Joris Quik

List of Publications by Citations

30 papers	2,195 citations	20 h-index	32 g-index
32 ext. papers	2,497 ext. citations	7.4 avg, IF	5.04 L-index

#	Paper	IF	Citations
30	Fate of nano- and microplastic in freshwater systems: A modeling study. *Environmental Pollution*, **2017**, 220, 540-548	9.3	360
29	Fate and effects of CeO2 nanoparticles in aquatic ecotoxicity tests. *Environmental Science & Technology*, **2009**, 43, 4537-46	10.3	303
28	Heteroaggregation and sedimentation rates for nanomaterials in natural waters. *Water Research*, **2014**, 48, 269-79	12.5	179
27	Multimedia modeling of engineered nanoparticles with SimpleBox4nano: model definition and evaluation. *Environmental Science & Technology*, **2014**, 48, 5726-36	10.3	146
26	A Review of the Properties and Processes Determining the Fate of Engineered Nanomaterials in the Aquatic Environment. *Critical Reviews in Environmental Science and Technology*, **2015**, 45, 2084-2134	11.1	145
25	Effect of natural organic matter on cerium dioxide nanoparticles settling in model fresh water. *Chemosphere*, **2010**, 81, 711-5	8.4	143
24	Natural colloids are the dominant factor in the sedimentation of nanoparticles. *Environmental Toxicology and Chemistry*, **2012**, 31, 1019-22	3.8	124
23	How to assess exposure of aquatic organisms to manufactured nanoparticles?. *Environment International*, **2011**, 37, 1068-77	12.9	106
22	Rapid settling of nanoparticles due to heteroaggregation with suspended sediment. *Environmental Toxicology and Chemistry*, **2014**, 33, 1766-73	3.8	79
21	Spatially explicit fate modelling of nanomaterials in natural waters. *Water Research*, **2015**, 80, 200-8	12.5	74
20	Considerations for Safe Innovation: The Case of Graphene. *ACS Nano*, **2017**, 11, 9574-9593	16.7	68
19	Simplifying modeling of nanoparticle aggregation-sedimentation behavior in environmental systems: a theoretical analysis. *Water Research*, **2014**, 62, 193-201	12.5	60
18	Multimedia environmental fate and speciation of engineered nanoparticles: a probabilistic modeling approach. *Environmental Science: Nano*, **2016**, 3, 715-727	7.1	55
17	Quantification methods of Black Carbon: comparison of Rock-Eval analysis with traditional methods. *Journal of Chromatography A*, **2009**, 1216, 613-22	4.5	55
16	Humic substances alleviate the aquatic toxicity of polyvinylpyrrolidone-coated silver nanoparticles to organisms of different trophic levels. *Environmental Toxicology and Chemistry*, **2015**, 34, 1239-45	3.8	39
15	Guidance for the prognostic risk assessment of nanomaterials in aquatic ecosystems. *Science of the Total Environment*, **2015**, 535, 141-9	10.2	36
14	Strategies for determining heteroaggregation attachment efficiencies of engineered nanoparticles in aquatic environments. *Environmental Science: Nano*, **2020**, 7, 351-367	7.1	35

13	Towards validation of the NanoDUFLOW nanoparticle fate model for the river Dommel, The Netherlands. *Environmental Science: Nano*, **2016**, 3, 434-441	7.1	34
12	Genotoxic effects in the Eastern mudminnow (Umbra pygmaea L.) after exposure to Rhine water, as assessed by use of the SCE and Comet assays: a comparison between 1978 and 2005. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2007**, 631, 93-100	3	27
11	Harmonizing across environmental nanomaterial testing media for increased comparability of nanomaterial datasets. *Environmental Science: Nano*, **2020**, 7, 13-36	7.1	23
10	Evaluating environmental risk assessment models for nanomaterials according to requirements along the product innovation Stage-Gate process. *Environmental Science: Nano*, **2019**, 6, 505-518	7.1	20
9	A model sensitivity analysis to determine the most important physicochemical properties driving environmental fate and exposure of engineered nanoparticles. *Environmental Science: Nano*, **2019**, 6, 2049-2060	7.1	18
8	Directions in QPPR development to complement the predictive models used in risk assessment of nanomaterials. *NanoImpact*, **2018**, 11, 58-66	5.6	14
7	Fate modelling of nanoparticle releases in LCA: An integrative approach towards USEtox4Nano *Journal of Cleaner Production*, **2019**, 206, 701-712	10.3	14
6	Lake retention of manufactured nanoparticles. *Environmental Pollution*, **2015**, 196, 171-5	9.3	12
5	Environmental Risk Assessment of Nanomaterials in the Light of New Obligations Under the REACH Regulation: Which Challenges Remain and How to Approach Them?. *Integrated Environmental Assessment and Management*, **2020**, 16, 706-717	2.5	10
4	A Semi-Automated Workflow for FAIR Maturity Indicators in the Life Sciences. *Nanomaterials*, **2020**, 10,	5.4	9
3	Dissipative particle dynamic simulation and experimental assessment of the impacts of humic substances on aqueous aggregation and dispersion of engineered nanoparticles. *Environmental Toxicology and Chemistry*, **2018**, 37, 1024-1031	3.8	5
2	Environmental Risk Assessment (ERA) of the application of nanoscience and nanotechnology in the food and feed chain. *EFSA Supporting Publications*, **2020**, 17, 1948E	1.1	2
1	FAIR assessment tools: evaluating use and performance. *NanoImpact*, **2022**, 100402	5.6	0