

Nikolaos Voulvoulis

List of Publications by Citations

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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.

126
papers

7,103
citations

41
h-index

82
g-index

132
ext. papers

7,859
ext. citations

6.9
avg, IF

6.46
L-index

#	Paper	IF	Citations
126	Aquatic environmental assessment of the top 25 English prescription pharmaceuticals. <i>Water Research</i> , 2002 , 36, 5013-22	12.5	563
125	Pharmaceuticals: a threat to drinking water?. <i>Trends in Biotechnology</i> , 2005 , 23, 163-7	15.1	378
124	Endocrine disrupting pesticides: implications for risk assessment. <i>Environment International</i> , 2008 , 34, 168-83	12.9	333
123	Household hazardous waste in municipal landfills: contaminants in leachate. <i>Science of the Total Environment</i> , 2005 , 337, 119-37	10.2	333
122	Household disposal of pharmaceuticals as a pathway for aquatic contamination in the United kingdom. <i>Environmental Health Perspectives</i> , 2005 , 113, 1705-11	8.4	307
121	The EU Water Framework Directive: From great expectations to problems with implementation. <i>Science of the Total Environment</i> , 2017 , 575, 358-366	10.2	291
120	Human Pharmaceuticals in Wastewater Treatment Processes. <i>Critical Reviews in Environmental Science and Technology</i> , 2005 , 35, 401-427	11.1	265
119	Pharmaceuticals in the aquatic environment--a comparison of risk assessment strategies. <i>Chemosphere</i> , 2004 , 56, 1143-55	8.4	241
118	Cadmium levels in Europe: implications for human health. <i>Environmental Geochemistry and Health</i> , 2010 , 32, 1-12	4.7	228
117	Distribution and sources of polycyclic aromatic hydrocarbons in the middle and lower reaches of the Yellow River, China. <i>Environmental Pollution</i> , 2006 , 144, 985-93	9.3	218
116	Potential ecological and human health risks associated with the presence of pharmaceutically active compounds in the aquatic environment. <i>Critical Reviews in Toxicology</i> , 2004 , 34, 335-50	5.7	164
115	The occurrence and removal of selected pharmaceutical compounds in a sewage treatment works utilising activated sludge treatment. <i>Environmental Pollution</i> , 2007 , 145, 738-44	9.3	160
114	Predicted and measured concentrations for selected pharmaceuticals in UK rivers: implications for risk assessment. <i>Water Research</i> , 2006 , 40, 2885-92	12.5	147
113	Water reuse from a circular economy perspective and potential risks from an unregulated approach. <i>Current Opinion in Environmental Science and Health</i> , 2018 , 2, 32-45	8.1	145
112	Occurrence of Four Biocides Utilized in Antifouling Paints, as Alternatives to Organotin Compounds, in Waters and Sediments of a Commercial Estuary in the UK. <i>Marine Pollution Bulletin</i> , 2000 , 40, 938-946	6.7	144
111	Questioning the excessive use of advanced treatment to remove organic micropollutants from wastewater. <i>Environmental Science & Technology</i> , 2007 , 41, 5085-9	10.3	135
110	Managing the effects of multiple stressors on aquatic ecosystems under water scarcity. The GLOBAQUA project. <i>Science of the Total Environment</i> , 2015 , 503-504, 3-9	10.2	128

109	Food waste co-digestion with sewage sludge--realising its potential in the UK. <i>Journal of Environmental Management</i> , 2012 , 112, 267-74	7.9	127
108	Human pharmaceuticals in the aquatic environment a review. <i>Environmental Technology (United Kingdom)</i> , 2001 , 22, 1383-94	2.6	119
107	A framework for the assessment of the environmental risk posed by pharmaceuticals originating from hospital effluents. <i>Science of the Total Environment</i> , 2014 , 493, 54-64	10.2	103
106	Comparative environmental assessment of biocides used in antifouling paints. <i>Chemosphere</i> , 2002 , 47, 789-95	8.4	95
105	Education for Sustainable Development: A Systemic Framework for Connecting the SDGs to Educational Outcomes. <i>Sustainability</i> , 2019 , 11, 6104	3.6	93
104	Testicular dysgenesis syndrome and the estrogen hypothesis: a quantitative meta-analysis. <i>Environmental Health Perspectives</i> , 2008 , 116, 149-57	8.4	84
103	Household disposal of pharmaceuticals and perception of risk to the environment. <i>Environmental Toxicology and Pharmacology</i> , 2006 , 21, 301-7	5.8	82
102	Soil quality assessment under emerging regulatory requirements. <i>Environment International</i> , 2010 , 36, 609-22	12.9	78
101	Defective Spermatogenesis: Martin et al. Respond. <i>Environmental Health Perspectives</i> , 2008 , 116,	8.4	78
100	The potential of using the Ecosystem Approach in the implementation of the EU Water Framework Directive. <i>Science of the Total Environment</i> , 2014 , 470-471, 684-94	10.2	77
99	Calculating human exposure to endocrine disrupting pesticides via agricultural and non-agricultural exposure routes. <i>Science of the Total Environment</i> , 2008 , 398, 1-12	10.2	75
98	The potential for aeration of MSW landfills to accelerate completion. <i>Waste Management</i> , 2008 , 28, 1038-48	9.4	60
97	The Household Use of Food Waste Disposal Units as a Waste Management Option: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2012 , 42, 1485-1508	11.1	57
96	Household hazardous waste disposal to landfill: using LandSim to model leachate migration. <i>Environmental Pollution</i> , 2007 , 146, 501-9	9.3	55
95	Hazardous Components of Household Waste. <i>Critical Reviews in Environmental Science and Technology</i> , 2004 , 34, 419-445	11.1	51
94	Partitioning behavior of five pharmaceutical compounds to activated sludge and river sediment. <i>Archives of Environmental Contamination and Toxicology</i> , 2006 , 50, 297-305	3.2	50
93	Environmental management for dredging sediments - the requirement of developing nations. <i>Journal of Environmental Management</i> , 2015 , 147, 338-48	7.9	49
92	The role of sediments as a source of metals in river catchments. <i>Chemosphere</i> , 2012 , 88, 1250-6	8.4	49

91	Partitioning of selected antifouling biocides in the aquatic environment. <i>Marine Environmental Research</i> , 2002 , 53, 1-16	3.3	49
90	Open Air Laboratories (OPAL): a community-driven research programme. <i>Environmental Pollution</i> , 2011 , 159, 2203-10	9.3	44
89	A multicriteria-based methodology for site prioritisation in sediment management. <i>Environment International</i> , 2009 , 35, 920-30	12.9	44
88	Implementing the Water Framework Directive: a transition from established monitoring networks in England and Wales. <i>Environmental Science and Policy</i> , 2012 , 17, 49-61	6.2	42
87	The appropriateness of Multicriteria Analysis in environmental decision-making problems. <i>Environmental Technology (United Kingdom)</i> , 2005 , 26, 951-62	2.6	41
86	Cigarette Smoking: An Assessment of Tobacco's Global Environmental Footprint Across Its Entire Supply Chain. <i>Environmental Science & Technology</i> , 2018 , 52, 8087-8094	10.3	40
85	The influence of engineered Fe(2)O(3) nanoparticles and soluble (FeCl(3)) iron on the developmental toxicity caused by CO(2)-induced seawater acidification. <i>Environmental Pollution</i> , 2010 , 158, 3490-7	9.3	39
84	Analytical methods for the determination of 9 antifouling paint booster biocides in estuarine water samples. <i>Chemosphere</i> , 1999 , 38, 3503-3516	8.4	38
83	The Transition of EU Water Policy Towards the Water Framework Directive's Integrated River Basin Management Paradigm. <i>Environmental Management</i> , 2018 , 62, 819-831	3.1	37
82	Prioritization of sediment management alternatives using stochastic multicriteria acceptability analysis. <i>Science of the Total Environment</i> , 2010 , 408, 4354-67	10.2	37
81	Implementation of E.U. Water Framework Directive: source assessment of metallic substances at catchment levels. <i>Journal of Environmental Monitoring</i> , 2010 , 12, 36-47		36
80	Flood risk assessment for infrastructure networks. <i>Journal of Flood Risk Management</i> , 2014 , 7, 31-41	3.1	35
79	Fate of organotins in sewage sludge during anaerobic digestion. <i>Science of the Total Environment</i> , 2006 , 371, 373-82	10.2	31
78	Food flows in the United Kingdom: The potential of surplus food redistribution to reduce waste. <i>Journal of the Air and Waste Management Association</i> , 2018 , 68, 887-899	2.4	31
77	The management of household hazardous waste in the United Kingdom. <i>Journal of Environmental Management</i> , 2009 , 90, 36-42	7.9	30
76	Data analysis for environmental impact of dredging. <i>Journal of Cleaner Production</i> , 2016 , 137, 394-404	10.3	29
75	Public participation in soil surveys: lessons from a pilot study in England. <i>Environmental Science & Technology</i> , 2012 , 46, 3687-96	10.3	29
74	PRIORITISING SOIL QUALITY ASSESSMENT THROUGH THE SCREENING OF SITES: THE USE OF PUBLICLY COLLECTED DATA. <i>Land Degradation and Development</i> , 2014 , 25, 251-266	4.4	28

73	The contrasting roles of science and technology in environmental challenges. <i>Critical Reviews in Environmental Science and Technology</i> , 2019 , 49, 1079-1106	11.1	27
72	Human health and endocrine disruption: a simple multicriteria framework for the qualitative assessment of end point specific risks in a context of scientific uncertainty. <i>Toxicological Sciences</i> , 2007 , 98, 332-47	4.4	27
71	Food waste disposal units in UK households: the need for policy intervention. <i>Science of the Total Environment</i> , 2012 , 423, 1-7	10.2	26
70	Antifouling Paint Booster Biocides: Occurrence and Partitioning in Water and Sediments	155-170	26
69	Potential impact of pharmaceuticals on environmental health. <i>Bulletin of the World Health Organization</i> , 2003 , 81, 768-9	8.2	26
68	The role of public communication in decision making for waste management infrastructure. <i>Journal of Environmental Management</i> , 2017 , 203, 640-647	7.9	25
67	Sustainable risk management of emerging contaminants in municipal wastewaters. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009 , 367, 3895-922	3	25
66	Risk-based decision-making framework for the selection of sediment dredging option. <i>Science of the Total Environment</i> , 2014 , 496, 607-623	10.2	24
65	Modelling the behaviour of mechanical biological treatment outputs in landfills using the GasSim model. <i>Science of the Total Environment</i> , 2010 , 408, 1979-84	10.2	24
64	Analytical method development for the determination of four biocides used in antifouling paints in estuarine waters and sediments by gas chromatography-mass spectrometry. <i>Chromatographia</i> , 1999 , 50, 353-357	2.1	24
63	Estimating Levels of Micropollutants in Municipal Wastewater. <i>Water, Air, and Soil Pollution</i> , 2010 , 206, 357-368	2.6	23
62	Assessing quantities and disposal routes for household hazardous products in the United Kingdom. <i>Environmental Science & Technology</i> , 2005 , 39, 1912-9	10.3	23
61	Arsenic and Selenium	2014, 13-57	22
60	Developing a screening method for the evaluation of environmental and human health risks of synthetic chemicals in the mining industry. <i>International Journal of Mineral Processing</i> , 2011 , 101, 1-20		22
59	From chemical risk assessment to environmental quality management: the challenge for soil protection. <i>Environmental Science & Technology</i> , 2011 , 45, 104-10	10.3	22
58	The role of mechanical and biological treatment in reducing methane emissions from landfill disposal of municipal solid waste in the United Kingdom. <i>Journal of the Air and Waste Management Association</i> , 2007 , 57, 155-63	2.4	22
57	A multi-criteria sustainability assessment framework: development and application in comparing two food waste management options using a UK region as a case study. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 35821-35834	5.1	21
56	Cosmetics as a potential source of environmental contamination in the UK. <i>Environmental Technology (United Kingdom)</i> , 2012 , 33, 1597-608	2.6	19

55	Household hazardous waste data for the UK by direct sampling. <i>Environmental Science & Technology</i> , 2007 , 41, 2566-71	10.3	19
54	Sustainable Development Goals (SDGs): Assessing the Contribution of Higher Education Programmes. <i>Sustainability</i> , 2020 , 12, 6701	3.6	19
53	From chemical risk assessment to environmental resources management: the challenge for mining. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 7815-26	5.1	18
52	Undisclosed chemicals--implications for risk assessment: a case study from the mining industry. <i>Environment International</i> , 2014 , 68, 1-15	12.9	17
51	Water and sanitation provision in a low carbon society: The need for a systems approach. <i>Journal of Renewable and Sustainable Energy</i> , 2012 , 4, 041403	2.5	17
50	Improving petroleum contaminated land remediation decision-making through the MCA weighting process. <i>Chemosphere</i> , 2007 , 66, 791-8	8.4	17
49	A participatory ecosystems services approach for pressure prioritisation in support of the Water Framework Directive. <i>Ecosystem Services</i> , 2018 , 34, 126-135	6.1	17
48	Water Framework Directive programmes of measures: Lessons from the 1st planning cycle of a catchment in England. <i>Science of the Total Environment</i> , 2019 , 668, 903-916	10.2	14
47	The potential of water reuse as a management option for water security under the ecosystem services approach. <i>Desalination and Water Treatment</i> , 2015 , 53, 3263-3271		14
46	Institutional capacity and policy options for integrated urban water management: a Singapore case study. <i>Water Policy</i> , 2011 , 13, 53-68	1.6	14
45	Evaluating alternatives to plastic microbeads in cosmetics. <i>Nature Sustainability</i> , 2021 , 4, 366-372	22.1	13
44	Characterization of compost-like outputs from mechanical biological treatment of municipal solid waste. <i>Journal of the Air and Waste Management Association</i> , 2010 , 60, 694-701	2.4	12
43	Removal of organotins during sewage treatment: a case study. <i>Environmental Technology (United Kingdom)</i> , 2004 , 25, 733-40	2.6	12
42	Integrated catchment management for reducing pesticide levels in water: Engaging with stakeholders in East Anglia to tackle metaldehyde. <i>Science of the Total Environment</i> , 2019 , 656, 1436-1447	19.2	11
41	Removal of steroid estrogens from wastewater using granular activated carbon: comparison between virgin and reactivated carbon. <i>Water Environment Research</i> , 2009 , 81, 394-400	2.8	11
40	Gas emissions from biodegradable waste in United Kingdom landfills. <i>Waste Management and Research</i> , 2011 , 29, 69-76	4	10
39	Testicular dysgenesis syndrome and the estrogen hypothesis: a quantitative meta-analysis. <i>Ciencia E Saude Coletiva</i> , 2008 , 13, 1601-18	2.2	10
38	Spatially Resolved Dissolution and Speciation Changes of ZnO Nanorods during Short-Term Incubation in a Simulated Wastewater Environment. <i>ACS Nano</i> , 2019 , 13, 11049-11061	16.7	9

37	Habitat Equivalency Analysis, a framework for forensic cost evaluation of environmental damage. <i>Ecosystem Services</i> , 2019 , 38, 100953	6.1	9
36	Screening and prioritisation of chemical risks from metal mining operations, identifying exposure media of concern. <i>Environmental Monitoring and Assessment</i> , 2010 , 163, 555-71	3.1	9
35	Chemicals in the environment: implications for global sustainability. <i>Transactions of the Institution of Mining and Metallurgy Section B-Applied Earth Science</i> , 2005 , 114, 65-97		9
34	Environmental Screening Method for Dredging in Contaminated River. <i>Applied Mechanics and Materials</i> , 2014 , 567, 50-55	0.3	8
33	Emerging chemical contaminants in water and wastewater. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009 , 367, 3873-5	3	8
32	Industrial and Agricultural Sources and Pathways of Aquatic Pollution. <i>Impact of Meat Consumption on Health and Environmental Sustainability</i> , 29-54	0.3	8
31	Regional hydrogeochemical mapping in Central Chile: natural and anthropogenic sources of elements and compounds. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2015 , 15, 72-96	1.8	7
30	Progress with monitoring and assessment in the WFD implementation in five European river basins: significant differences but similar problems. <i>European Journal of Environmental Sciences</i> , 2018 , 8, 44-50	1	7
29	Toxic Trace Elements 87-114		7
28	Facilitating the transition to sustainable green chemistry. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018 , 13, 130-136	7.9	6
27	A risk-based approach to prioritise catchments for diffuse metal pollution management. <i>Science of the Total Environment</i> , 2012 , 437, 42-52	10.2	6
26	Pharmaceutical Residues in Sewage Treatment Works and their Fate in the Receiving Environment. <i>Issues in Environmental Science and Technology</i> , 2015 , 120-179	0.7	6
25	Toxicity, Bioaccumulation and Biotransformation of Glucose-Capped Silver Nanoparticles in Green Microalgae. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
24	Assessing the Relative Contribution of Wastewater Treatment Plants to Levels of Metals in Receiving Waters for Catchment Management. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 3987-4006	2.6	5
23	Strengthen the European collaborative environmental research to meet European policy goals for achieving a sustainable, non-toxic environment. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	5
22	2011 ,		5
21	Ecological assessments of surface water bodies at the river basin level: a case study from England. <i>Environmental Monitoring and Assessment</i> , 2014 , 186, 8649-65	3.1	4
20	Chapter 3.3 Ecotoxicity of pharmaceuticals. <i>Comprehensive Analytical Chemistry</i> , 2007 , 387-424	1.9	4

19	Nanoscale Chemical Imaging of Nanoparticles under Real-World Wastewater Treatment Conditions. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2100023	5.9	3
18	Incorporating Ecosystem Services in the Assessment of Water Framework Directive Programmes of Measures. <i>Environmental Management</i> , 2021 , 68, 38-52	3.1	3
17	Pharmaceuticals and Personal-Care Products207-227		3
16	Pollutants, human health and the environment [A risk-based approach. <i>Applied Geochemistry</i> , 2011 , 26, S238-S240	3.5	2
15	An Initial Investigation into the Use of a Flux Chamber Technique to Measure Soil-Atmosphere Gas Exchanges from Application of Biosolids to UK Soils. <i>Applied and Environmental Soil Science</i> , 2011 , 2011, 1-10	3.8	2
14	Natural Capital Accounting Informing Water Management Policies in Europe. <i>Sustainability</i> , 2021 , 13, 11205	3.6	2
13	Environmental consequences of tobacco production and consumption. <i>Lancet, The</i> , 2019 , 394, 1007-1008	3.0	1
12	Inorganic substances screening and prioritization (ISSP) in risk assessment for mining operations. <i>Mineralogical Magazine</i> , 2008 , 72, 477-481	1.7	1
11	Mineral resource active regions: The need for systems thinking in management. <i>AIMS Environmental Science</i> , 2018 , 5, 78-95	1.9	1
10	The role of water reuse in the circular economy. <i>Advances in Chemical Pollution, Environmental Management and Protection</i> , 2020 , 5, 227-252	1.5	1
9	Delineating the impact of COVID-19 on antimicrobial resistance: An Indian perspective. <i>Science of the Total Environment</i> , 2021 , 151702	10.2	0
8	Response to: Comment on Iacovidou, E.; Ohandja, D.-G. and Voulvoulis, N. (2012) Food waste disposal units in UK households: The need for policy intervention, <i>Science of the Total Environment</i> , 423, 17, by Evans TD. <i>Science of the Total Environment</i> , 2012 , 437, 435-438	10.2	
7	Endocrine disrupting substances in the late anthropocene and breast and prostate cancer. <i>Mineralogical Magazine</i> , 2008 , 72, 487-487	1.7	
6	Transient Alterations in Streamwater Quality Induced by Pollution Incidents: Interim Losses Calculations and Compensation Alternatives Based on Habitat Equivalency Analysis.. <i>Environmental Management</i> , 2022 , 69, 576	3.1	
5	Environmental chemical exposures and breast cancer. <i>AIMS Environmental Science</i> , 2016 , 3, 96-114	1.9	
4	Industrial Chemicals147-179		
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