

Alexandros I Stefanakis

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,203
citations

186209

28
h-index

243529

44
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84
all docs

84
docs citations

84
times ranked

1354
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of loading, resting period, temperature, porous media, vegetation and aeration on performance of pilot-scale vertical flow constructed wetlands. <i>Chemical Engineering Journal</i> , 2012, 181-182, 416-430.	6.6	214
2	The Role of Constructed Wetlands as Green Infrastructure for Sustainable Urban Water Management. <i>Sustainability</i> , 2019, 11, 6981.	1.6	178
3	Circular Economy and Sustainability: the Past, the Present and the Future Directions. <i>Circular Economy and Sustainability</i> , 2021, 1, 1-20.	3.3	106
4	Constructed Wetlands for Sustainable Wastewater Treatment in Hot and Arid Climates: Opportunities, Challenges and Case Studies in the Middle East. <i>Water (Switzerland)</i> , 2020, 12, 1665.	1.2	94
5	Nature-Based Solutions as a Tool in the New Circular Economic Model for Climate Change Adaptation. <i>Circular Economy and Sustainability</i> , 2021, 1, 303-318.	3.3	79
6	Effect of wastewater step-feeding on removal efficiency of pilot-scale horizontal subsurface flow constructed wetlands. <i>Ecological Engineering</i> , 2011, 37, 431-443.	1.6	70
7	Dewatering mechanisms in pilot-scale Sludge Drying Reed Beds: Effect of design and operational parameters. <i>Chemical Engineering Journal</i> , 2011, 172, 430-443.	6.6	69
8	Modeling of Vertical Flow Constructed Wetlands. , 2014, , 165-179.		67
9	A novel pilot and full-scale constructed wetland study for glass industry wastewater treatment. <i>Chemosphere</i> , 2020, 247, 125966.	4.2	67
10	Effluent quality improvement of two pilot-scale, horizontal subsurface flow constructed wetlands using natural zeolite (clinoptilolite). <i>Microporous and Mesoporous Materials</i> , 2009, 124, 131-143.	2.2	66
11	Performance of pilot-scale vertical flow constructed wetlands treating simulated municipal wastewater: effect of various design parameters. <i>Desalination</i> , 2009, 248, 753-770.	4.0	64
12	Performance of pilot-scale horizontal subsurface flow constructed wetlands treating groundwater contaminated with phenols and petroleum derivatives. <i>Ecological Engineering</i> , 2016, 95, 514-526.	1.6	59
13	A novel horizontal subsurface flow constructed wetland: Reducing area requirements and clogging risk. <i>Chemosphere</i> , 2017, 186, 257-268.	4.2	58
14	Use of zeolite and bauxite as filter media treating the effluent of Vertical Flow Constructed Wetlands. <i>Microporous and Mesoporous Materials</i> , 2012, 155, 106-116.	2.2	56
15	Presence of bacteria and bacteriophages in full-scale trickling filters and an aerated constructed wetland. <i>Science of the Total Environment</i> , 2019, 659, 1135-1145.	3.9	50
16	Investigation of pilot-scale constructed wetlands treating simulated pre-treated tannery wastewater under tropical climate. <i>Chemosphere</i> , 2019, 234, 496-504.	4.2	49
17	Management of Urban Waters with Nature-Based Solutions in Circular Cities—Exemplified through Seven Urban Circularity Challenges. <i>Water (Switzerland)</i> , 2021, 13, 3334.	1.2	46
18	Effect of various design and operation parameters on performance of pilot-scale Sludge Drying Reed Beds. <i>Ecological Engineering</i> , 2012, 38, 65-78.	1.6	45

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19	Green Roofs Towards Circular and Resilient Cities. <i>Circular Economy and Sustainability</i> , 2021, 1, 395-411.	3.3	42
20	Effect of outlet water level raising and effluent recirculation on removal efficiency of pilot-scale, horizontal subsurface flow constructed wetlands. <i>Desalination</i> , 2009, 248, 961-976.	4.0	41
21	Heavy metal fate in pilot-scale sludge drying reed beds under various design and operation conditions. <i>Journal of Hazardous Materials</i> , 2012, 213-214, 393-405.	6.5	41
22	Operational modifications of a full-scale experimental vertical flow constructed wetland with effluent recirculation to optimize total nitrogen removal. <i>Journal of Cleaner Production</i> , 2021, 296, 126558.	4.6	41
23	Surplus activated sludge dewatering in pilot-scale sludge drying reed beds. <i>Journal of Hazardous Materials</i> , 2009, 172, 1122-1130.	6.5	36
24	Investigation of lab-scale horizontal subsurface flow constructed wetlands treating industrial cork boiling wastewater. <i>Chemosphere</i> , 2018, 207, 430-439.	4.2	35
25	A Review of Emerging Contaminants in Water. Impact of Meat Consumption on Health and Environmental Sustainability, 0, , 55-80.	0.4	35
26	Stability and maturity of thickened wastewater sludge treated in pilot-scale sludge treatment wetlands. <i>Water Research</i> , 2011, 45, 6441-6452.	5.3	34
27	Treatment of table olive washing water using trickling filters, constructed wetlands and electrooxidation. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1085-1092.	2.7	34
28	A full-scale anaerobic baffled reactor and hybrid constructed wetland for university dormitory wastewater treatment and reuse in an arid and warm climate. <i>Ecological Engineering</i> , 2021, 170, 106360.	1.6	33
29	Removal of dimethylphenols and ammonium in laboratory-scale horizontal subsurface flow constructed wetlands. <i>Engineering in Life Sciences</i> , 2017, 17, 1224-1233.	2.0	32
30	The Fate of MTBE and BTEX in Constructed Wetlands. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 127.	1.3	30
31	The impact of government policies and steel recycling companies' performance on sustainable management in a circular economy. <i>Resources Policy</i> , 2022, 77, 102663.	4.2	26
32	Effect of design and operational parameters on nutrients and heavy metal removal in pilot floating treatment wetlands with <i>Eichhornia Crassipes</i> treating polluted lake water. <i>Environmental Science and Pollution Research</i> , 2021, 28, 25664-25678.	2.7	24
33	Towards agro-environmentally sustainable irrigation with treated produced water in hyper-arid environments. <i>Agricultural Water Management</i> , 2021, 243, 106449.	2.4	22
34	Hydraulic characterization and removal of metals and nutrients in an aerated horizontal subsurface flow wetland treating primary-treated oil industry effluent. <i>Water Research</i> , 2021, 200, 117220.	5.3	20
35	Performance of pilot Horizontal Roughing Filter as polishing stage of waste stabilization ponds in developing regions and modelling verification. <i>Ecological Engineering</i> , 2019, 138, 8-18.	1.6	16
36	Sustainable Dewatering of Industrial Sludges in Sludge Treatment Reed Beds: Experiences from Pilot and Full-Scale Studies under Different Climates. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7446.	1.3	16

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37	Treatment of Special Wastewaters in VFCWs. , 2014, , 145-164.		13
38	Constructed Wetlands. Impact of Meat Consumption on Health and Environmental Sustainability, 0, , 281-303.	0.4	12
39	Treatment of cork boiling wastewater using a horizontal subsurface flow constructed wetland combined with ozonation. Chemosphere, 2020, 260, 127598.	4.2	11
40	Evaluation of Hybrid Constructed Wetland Performance and Reuse of Treated Wastewater in Agricultural Irrigation. Water (Switzerland), 2021, 13, 1165.	1.2	10
41	A review of circular economy literature through a threefold level framework and engineering-management approach. , 2022, , 1-19.		10
42	Constructed Wetlands. , 2020, , 503-525.		10
43	Effect of Plant Species on the Performance and Bacteria Density Profile in Vertical Flow Constructed Wetlands for Domestic Wastewater Treatment in a Tropical Climate. Water (Switzerland), 2021, 13, 3485.	1.2	10
44	Education in Ecological Engineeringâ€”a Need Whose Time Has Come. Circular Economy and Sustainability, 2021, 1, 333-373.	3.3	9
45	A Framework to Evaluate the Social Life Cycle Impact of Products under the Circular Economy Thinking. Sustainability, 2022, 14, 2196.	1.6	9
46	Internalisation of <i>Salmonella</i> spp. by <i>Typha latifolia</i> and <i>Cyperus papyrus</i> in vitro and implications for pathogen removal in Constructed Wetlands. Environmental Technology (United Tj ETQq0 0 0 rgt /Overlock 10 Tf		9
47	Treatment Processes in VFCWs. , 2014, , 57-84.		6
48	A pilot system integrating a settling technique and a horizontal subsurface flow constructed wetland for the treatment of polluted lake water. Chemosphere, 2022, 295, 133844.	4.2	6
49	Constructed Wetlands Case Studies for the Treatment of Water Polluted with Fuel and Oil Hydrocarbons. , 2018, , 151-167.		5
50	The Use of Constructed Wetlands to Mitigate Pollution from Agricultural Runoff. , 2020, , 233-246.		5
51	A circular model for sustainable produced water management in the oil and gas industry. , 2022, , 63-77.		4
52	Processes and Mechanisms in Sludge Treatment Wetlands. , 2014, , 209-214.		2
53	VFCW Types. , 2014, , 27-38.		2
54	Fate of Phenolic Compounds in Constructed Wetlands Treating Contaminated Water. , 2016, , 311-325.		2

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55	Food processing wastes as a potential source of adsorbent for toxicant removal from water. , 2022, , 491-507.		2
56	VFCW Components. , 2014, , 39-55.		1
57	Techno-Economic Aspects of Vertical Flow Constructed Wetlands. , 2014, , 293-313.		1
58	Constructed Wetlands Classification. , 2014, , 17-25.		1
59	Domestic/Municipal Wastewater Treatment with VFCWs. , 2014, , 85-144.		1
60	Performance of Sludge Treatment Wetlands. , 2014, , 215-291.		1
61	A Two-Stage Constructed Wetland Design Integrating Artificial Aeration and Sludge Mineralization for Municipal Wastewater Treatment. Environmental and Microbial Biotechnology, 2021, , 195-211.	0.4	1
62	Pharmaceuticals and Personal Care Products as Emerging Water Contaminants. , 2017, , 1457-1475.		1
63	Sludge Treatment Wetlandsâ€™ Basic Design Considerations. , 2014, , 191-208.		0
64	Aromatic Compounds and Organic Matter Behavior in Pilot Constructed Wetlands Treating Pinus Radiata and Eucalyptus Globulus Sawmill Industry Leachate. Applied Sciences (Switzerland), 2019, 9, 5046.	1.3	0
65	Promoting sustainability in the oil industry: The benefits of using constructed wetlands for oily wastewater treatment. , 2021, , 427-434.		0
66	Editorial, Special Issue Inaugural Conference of the IS4CE. Circular Economy and Sustainability, 2021, 1, 611-612.	3.3	0
67	Pharmaceuticals and Personal Care Products as Emerging Water Contaminants. Impact of Meat Consumption on Health and Environmental Sustainability, 0, , 81-100.	0.4	0