

Nikolaos Voulvoulis

List of Publications by Year in descending order

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122
papers

8,821
citations

66250

44
h-index

49824

91
g-index

132
all docs

132
docs citations

132
times ranked

11766
citing authors

#	ARTICLE	IF	CITATIONS
1	Delineating the impact of COVID-19 on antimicrobial resistance: An Indian perspective. <i>Science of the Total Environment</i> , 2022, 818, 151702.	3.9	18
2	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.	1.2	0
3	The Contribution of Higher Education to Sustainability: The Development and Assessment of Sustainability Competences in a University Case Study. <i>Education Sciences</i> , 2022, 12, 406.	1.4	12
4	Evaluating alternatives to plastic microbeads in cosmetics. <i>Nature Sustainability</i> , 2021, 4, 366-372.	11.5	46
5	Nanoscale Chemical Imaging of Nanoparticles under Real-World Wastewater Treatment Conditions. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100023.	2.7	8
6	Incorporating Ecosystem Services in the Assessment of Water Framework Directive Programmes of Measures. <i>Environmental Management</i> , 2021, 68, 38-52.	1.2	7
7	Natural Capital Accounting Informing Water Management Policies in Europe. <i>Sustainability</i> , 2021, 13, 11205.	1.6	3
8	Toxicity, Bioaccumulation and Biotransformation of Glucose-Capped Silver Nanoparticles in Green Microalgae <i>Chlorella vulgaris</i> . <i>Nanomaterials</i> , 2020, 10, 1377.	1.9	21
9	The role of water reuse in the circular economy. <i>Advances in Chemical Pollution, Environmental Management and Protection</i> , 2020, 5, 227-252.	0.3	9
10	Sustainable Development Goals (SDGs): Assessing the Contribution of Higher Education Programmes. <i>Sustainability</i> , 2020, 12, 6701.	1.6	53
11	Habitat Equivalency Analysis, a framework for forensic cost evaluation of environmental damage. <i>Ecosystem Services</i> , 2019, 38, 100953.	2.3	15
12	Environmental consequences of tobacco production and consumption. <i>Lancet, The</i> , 2019, 394, 1007-1008.	6.3	5
13	Spatially Resolved Dissolution and Speciation Changes of ZnO Nanorods during Short-Term <i>in Situ</i> Incubation in a Simulated Wastewater Environment. <i>ACS Nano</i> , 2019, 13, 11049-11061.	7.3	13
14	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.	3.9	21
15	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.	3.9	25
16	The contrasting roles of science and technology in environmental challenges. <i>Critical Reviews in Environmental Science and Technology</i> , 2019, 49, 1079-1106.	6.6	45
17	Education for Sustainable Development: A Systemic Framework for Connecting the SDGs to Educational Outcomes. <i>Sustainability</i> , 2019, 11, 6104.	1.6	192
18	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, .	2.6	7

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19	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.	2.1	254
20	Facilitating the transition to sustainable green chemistry. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018, 13, 130-136.	3.2	10
21	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.	0.9	50
22	A participatory ecosystems services approach for pressure prioritisation in support of the Water Framework Directive. <i>Ecosystem Services</i> , 2018, 34, 126-135.	2.3	19
23	Cigarette Smoking: An Assessment of Tobacco's Global Environmental Footprint Across Its Entire Supply Chain. <i>Environmental Science & Technology</i> , 2018, 52, 8087-8094.	4.6	76
24	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.	1.2	49
25	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.	2.7	36
26	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.	0.6	7
27	Mineral resource active regions: The need for systems thinking in management. <i>AIMS Environmental Science</i> , 2018, 5, 78-95.	0.7	1
28	The EU Water Framework Directive: From great expectations to problems with implementation. <i>Science of the Total Environment</i> , 2017, 575, 358-366.	3.9	407
29	The role of public communication in decision making for waste management infrastructure. <i>Journal of Environmental Management</i> , 2017, 203, 640-647.	3.8	42
30	Data analysis for environmental impact of dredging. <i>Journal of Cleaner Production</i> , 2016, 137, 394-404.	4.6	43
31	Environmental chemical exposures and breast cancer. <i>AIMS Environmental Science</i> , 2016, 3, 96-114.	0.7	0
32	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.	1.0	15
33	Regional hydrogeochemical mapping in Central Chile: natural and anthropogenic sources of elements and compounds. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2015, 15, 72-96.	0.5	7
34	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.	3.9	161
35	Environmental management for dredging sediments – The requirement of developing nations. <i>Journal of Environmental Management</i> , 2015, 147, 338-348.	3.8	76
36	Pharmaceutical Residues in Sewage Treatment Works and their Fate in the Receiving Environment. <i>Issues in Environmental Science and Technology</i> , 2015, , 120-179.	0.4	7

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37	Flood risk assessment for infrastructure networks. <i>Journal of Flood Risk Management</i> , 2014, 7, 31-41.	1.6	50
38	Ecological assessments of surface water bodies at the river basin level: a case study from England. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 8649-8665.	1.3	4
39	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.	1.8	35
40	Undisclosed chemicals "implications for risk assessment: A case study from the mining industry. <i>Environment International</i> , 2014, 68, 1-15.	4.8	20
41	Arsenic and Selenium. , 2014, , 13-57.		42
42	Risk-based decision-making framework for the selection of sediment dredging option. <i>Science of the Total Environment</i> , 2014, 496, 607-623.	3.9	35
43	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.	3.9	128
44	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, 684-694.	3.9	92
45	From chemical risk assessment to environmental resources management: the challenge for mining. <i>Environmental Science and Pollution Research</i> , 2013, 20, 7815-7826.	2.7	19
46	Anaerobic digestion in municipal solid waste management: Part of an integrated, holistic and sustainable solution. <i>Waste Management</i> , 2013, 33, 1035-1036.	3.7	17
47	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.	6.6	71
48	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, .	0.8	20
49	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.	1.1	5
50	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, 1-7, by Evans TD. <i>Science of the Total Environment</i> , 2012, 437, 435-438.	3.9	0
51	A risk-based approach to prioritise catchments for diffuse metal pollution management. <i>Science of the Total Environment</i> , 2012, 437, 42-52.	3.9	12
52	Food waste co-digestion with sewage sludge "Realising its potential in the UK. <i>Journal of Environmental Management</i> , 2012, 112, 267-274.	3.8	165
53	Public Participation in Soil Surveys: Lessons from a Pilot Study in England. <i>Environmental Science & Technology</i> , 2012, 46, 3687-3696.	4.6	33
54	Cosmetics as a potential source of environmental contamination in the UK. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1597-1608.	1.2	24

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55	The role of sediments as a source of metals in river catchments. <i>Chemosphere</i> , 2012, 88, 1250-1256.	4.2	67
56	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.	2.4	45
57	Food waste disposal units in UK households: The need for policy intervention. <i>Science of the Total Environment</i> , 2012, 423, 1-7.	3.9	28
58	From Chemical Risk Assessment to Environmental Quality Management: The Challenge for Soil Protection. <i>Environmental Science & Technology</i> , 2011, 45, 104-110.	4.6	26
59	Pollutants, human health and the environment – A risk-based approach. <i>Applied Geochemistry</i> , 2011, 26, S238-S240.	1.4	3
60	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.	0.8	2
61	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.	2.6	24
62	Open Air Laboratories (OPAL): A community-driven research programme. <i>Environmental Pollution</i> , 2011, 159, 2203-2210.	3.7	52
63	Gas emissions from biodegradable waste in United Kingdom landfills. <i>Waste Management and Research</i> , 2011, 29, 69-76.	2.2	12
64	Institutional capacity and policy options for integrated urban water management: a Singapore case study. <i>Water Policy</i> , 2011, 13, 53-68.	0.7	27
65	Estimating Levels of Micropollutants in Municipal Wastewater. <i>Water, Air, and Soil Pollution</i> , 2010, 206, 357-368.	1.1	26
66	Cadmium levels in Europe: implications for human health. <i>Environmental Geochemistry and Health</i> , 2010, 32, 1-12.	1.8	294
67	Screening and prioritisation of chemical risks from metal mining operations, identifying exposure media of concern. <i>Environmental Monitoring and Assessment</i> , 2010, 163, 555-571.	1.3	10
68	Prioritization of sediment management alternatives using stochastic multicriteria acceptability analysis. <i>Science of the Total Environment</i> , 2010, 408, 4354-4367.	3.9	41
69	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, 3490-3497.	3.7	41
70	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.	0.9	13
71	Soil quality assessment under emerging regulatory requirements. <i>Environment International</i> , 2010, 36, 609-622.	4.8	92
72	Modelling the behaviour of mechanical biological treatment outputs in landfills using the GasSim model. <i>Science of the Total Environment</i> , 2010, 408, 1979-1984.	3.9	31

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73	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.	2.1	37
74	Sustainable risk management of emerging contaminants in municipal wastewaters. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 3895-3922.	1.6	27
75	The management of household hazardous waste in the United Kingdom. <i>Journal of Environmental Management</i> , 2009, 90, 36-42.	3.8	37
76	A multicriteria-based methodology for site prioritisation in sediment management. <i>Environment International</i> , 2009, 35, 920-930.	4.8	53
77	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.	1.3	13
78	Emerging chemical contaminants in water and wastewater. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 3873-3875.	1.6	11
79	The potential for aeration of MSW landfills to accelerate completion. <i>Waste Management</i> , 2008, 28, 1039-1048.	3.7	70
80	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.	3.9	86
81	Endocrine disrupting pesticides: Implications for risk assessment. <i>Environment International</i> , 2008, 34, 168-183.	4.8	408
82	Inorganic substances screening and prioritization (ISSP) in risk assessment for mining operations. <i>Mineralogical Magazine</i> , 2008, 72, 477-481.	0.6	1
83	Endocrine disrupting substances in the late anthropocene and breast and prostate cancer. <i>Mineralogical Magazine</i> , 2008, 72, 487-487.	0.6	0
84	Testicular Dysgenesis Syndrome and the Estrogen Hypothesis: A Quantitative Meta-Analysis. <i>Environmental Health Perspectives</i> , 2008, 116, 149-157.	2.8	99
85	Testicular dysgenesis syndrome and the estrogen hypothesis: a quantitative meta-analysis. <i>Ciencia E Saude Coletiva</i> , 2008, 13, 1601-1618.	0.1	12
86	Defective Spermatogenesis: Martin et al. Respond. <i>Environmental Health Perspectives</i> , 2008, 116, .	2.8	0
87	Chapter 3.3 Ecotoxicity of pharmaceuticals. <i>Comprehensive Analytical Chemistry</i> , 2007, , 387-424.	0.7	5
88	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, 332-347.	1.4	29
89	The occurrence and removal of selected pharmaceutical compounds in a sewage treatment works utilising activated sludge treatment. <i>Environmental Pollution</i> , 2007, 145, 738-744.	3.7	179
90	Household hazardous waste disposal to landfill: Using LandSim to model leachate migration. <i>Environmental Pollution</i> , 2007, 146, 501-509.	3.7	67

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91	Improving petroleum contaminated land remediation decision-making through the MCA weighting process. <i>Chemosphere</i> , 2007, 66, 791-798.	4.2	23
92	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, 155-163.	0.9	32
93	Household Hazardous Waste Data for the UK by Direct Sampling. <i>Environmental Science & Technology</i> , 2007, 41, 2566-2571.	4.6	24
94	Questioning the Excessive Use of Advanced Treatment to Remove Organic Micropollutants from Wastewater. <i>Environmental Science & Technology</i> , 2007, 41, 5085-5089.	4.6	148
95	Distribution and sources of polycyclic aromatic hydrocarbons in the middle and lower reaches of the Yellow River, China. <i>Environmental Pollution</i> , 2006, 144, 985-993.	3.7	250
96	Household disposal of pharmaceuticals and perception of risk to the environment. <i>Environmental Toxicology and Pharmacology</i> , 2006, 21, 301-307.	2.0	111
97	Predicted and measured concentrations for selected pharmaceuticals in UK rivers: Implications for risk assessment. <i>Water Research</i> , 2006, 40, 2885-2892.	5.3	163
98	Partitioning Behavior of Five Pharmaceutical Compounds to Activated Sludge and River Sediment. <i>Archives of Environmental Contamination and Toxicology</i> , 2006, 50, 297-305.	2.1	56
99	Fate of organotins in sewage sludge during anaerobic digestion. <i>Science of the Total Environment</i> , 2006, 371, 373-382.	3.9	35
100	Pharmaceuticals: a threat to drinking water?. <i>Trends in Biotechnology</i> , 2005, 23, 163-167.	4.9	420
101	Household hazardous waste in municipal landfills: contaminants in leachate. <i>Science of the Total Environment</i> , 2005, 337, 119-137.	3.9	394
102	Household Disposal of Pharmaceuticals as a Pathway for Aquatic Contamination in the United Kingdom. <i>Environmental Health Perspectives</i> , 2005, 113, 1705-1711.	2.8	383
103	The Appropriateness of Multicriteria Analysis in Environmental Decision-Making Problems. <i>Environmental Technology (United Kingdom)</i> , 2005, 26, 951-962.	1.2	46
104	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.	0.8	13
105	Assessing Quantities and Disposal Routes for Household Hazardous Products in the United Kingdom. <i>Environmental Science & Technology</i> , 2005, 39, 1912-1919.	4.6	26
106	Human Pharmaceuticals in Wastewater Treatment Processes. <i>Critical Reviews in Environmental Science and Technology</i> , 2005, 35, 401-427.	6.6	309
107	Removal of Organotins during Sewage Treatment: A Case Study. <i>Environmental Technology (United Kingdom)</i> 1.2	1.2	14
108	Hazardous Components of Household Waste. <i>Critical Reviews in Environmental Science and Technology</i> , 2004, 34, 419-445.	6.6	70

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109	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, 335-350.	1.9	189
110	Pharmaceuticals in the aquatic environment – a comparison of risk assessment strategies. <i>Chemosphere</i> , 2004, 56, 1143-1155.	4.2	292
111	Potential impact of pharmaceuticals on environmental health. <i>Bulletin of the World Health Organization</i> , 2003, 81, 768-9.	1.5	28
112	Comparative environmental assessment of biocides used in antifouling paints. <i>Chemosphere</i> , 2002, 47, 789-795.	4.2	109
113	Aquatic environmental assessment of the top 25 English prescription pharmaceuticals. <i>Water Research</i> , 2002, 36, 5013-5022.	5.3	616
114	Partitioning of selected antifouling biocides in the aquatic environment. <i>Marine Environmental Research</i> , 2002, 53, 1-16.	1.1	55
115	Human Pharmaceuticals in the Aquatic Environment a Review. <i>Environmental Technology (United Kingdom)</i> 15(12) 1577-1584	1.2	157
116	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.	2.3	161
117	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.	0.7	26
118	Analytical methods for the determination of 9 antifouling paint booster biocides in estuarine water samples. <i>Chemosphere</i> , 1999, 38, 3503-3516.	4.2	42
119	Antifouling Paint Booster Biocides: Occurrence and Partitioning in Water and Sediments. , 0, , 155-170.		29
120	Environmental Screening Method for Dredging in Contaminated River. <i>Applied Mechanics and Materials</i> , 0, 567, 50-55.	0.2	9
121	Industrial and Agricultural Sources and Pathways of Aquatic Pollution. Impact of Meat Consumption on Health and Environmental Sustainability, 0, , 29-54.	0.4	15
122	Education for Sustainable Development as the Catalyst for Local Transitions Toward the Sustainable Development Goals. <i>Frontiers in Sustainability</i> , 0, 3, .	1.3	4