

# Vassilios A Tsihrintzis

## List of Publications by Year in Descending Order

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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.

125 papers	3,933 citations	36 h-index	58 g-index
139 ext. papers	4,512 ext. citations	4.7 avg, IF	6.05 L-index

#	Paper	IF	Citations
125	Pyraclostrobin Removal in Pilot-Scale Horizontal Subsurface Flow Constructed Wetlands and in Porous Media Filters. <i>Processes</i> , <b>2022</b> , 10, 414	2.9	0
124	Indices of Coastal Vulnerability to Climate Change: a Review. <i>Environmental Processes</i> , <b>2022</b> , 9,	2.8	1
123	Adaptation of urban drainage networks to climate change: A review. <i>Science of the Total Environment</i> , <b>2021</b> , 771, 145431	10.2	15
122	Dynamics of changes in the concentrations of herbicides and nutrients in the soils of a combined wheat-poplar tree cultivation: a field experimental model during the growing season. <i>Agroforestry Systems</i> , <b>2021</b> , 95, 321-338	2	0
121	Methodology for holistic assessment of grey-green flood mitigation measures for climate change adaptation in urban basins. <i>Journal of Hydrology</i> , <b>2021</b> , 603, 126885	6	3
120	Removal of Emerging Pollutants in Horizontal Subsurface Flow and Vertical Flow Pilot-Scale Constructed Wetlands. <i>Processes</i> , <b>2021</b> , 9, 2200	2.9	3
119	Pesticide and Fertilizer Pollution Reduction in Two Alley Cropping Agroforestry Cultivating Systems. <i>Water, Air, and Soil Pollution</i> , <b>2020</b> , 231, 1	2.6	7
118	A robust approach for comparing conventional and sustainable flood mitigation measures in urban basins. <i>Journal of Environmental Management</i> , <b>2020</b> , 269, 110822	7.9	15
117	Water quality evaluation of a lacustrine water body in the Mediterranean based on different water quality index (WQI) methodologies. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2020</b> , 55, 537-548	2.3	13
116	Comparative evaluation of river chemical status based on WFD methodology and CCME water quality index. <i>Science of the Total Environment</i> , <b>2020</b> , 745, 140849	10.2	14
115	Using Sentinel-1 Imagery to Assess Predictive Performance of a Hydraulic Model. <i>Water Resources Management</i> , <b>2020</b> , 34, 4415-4430	3.7	6
114	Performance of Seven Water Quality Indices (WQIs) in a Mediterranean River. <i>Environmental Monitoring and Assessment</i> , <b>2019</b> , 191, 505	3.1	13
113	Development and Validation of a Simple and Efficient Method for the Determination of Pendimethalin and Its Metabolite M455H001 in Soil by Liquid Chromatography–Tandem Mass Spectrometry (LC-MS/MS). <i>Analytical Letters</i> , <b>2019</b> , 52, 685-696	2.2	6
112	Hydrogeological Investigation of a Karst Aquifer System. <i>Environmental Processes</i> , <b>2018</b> , 5, 155-181	2.8	5
111	Hybrid natural systems for treatment of olive mill wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2018</b> , 93, 800-809	3.5	5
110	S-metolachlor herbicide removal in pilot-scale horizontal subsurface flow constructed wetlands. <i>Chemical Engineering Journal</i> , <b>2018</b> , 339, 108-116	14.7	32
109	Tree uptake of excess nutrients and herbicides in a maize-olive tree cultivation system. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2018</b> , 53, 1-12	2.3	9

108	Environmental Benefits and Control of Pollution to Surface Water and Groundwater by Agroforestry Systems: a Review. <i>Water Resources Management</i> , <b>2018</b> , 32, 1-29	3.7	74
107	Low-cost approaches for the removal of terbuthylazine from agricultural wastewater: Constructed wetlands and biopurification system. <i>Chemical Engineering Journal</i> , <b>2018</b> , 335, 647-656	14.7	38
106	Water Resources and Environment. <i>Water Resources Management</i> , <b>2018</b> , 32, 4813-4817	3.7	0
105	Simulation of Low Impact Development (LID) Practices and Comparison with Conventional Drainage Solutions. <i>Proceedings (mdpi)</i> , <b>2018</b> , 2, 640	0.3	9
104	Comparative Assessment of Various Water Quality Indices (WQIs) in Polyphytos Reservoir-Aliakmon River, Greece. <i>Proceedings (mdpi)</i> , <b>2018</b> , 2, 611	0.3	13
103	Evaluation of the water quality status of two surface water reservoirs in a Mediterranean island. <i>Environmental Monitoring and Assessment</i> , <b>2018</b> , 190, 570	3.1	4
102	Management of groundwater resources using surface pumps: Optimization using Genetic Algorithms and the Tabu Search method. <i>KSCE Journal of Civil Engineering</i> , <b>2017</b> , 21, 2968-2976	1.9	9
101	Treatment of agricultural equipment rinsing water containing a fungicide in pilot-scale horizontal subsurface flow constructed wetlands. <i>Ecological Engineering</i> , <b>2017</b> , 101, 193-200	3.9	19
100	The use of Vertical Flow Constructed Wetlands in Wastewater Treatment. <i>Water Resources Management</i> , <b>2017</b> , 31, 3245-3270	3.7	25
99	Quantifying Roughness Coefficient Uncertainty in Urban Flooding Simulations through a Simplified Methodology. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 944	3	14
98	The Water Footprint of Crops in the Area of Mesogeia, Attiki, Greece. <i>Environmental Processes</i> , <b>2017</b> , 4, 63-79	2.8	9
97	Effect of first-flush device, roofing material, and antecedent dry days on water quality of harvested rainwater. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 21997-22006	5.1	10
96	Economic Valuation of Ecosystem Services Provided by the Restoration of an Irrigation Canal to a Riparian Corridor. <i>Environmental Processes</i> , <b>2017</b> , 4, 749-769	2.8	7
95	Chromium removal from wastewater using HSF and VF pilot-scale constructed wetlands: Overall performance, and fate and distribution of this element within the wetland environment. <i>Chemosphere</i> , <b>2017</b> , 168, 716-730	8.4	35
94	Constructed Floating Wetlands: A review of research, design, operation and management aspects, and data meta-analysis. <i>Chemical Engineering Journal</i> , <b>2017</b> , 308, 1120-1132	14.7	137
93	Effect of trees on the reduction of nutrient concentrations in the soils of cultivated areas. <i>Environmental Monitoring and Assessment</i> , <b>2016</b> , 188, 327	3.1	7
92	Removal of Endocrine Disrupting Chemicals in HSF and VF pilot-scale constructed wetlands. <i>Chemical Engineering Journal</i> , <b>2016</b> , 294, 146-156	14.7	45
91	Effect of Operational and Design Parameters on Performance of Pilot-Scale Vertical Flow Constructed Wetlands Treating University Campus Wastewater. <i>Water Resources Management</i> , <b>2016</b> , 30, 5875-5899	3.7	14

90	Fuzzy Modeling for Nitrogen and Phosphorus Removal Estimation in Free-Water Surface Constructed Wetlands. <i>Environmental Processes</i> , <b>2016</b> , 3, 65-79	2.8	12
89	Modelling Alternative Feeding Techniques in HSF Constructed Wetlands. <i>Environmental Processes</i> , <b>2016</b> , 3, 47-63	2.8	4
88	Effect of operational and design parameters on performance of pilot-scale horizontal subsurface flow constructed wetlands treating university campus wastewater. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 19504-19	5.1	15
87	Optimal Sizing of Rainwater Harvesting Tanks for Domestic Use in Greece. <i>Water Resources Management</i> , <b>2015</b> , 29, 4357-4377	3.7	32
86	Numerical simulation of phosphorus removal in horizontal subsurface flow constructed wetlands. <i>Desalination and Water Treatment</i> , <b>2015</b> , 56, 1282-1290		6
85	Experimental investigation of flow behavior in smooth and rough artificial fractures. <i>Journal of Hydrology</i> , <b>2015</b> , 521, 108-118	6	63
84	Suspended particulate matter estimates using optical and acoustic sensors: application in Nestos River plume (Thracian Sea, North Aegean Sea). <i>Environmental Monitoring and Assessment</i> , <b>2015</b> , 187, 392	3.1	3
83	Environmental footprint of constructed wetlands treating wastewater. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2015</b> , 50, 631-8	2.3	2
82	Construction and operation costs of constructed wetlands treating wastewater. <i>Water Science and Technology</i> , <b>2014</b> , 70, 803-10	2.2	15
81	Processes and Mechanisms in Sludge Treatment Wetlands <b>2014</b> , 209-214		2
80	Performance of Sludge Treatment Wetlands <b>2014</b> , 215-291		1
79	Treatment Processes in VFCWs <b>2014</b> , 57-84		6
78	VFCW Types <b>2014</b> , 27-38		2
77	Modeling of Vertical Flow Constructed Wetlands <b>2014</b> , 165-179		35
76	Treatment of Special Wastewaters in VFCWs <b>2014</b> , 145-164		8
75	Comparative Modeling of HSF Constructed Wetland Performance With and Without Evapotranspiration and Rainfall. <i>Environmental Processes</i> , <b>2014</b> , 1, 171-186	2.8	12
74	VFCW Components <b>2014</b> , 39-55		1
73	Techno-Economic Aspects of Vertical Flow Constructed Wetlands <b>2014</b> , 293-313		1

72	Sludge Treatment WetlandsBasic Design Considerations <b>2014</b> , 191-208		
71	Constructed Wetlands Classification <b>2014</b> , 17-25		1
70	Domestic/Municipal Wastewater Treatment with VFCWs <b>2014</b> , 85-144		1
69	Fuzzy logic models for BOD removal prediction in free-water surface constructed wetlands. <i>Ecological Engineering</i> , <b>2013</b> , 51, 66-74	3.9	27
68	Book Review Marcello Benedini and George Tsakiris. (2013). Water Quality Modelling for Rivers and Streams, Springer, Water Science and Technology Library Series, Vol. 70, 288p, ISBN 978-94-007-5508-6. <i>Water Resources Management</i> , <b>2013</b> , 27, 5299	3.7	1
67	Hydrodynamic response of Thassos Passage (N. Aegean Sea) to Nestos River discharge and meteorological forcing. <i>Continental Shelf Research</i> , <b>2013</b> , 59, 37-51	2.4	7
66	Use of zeolite and bauxite as filter media treating the effluent of Vertical Flow Constructed Wetlands. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 155, 106-116	5.3	42
65	Heavy metal fate in pilot-scale sludge drying reed beds under various design and operation conditions. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 213-214, 393-405	12.8	33
64	Restoration of a seashore eroded due to dam operation through beach nourishment. <i>Ecohydrology and Hydrobiology</i> , <b>2012</b> , 12, 123-135	2.8	4
63	Monitoring and modeling of two alluvial aquifers in lower Nestos river basin, Northern Greece. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2012</b> , 47, 1849-68	2.3	5
62	Modeling of flow and BOD fate in horizontal subsurface flow constructed wetlands. <i>Chemical Engineering Journal</i> , <b>2012</b> , 200-202, 681-693	14.7	24
61	Effect of various design and operation parameters on performance of pilot-scale Sludge Drying Reed Beds. <i>Ecological Engineering</i> , <b>2012</b> , 38, 65-78	3.9	36
60	A small-size vertical flow constructed wetland for on-site treatment of household wastewater. <i>Ecological Engineering</i> , <b>2012</b> , 44, 337-343	3.9	68
59	Assessment of water quality of first-flush roof runoff and harvested rainwater. <i>Journal of Hydrology</i> , <b>2012</b> , 466-467, 115-126	6	96
58	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> , <b>2012</b> , 181-182, 416-430	14.7	170
57	Evaluation of evapotranspiration in small on-site HSF constructed wetlands. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2012</b> , 47, 766-85	2.3	30
56	Stability and maturity of thickened wastewater sludge treated in pilot-scale sludge treatment wetlands. <i>Water Research</i> , <b>2011</b> , 45, 6441-52	12.5	31
55	Removal of faecal bacteria from septage by treating it in a full-scale duckweed-covered pond system. <i>Journal of Environmental Management</i> , <b>2011</b> , 92, 3130-5	7.9	17

54	Dewatering mechanisms in pilot-scale Sludge Drying Reed Beds: Effect of design and operational parameters. <i>Chemical Engineering Journal</i> , <b>2011</b> , 172, 430-443	14.7	60
53	Effect of wastewater step-feeding on removal efficiency of pilot-scale horizontal subsurface flow constructed wetlands. <i>Ecological Engineering</i> , <b>2011</b> , 37, 431-443	3.9	63
52	Simulation of hydrodynamics and nitrogen transformation processes in HSF constructed wetlands and porous media using the advection-dispersion-reaction equation with linear sink-source terms. <i>Ecological Engineering</i> , <b>2011</b> , 37, 1407-1415	3.9	15
51	Performance and modeling of a vertical flow constructed wetland-maturation pond system. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2011</b> , 46, 692-708	2.3	22
50	Water quantity and quality assessment of lower Nestos river, Greece. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2011</b> , 46, 1050-67	2.3	15
49	Use of GIS and Multi-Criteria Evaluation Techniques in Environmental Problems. <i>Smart Innovation, Systems and Technologies</i> , <b>2010</b> , 5-59	0.5	4
48	Spatial and temporal changes of water quality, and SWAT modeling of Vosvozis river basin, North Greece. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2010</b> , 45, 1421-40	2.3	20
47	Constructed wetlands for wastewater and activated sludge treatment in north Greece: a review. <i>Water Science and Technology</i> , <b>2010</b> , 61, 2653-72	2.2	50
46	Soil salinization in the agricultural lands of Rhodope District, northeastern Greece. <i>Environmental Monitoring and Assessment</i> , <b>2010</b> , 166, 79-94	3.1	40
45	Hydrological and water quality modeling in a medium-sized basin using the Soil and Water Assessment Tool (SWAT). <i>Desalination</i> , <b>2010</b> , 250, 274-286	10.3	55
44	Effect of operational and design parameters on removal efficiency of pilot-scale FWS constructed wetlands and comparison with HSF systems. <i>Ecological Engineering</i> , <b>2010</b> , 36, 862-875	3.9	58
43	Experimental investigation of inertial flow processes in porous media. <i>Journal of Hydrology</i> , <b>2009</b> , 374, 242-254	6	86
42	Water quality trends in Polyphytos reservoir, Aliakmon River, Greece. <i>Environmental Monitoring and Assessment</i> , <b>2009</b> , 149, 163-81	3.1	33
41	A Budget Model to Scale Nutrient Biogeochemical Cycles in Two Semienclosed Gulfs. <i>Environmental Modeling and Assessment</i> , <b>2009</b> , 14, 59-72	2	2
40	Analytical Solutions and Simulation Approaches for Double Permeability Aquifers. <i>Water Resources Management</i> , <b>2009</b> , 23, 395-415	3.7	8
39	A fuzzy inference system for wind-wave modeling. <i>Ocean Engineering</i> , <b>2009</b> , 36, 1358-1365	3.9	32
38	Effluent quality improvement of two pilot-scale, horizontal subsurface flow constructed wetlands using natural zeolite (clinoptilolite). <i>Microporous and Mesoporous Materials</i> , <b>2009</b> , 124, 131-143	5.3	58
37	Effect of outlet water level raising and effluent recirculation on removal efficiency of pilot-scale, horizontal subsurface flow constructed wetlands. <i>Desalination</i> , <b>2009</b> , 248, 961-976	10.3	37

36	Performance of pilot-scale vertical flow constructed wetlands treating simulated municipal wastewater: effect of various design parameters. <i>Desalination</i> , <b>2009</b> , 248, 753-770	10.3	55
35	Total nitrogen and ammonia removal prediction in horizontal subsurface flow constructed wetlands: use of artificial neural networks and development of a design equation. <i>Bioresource Technology</i> , <b>2009</b> , 100, 586-96	11	49
34	Artificial neural network use in ortho-phosphate and total phosphorus removal prediction in horizontal subsurface flow constructed wetlands. <i>Biosystems Engineering</i> , <b>2009</b> , 102, 190-201	4.8	39
33	Hydrodynamic and nutrient modeling in a Mediterranean coastal lagoon. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2009</b> , 44, 1400-23	2.3	12
32	CHLfuzzy: a spreadsheet tool for the fuzzy modeling of chlorophyll concentrations in coastal lagoons. <i>Hydrobiologia</i> , <b>2008</b> , 610, 99-112	2.4	8
31	Delineation of groundwater protection zones by the backward particle tracking method: theoretical background and GIS-based stochastic analysis. <i>Environmental Geology</i> , <b>2008</b> , 54, 1081-1090		17
30	ILLUDAS and PSRM-QUAL predictive ability in small urban areas and comparison with other models. <i>Hydrological Processes</i> , <b>2008</b> , 22, 3321-3336	3.3	4
29	An artificial neural network model and design equations for BOD and COD removal prediction in horizontal subsurface flow constructed wetlands. <i>Chemical Engineering Journal</i> , <b>2008</b> , 143, 96-110	14.7	85
28	Determination of Forchheimer equation coefficients a and b. <i>Hydrological Processes</i> , <b>2007</b> , 21, 534-554	3.3	84
27	Water quality of Vistonis Lagoon, Northern Greece: seasonal variation and impact of bottom sediments. <i>Desalination</i> , <b>2007</b> , 210, 83-97	10.3	24
26	Effect of temperature, HRT, vegetation and porous media on removal efficiency of pilot-scale horizontal subsurface flow constructed wetlands. <i>Ecological Engineering</i> , <b>2007</b> , 29, 173-191	3.9	438
25	Characterization of rain and roof drainage water quality in Xanthi, Greece. <i>Environmental Monitoring and Assessment</i> , <b>2007</b> , 127, 15-27	3.1	47
24	Use of GIS in siting stabilization pond facilities for domestic wastewater treatment. <i>Journal of Environmental Management</i> , <b>2007</b> , 82, 155-66	7.9	26
23	Assessment of groundwater vulnerability to pollution: a combination of GIS, fuzzy logic and decision making techniques. <i>Environmental Geology</i> , <b>2006</b> , 49, 653-673		102
22	Combining geographic information system, multicriteria evaluation techniques and fuzzy logic in siting MSW landfills. <i>Environmental Geology</i> , <b>2006</b> , 51, 797-811		95
21	Perceptions and preferences of the local population in Eastern Macedonia and Thrace National Park in Greece. <i>Landscape and Urban Planning</i> , <b>2006</b> , 77, 1-16	7.7	42
20	Modeling of non-point source pollution in a Mediterranean drainage basin. <i>Environmental Modeling and Assessment</i> , <b>2006</b> , 11, 219-233	2	56
19	Water Quality Trends in a Coastal Lagoon Impacted by Non-point Source Pollution after Implementation of Protective Measures. <i>Hydrobiologia</i> , <b>2006</b> , 563, 385-406	2.4	55



18	Approximate analytical solutions of the Forchheimer equation. <i>Journal of Hydrology</i> , <b>2005</b> , 309, 93-103	6	58
17	Design Methodology of Free Water Surface Constructed Wetlands. <i>Water Resources Management</i> , <b>2004</b> , 18, 541-565	3.7	18
16	Design Methodology and Area Sensitivity Analysis of Horizontal Subsurface Flow Constructed Wetlands. <i>Water Resources Management</i> , <b>2003</b> , 17, 147-174	3.7	10
15	A quantitative method for accounting human opinion, preferences and perceptions in ecosystem management. <i>Journal of Environmental Management</i> , <b>2003</b> , 68, 193-205	7.9	47
14	INTEGRATING HUMANS IN ECOSYSTEM MANAGEMENT USING MULTI-CRITERIA DECISION MAKING <sup>1</sup> . <i>Journal of the American Water Resources Association</i> , <b>2003</b> , 39, 277-288	2.1	12
13	Hydraulic Resistance Determination in Marsh Wetlands. <i>Water Resources Management</i> , <b>2000</b> , 14, 285-303	3.7	29
12	Ecosystem Management: A Review of a New Concept and Methodology. <i>Water Resources Management</i> , <b>2000</b> , 14, 257-283	3.7	21
11	Modeling Urban Stormwater Runoff Processes Using the Santa Barbara Method. <i>Water Resources Management</i> , <b>1998</b> , 12, 139-166	3.7	10
10	Hydrodynamic Modeling of Wetlands for Flood Detention. <i>Water Resources Management</i> , <b>1998</b> , 12, 251-269	3.7	21
9	Runoff quality prediction from small urban catchments using SWMM. <i>Hydrological Processes</i> , <b>1998</b> , 12, 311-329	3.3	126
8	URBAN STORMWATER QUANTITY/QUALITY MODELING USING THE SCS METHOD AND EMPIRICAL EQUATIONS <sup>1</sup> . <i>Journal of the American Water Resources Association</i> , <b>1997</b> , 33, 163-176	2.1	25
7	Modeling and Management of Urban Stormwater Runoff Quality: A Review. <i>Water Resources Management</i> , <b>1997</b> , 11, 136-164	3.7	92
6	GIS-Aided Modeling of Nonpoint Source Pollution Impacts on Surface and Ground Waters. <i>Water Resources Management</i> , <b>1997</b> , 11, 207-218	3.7	15
5	Use of Geographic Information Systems (GIS) in water resources: A review. <i>Water Resources Management</i> , <b>1996</b> , 10, 251-277	3.7	62
4	MODELING PREVENTION ALTERNATIVES FOR NONPOINT SOURCE POLLUTION AT A WELLFIELD IN FLORIDA <sup>1</sup> . <i>Journal of the American Water Resources Association</i> , <b>1996</b> , 32, 317-331	2.1	30
3	Spreading of three-dimensional inclined gravity plumes. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , <b>1996</b> , 34, 695-711	1.9	9
2	Multiobjective Approaches in Freshwater Wetland Restoration and Design. <i>Water International</i> , <b>1995</b> , 20, 98-105	2.4	8
1	Performance of Pilot-scale Constructed Floating Wetlands in the Removal of Nutrients and Pesticides. <i>Water Resources Management</i> , <b>1995</b> , 9, 1-12	3.7	1



