Farhan R Khan

List of Publications by Citations

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	Freshwater plastic pollution: Recognizing research biases and identifying knowledge gaps. *Water Research*, **2018**, 143, 416-424	12.5	254
56	Microplastics: addressing ecological risk through lessons learned. *Environmental Toxicology and Chemistry*, **2015**, 34, 945-53	3.8	180
55	First evidence of microplastics in the African Great Lakes: Recovery from Lake Victoria Nile perch and Nile tilapia. *Journal of Great Lakes Research*, **2016**, 42, 146-149	3	157
54	Influence of polyethylene microplastic beads on the uptake and localization of silver in zebrafish (Danio rerio). *Environmental Pollution*, **2015**, 206, 73-9	9.3	154
53	Cellular internalization of silver nanoparticles in gut epithelia of the estuarine polychaete Nereis diversicolor. *Environmental Science & Technology*, **2011**, 45, 4630-6	10.3	118
52	Plastic debris and microplastics along the beaches of the Strait of Hormuz, Persian Gulf. *Marine Pollution Bulletin*, **2017**, 114, 1057-1062	6.7	111
51	Accumulation dynamics and acute toxicity of silver nanoparticles to Daphnia magna and Lumbriculus variegatus: implications for metal modeling approaches. *Environmental Science & Technology*, **2015**, 49, 4389-97	10.3	68
50	Bioaccumulation dynamics and modeling in an estuarine invertebrate following aqueous exposure to nanosized and dissolved silver. *Environmental Science & Technology*, **2012**, 46, 7621-8	10.3	68
49	Trophic transfer of metal-based nanoparticles in aquatic environments: a review and recommendations for future research focus. *Environmental Science: Nano*, **2016**, 3, 966-981	7.1	67
48	Single contaminant and combined exposures of polyethylene microplastics and fluoranthene: accumulation and oxidative stress response in the blue mussel, Mytilus edulis. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2018**, 81, 761-773	3.2	67
47	Microplastic potentiates triclosan toxicity to the marine copepod Acartia tonsa (Dana). *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2017**, 80, 1369-1371	3.2	57
46	Effects of combined exposures of fluoranthene and polyethylene or polyhydroxybutyrate microplastics on oxidative stress biomarkers in the blue mussel (). *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2019**, 82, 616-625	3.2	53
45	In vivo retention of ingested Au NPs by Daphnia magna: no evidence for trans-epithelial alimentary uptake. *Chemosphere*, **2014**, 100, 97-104	8.4	53
44	Ecotoxicology of micronized tire rubber: Past, present and future considerations. *Science of the Total Environment*, **2020**, 706, 135694	10.2	49
43	Differential tolerance of two Gammarus pulex populations transplanted from different metallogenic regions to a polymetal gradient. *Aquatic Toxicology*, **2011**, 102, 95-103	5.1	46
42	Characterisation of bioaccumulation dynamics of three differently coated silver nanoparticles and aqueous silver in a simple freshwater food chain. *Environmental Chemistry*, **2015**, 12, 662	3.2	42
41	Do polyethylene microplastic beads alter the intestinal uptake of Ag in rainbow trout (Oncorhynchus mykiss)? Analysis of the MP vector effect using in´vitro gut sacs. *Environmental Pollution*, **2017**, 231, 200-206	9.3	40

40	Inhibition of potential uptake pathways for silver nanoparticles in the estuarine snail Peringia ulvae. *Nanotoxicology*, **2015**, 9, 493-501	5.3	39
39	Considerations on the use of equilibrium models for the characterisation of HOC-microplastic interactions in vector studies. *Chemosphere*, **2018**, 210, 359-365	8.4	39
38	Stable isotope tracer to determine uptake and efflux dynamics of ZnO Nano- and bulk particles and dissolved Zn to an estuarine snail. *Environmental Science & Technology*, **2013**, 47, 8532-9	10.3	39
37	Acute and long-term toxicity of micronized car tire wear particles to Hyalella azteca. *Aquatic Toxicology*, **2019**, 213, 105216	5.1	38
36	Bioaccumulation and oxidative stress responses measured in the estuarine ragworm (Nereis diversicolor) exposed to dissolved, nano- and bulk-sized silver. *Environmental Pollution*, **2015**, 198, 32-40	9.3	34
35	Application of Biotic Ligand and Toxic Unit modeling approaches to predict improvements in zooplankton species richness in smelter-damaged lakes near Sudbury, Ontario. *Environmental Science & Technology*, **2012**, 46, 1641-9	10.3	31
34	Microplastics in wastewater outlets of Bandar Abbas city (Iran): A potential point source of microplastics into the Persian Gulf. *Chemosphere*, **2021**, 262, 128039	8.4	31
33	Cadmium bound to metal rich granules and exoskeleton from Gammarus pulex causes increased gut lipid peroxidation in zebrafish following single dietary exposure. *Aquatic Toxicology*, **2010**, 96, 124-9	5.1	28
32	Potential human health risk assessment of trace metals via the consumption of marine fish in Persian Gulf. *Marine Pollution Bulletin*, **2016**, 109, 667-671	6.7	27
31	The Plastic Nile: First Evidence of Microplastic Contamination in Fish from the Nile River (Cairo, Egypt). *Toxics*, **2020**, 8,	4.7	24
30	Microplastics in the Digestive Tracts of Four Fish Species from the Ciénaga Grande de Santa Marta Estuary in Colombia. *Water, Air, and Soil Pollution*, **2019**, 230, 1	2.6	23
29	Risk Perception of Plastic Pollution: Importance of Stakeholder Involvement and Citizen Science. *Handbook of Environmental Chemistry*, **2018**, 203-221	0.8	21
28	Bioavailability and Bioaccumulation of Metal-Based Engineered Nanomaterials in Aquatic Environments. *Frontiers of Nanoscience*, **2014**, 157-193	0.7	20
27	Caddisflies Hydropsyche spp. as biomonitors of trace metal bioavailability thresholds causing disturbance in freshwater stream benthic communities. *Environmental Pollution*, **2016**, 216, 793-805	9.3	19
26	Bioaccumulation of arsenic and silver by the caddisfly larvae Hydropsyche siltalai and H. pellucidula: a biodynamic modeling approach. *Aquatic Toxicology*, **2015**, 161, 196-207	5.1	18
25	Zn-stimulated mucus secretion in the rainbow trout (Oncorhynchus mykiss) intestine inhibits Cd accumulation and Cd-induced lipid peroxidation. *Aquatic Toxicology*, **2013**, 142-143, 17-25	5.1	18
24	A nationwide assessment of plastic pollution in the Danish realm using citizen science. *Scientific Reports*, **2020**, 10, 17773	4.9	17
23	Tire wear particle and leachate exposures from a pristine and road-worn tire to Hyalella azteca: Comparison of chemical content and biological effects. *Aquatic Toxicology*, **2021**, 232, 105769	5.1	17

22	Copper and zinc detoxification in Gammarus pulex (L.). *Journal of Experimental Biology*, **2012**, 215, 822-32	3	16
21	Microplastics in Inland African Waters: Presence, Sources, and Fate. *Handbook of Environmental Chemistry*, **2018**, 101-124	0.8	14
20	Dietary bioavailability of cadmium presented to the gastropod Peringia ulvae as quantum dots and in ionic form. *Environmental Toxicology and Chemistry*, **2013**, 32, 2621-9	3.8	9
19	Differential uptake and oxidative stress response in zebrafish fed a single dose of the principal copper and zinc enriched sub-cellular fractions of Gammarus pulex. *Aquatic Toxicology*, **2010**, 99, 466-72	5.1	9
18	Plastic Pollution, Waste Management Issues, and Circular Economy Opportunities in Rural Communities. *Sustainability*, **2022**, 14, 20	3.6	9
17	Microplastics in beach sediments and cockles (Anadara antiquata) along the Tanzanian coastline. *Bulletin of Environmental Contamination and Toxicology*, **2020**, 105, 513-521	2.7	9
16	Are Standardized Test Guidelines Adequate for Assessing Waterborne Particulate Contaminants?. *Environmental Science & Technology*, **2017**, 51, 1948-1950	10.3	8
15	Demonstrating the translocation of nanoplastics across the fish intestine using palladium-doped polystyrene in a salmon gut-sac.. *Environment International*, **2021**, 159, 106994	12.9	8
14	Copper in the sediment: a major stressor for eelgrass, Zostera marina L.. *Hydrobiologia*, **2017**, 788, 143-155	2.4	6
13	The Role of Laboratory Experiments in the Validation of Field Data. *Comprehensive Analytical Chemistry*, **2017**, 75, 241-273	1.9	5
12	Abundance of microplastics in the gastrointestinal tracts of the eelpout (Zoacres viviparous L.) collected in Roskilde Fjord, Denmark: Implications for use as a monitoring species under the Marine Strategy Framework Directive. *Regional Studies in Marine Science*, **2019**, 32, 100900	1.5	5
11	Sorption of PCBs to environmental plastic pollution in the North Atlantic Ocean: Importance of size and polymer type. *Case Studies in Chemical and Environmental Engineering*, **2020**, 2, 100062	7.5	5
10	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. *Toxics*, **2019**, 7,	4.7	5
9	Ecotoxicology in the Anthropocene: Are We Listening to Nature's Scream?. *Environmental Science & Technology*, **2018**, 52, 10227-10229	10.3	5
8	Plastic pollution in marine and freshwater environments: abundance, sources, and mitigation **2022**, 241-274		3
7	Time: A Key Driver of Uncertainty When Assessing the Risk of Environmental Plastics to Human Health. *Environmental Science & Technology*, **2021**, 55, 12766-12769	10.3	2
6	Marine plastic debris in the Arabian/Persian Gulf: Challenges, opportunities and recommendations from a transdisciplinary perspective. *Marine Policy*, **2022**, 136, 104909	3.5	1
5	Pollutants Bioavailability and Toxicological Risk from Microplastics **2021**, 1-40		0

List of Publications

4	Histomorphological Damage in the Small Intestine of Wami Tilapia (Oreochromis urolepis) (Norman, 1922) Exposed to Microplastics Remain Long after Depuration. *Microplastics*, **2022**, 1, 240-253	0
3	STEM teaching: avoid Swiss-cheese effect. *Nature*, **2015**, 524, 161	50.4
2	A Brief Perspective on Environmental Science in the Anthropocene: Recalibrating, Rethinking and Re-Evaluating to Meet the Challenge of Complexity. *Environments - MDPI*, **2021**, 8, 98	3.2
1	Pollutants Bioavailability and Toxicological Risk from Microplastics **2022**, 697-736	