Publications by Year in Descending Order

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

57  
papers

2,187  
citations

26  
h-index

46  
g-index

59  
ext. papers

2,737  
ext. citations

6.7  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
57	Plastic pollution in marine and freshwater environments: abundance, sources, and mitigation <b>2022</b> , 241-274		3
56	Plastic Pollution, Waste Management Issues, and Circular Economy Opportunities in Rural Communities. <i>Sustainability</i> , <b>2022</b> , 14, 20	3.6	9
55	Marine plastic debris in the Arabian/Persian Gulf: Challenges, opportunities and recommendations from a transdisciplinary perspective. <i>Marine Policy</i> , <b>2022</b> , 136, 104909	3.5	1
54	Pollutants Bioavailability and Toxicological Risk from Microplastics <b>2022</b> , 697-736		
53	Histomorphological Damage in the Small Intestine of Wami Tilapia ( <i>Oreochromis urolepis</i> ) (Norman, 1922) Exposed to Microplastics Remain Long after Depuration. <i>Microplastics</i> , <b>2022</b> , 1, 240-253		0
52	Demonstrating the translocation of nanoplastics across the fish intestine using palladium-doped polystyrene in a salmon gut-sac. <i>Environment International</i> , <b>2021</b> , 159, 106994	12.9	8
51	Tire wear particle and leachate exposures from a pristine and road-worn tire to <i>Hyaella azteca</i> : Comparison of chemical content and biological effects. <i>Aquatic Toxicology</i> , <b>2021</b> , 232, 105769	5.1	17
50	Microplastics in wastewater outlets of Bandar Abbas city (Iran): A potential point source of microplastics into the Persian Gulf. <i>Chemosphere</i> , <b>2021</b> , 262, 128039	8.4	31
49	Pollutants Bioavailability and Toxicological Risk from Microplastics <b>2021</b> , 1-40		0
48	Time: A Key Driver of Uncertainty When Assessing the Risk of Environmental Plastics to Human Health. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 12766-12769	10.3	2
47	A Brief Perspective on Environmental Science in the Anthropocene: Recalibrating, Rethinking and Re-Evaluating to Meet the Challenge of Complexity. <i>Environments - MDPI</i> , <b>2021</b> , 8, 98	3.2	
46	The Plastic Nile—First Evidence of Microplastic Contamination in Fish from the Nile River (Cairo, Egypt). <i>Toxics</i> , <b>2020</b> , 8,	4.7	24
45	Sorption of PCBs to environmental plastic pollution in the North Atlantic Ocean: Importance of size and polymer type. <i>Case Studies in Chemical and Environmental Engineering</i> , <b>2020</b> , 2, 100062	7.5	5
44	Ecotoxicology of micronized tire rubber: Past, present and future considerations. <i>Science of the Total Environment</i> , <b>2020</b> , 706, 135694	10.2	49
43	Microplastics in beach sediments and cockles ( <i>Anadara antiquata</i> ) along the Tanzanian coastline. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2020</b> , 105, 513-521	2.7	9
42	A nationwide assessment of plastic pollution in the Danish realm using citizen science. <i>Scientific Reports</i> , <b>2020</b> , 10, 17773	4.9	17
41	Effects of combined exposures of fluoranthene and polyethylene or polyhydroxybutyrate microplastics on oxidative stress biomarkers in the blue mussel ( <i>Mytilus</i> ). <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2019</b> , 82, 616-625	3.2	53

40	Acute and long-term toxicity of micronized car tire wear particles to <i>Hyaella azteca</i> . <i>Aquatic Toxicology</i> , <b>2019</b> , 213, 105216	5.1	38
39	Abundance of microplastics in the gastrointestinal tracts of the eelpout ( <i>Zoacres viviparous</i> L.) collected in Roskilde Fjord, Denmark: Implications for use as a monitoring species under the Marine Strategy Framework Directive. <i>Regional Studies in Marine Science</i> , <b>2019</b> , 32, 100900	1.5	5
38	Microplastics in the Digestive Tracts of Four Fish Species from the Ciñaga Grande de Santa Marta Estuary in Colombia. <i>Water, Air, and Soil Pollution</i> , <b>2019</b> , 230, 1	2.6	23
37	Collection of Anthropogenic Litter from the Shores of Lake Malawi: Characterization of Plastic Debris and the Implications of Public Involvement in the African Great Lakes. <i>Toxics</i> , <b>2019</b> , 7,	4.7	5
36	Microplastics in Inland African Waters: Presence, Sources, and Fate. <i>Handbook of Environmental Chemistry</i> , <b>2018</b> , 101-124	0.8	14
35	Considerations on the use of equilibrium models for the characterisation of HOC-microplastic interactions in vector studies. <i>Chemosphere</i> , <b>2018</b> , 210, 359-365	8.4	39
34	Risk Perception of Plastic Pollution: Importance of Stakeholder Involvement and Citizen Science. <i>Handbook of Environmental Chemistry</i> , <b>2018</b> , 203-221	0.8	21
33	Ecotoxicology in the Anthropocene: Are We Listening to Nature's Scream?. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 10227-10229	10.3	5
32	Single contaminant and combined exposures of polyethylene microplastics and fluoranthene: accumulation and oxidative stress response in the blue mussel, <i>Mytilus edulis</i> . <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2018</b> , 81, 761-773	3.2	67
31	Freshwater plastic pollution: Recognizing research biases and identifying knowledge gaps. <i>Water Research</i> , <b>2018</b> , 143, 416-424	12.5	254
30	Are Standardized Test Guidelines Adequate for Assessing Waterborne Particulate Contaminants?. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 1948-1950	10.3	8
29	The Role of Laboratory Experiments in the Validation of Field Data. <i>Comprehensive Analytical Chemistry</i> , <b>2017</b> , 75, 241-273	1.9	5
28	Do polyethylene microplastic beads alter the intestinal uptake of Ag in rainbow trout ( <i>Oncorhynchus mykiss</i> )? Analysis of the MP vector effect using in vitro gut sacs. <i>Environmental Pollution</i> , <b>2017</b> , 231, 200-206	9.3	40
27	Microplastic potentiates triclosan toxicity to the marine copepod <i>Acartia tonsa</i> (Dana). <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2017</b> , 80, 1369-1371	3.2	57
26	Copper in the sediment: a major stressor for eelgrass, <i>Zostera marina</i> L.. <i>Hydrobiologia</i> , <b>2017</b> , 788, 143-155	15.4	6
25	Plastic debris and microplastics along the beaches of the Strait of Hormuz, Persian Gulf. <i>Marine Pollution Bulletin</i> , <b>2017</b> , 114, 1057-1062	6.7	111
24	Trophic transfer of metal-based nanoparticles in aquatic environments: a review and recommendations for future research focus. <i>Environmental Science: Nano</i> , <b>2016</b> , 3, 966-981	7.1	67
23	Potential human health risk assessment of trace metals via the consumption of marine fish in Persian Gulf. <i>Marine Pollution Bulletin</i> , <b>2016</b> , 109, 667-671	6.7	27

22	Caddisflies <i>Hydropsyche</i> spp. as biomonitors of trace metal bioavailability thresholds causing disturbance in freshwater stream benthic communities. <i>Environmental Pollution</i> , <b>2016</b> , 216, 793-805	9.3	19
21	First evidence of microplastics in the African Great Lakes: Recovery from Lake Victoria Nile perch and Nile tilapia. <i>Journal of Great Lakes Research</i> , <b>2016</b> , 42, 146-149	3	157
20	Bioaccumulation of arsenic and silver by the caddisfly larvae <i>Hydropsyche siltalai</i> and <i>H. pellucidula</i> : a biodynamic modeling approach. <i>Aquatic Toxicology</i> , <b>2015</b> , 161, 196-207	5.1	18
19	Accumulation dynamics and acute toxicity of silver nanoparticles to <i>Daphnia magna</i> and <i>Lumbriculus variegatus</i> : implications for metal modeling approaches. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 4389-97	10.3	68
18	Influence of polyethylene microplastic beads on the uptake and localization of silver in zebrafish ( <i>Danio rerio</i> ). <i>Environmental Pollution</i> , <b>2015</b> , 206, 73-9	9.3	154
17	STEM teaching: avoid Swiss-cheese effect. <i>Nature</i> , <b>2015</b> , 524, 161	50.4	
16	Characterisation of bioaccumulation dynamics of three differently coated silver nanoparticles and aqueous silver in a simple freshwater food chain. <i>Environmental Chemistry</i> , <b>2015</b> , 12, 662	3.2	42
15	Inhibition of potential uptake pathways for silver nanoparticles in the estuarine snail <i>Peringia ulvae</i> . <i>Nanotoxicology</i> , <b>2015</b> , 9, 493-501	5.3	39
14	Bioaccumulation and oxidative stress responses measured in the estuarine ragworm ( <i>Nereis diversicolor</i> ) exposed to dissolved, nano- and bulk-sized silver. <i>Environmental Pollution</i> , <b>2015</b> , 198, 32-40	9.3	34
13	Microplastics: addressing ecological risk through lessons learned. <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 945-53	3.8	180
12	In vivo retention of ingested Au NPs by <i>Daphnia magna</i> : no evidence for trans-epithelial alimentary uptake. <i>Chemosphere</i> , <b>2014</b> , 100, 97-104	8.4	53
11	Bioavailability and Bioaccumulation of Metal-Based Engineered Nanomaterials in Aquatic Environments. <i>Frontiers of Nanoscience</i> , <b>2014</b> , 157-193	0.7	20
10	Stable isotope tracer to determine uptake and efflux dynamics of ZnO Nano- and bulk particles and dissolved Zn to an estuarine snail. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 8532-9	10.3	39
9	Zn-stimulated mucus secretion in the rainbow trout ( <i>Oncorhynchus mykiss</i> ) intestine inhibits Cd accumulation and Cd-induced lipid peroxidation. <i>Aquatic Toxicology</i> , <b>2013</b> , 142-143, 17-25	5.1	18
8	Dietary bioavailability of cadmium presented to the gastropod <i>Peringia ulvae</i> as quantum dots and in ionic form. <i>Environmental Toxicology and Chemistry</i> , <b>2013</b> , 32, 2621-9	3.8	9
7	Application of Biotic Ligand and Toxic Unit modeling approaches to predict improvements in zooplankton species richness in smelter-damaged lakes near Sudbury, Ontario. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 1641-9	10.3	31
6	Copper and zinc detoxification in <i>Gammarus pulex</i> (L.). <i>Journal of Experimental Biology</i> , <b>2012</b> , 215, 822-33		16
5	Bioaccumulation dynamics and modeling in an estuarine invertebrate following aqueous exposure to nanosized and dissolved silver. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 7621-8	10.3	68

4	Differential tolerance of two <i>Gammarus pulex</i> populations transplanted from different metallogenic regions to a polymetal gradient. <i>Aquatic Toxicology</i> , <b>2011</b> , 102, 95-103	5.1	46
3	Cellular internalization of silver nanoparticles in gut epithelia of the estuarine polychaete <i>Nereis diversicolor</i> . <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 4630-6	10.3	118
2	Cadmium bound to metal rich granules and exoskeleton from <i>Gammarus pulex</i> causes increased gut lipid peroxidation in zebrafish following single dietary exposure. <i>Aquatic Toxicology</i> , <b>2010</b> , 96, 124-9	5.1	28
1	Differential uptake and oxidative stress response in zebrafish fed a single dose of the principal copper and zinc enriched sub-cellular fractions of <i>Gammarus pulex</i> . <i>Aquatic Toxicology</i> , <b>2010</b> , 99, 466-72	5.1	9