

Elias Dimitriou

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/799112/publications.pdf>

Version: 2024-02-01

112
papers

1,840
citations

331259

21
h-index

360668

35
g-index

113
all docs

113
docs citations

113
times ranked

2152
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of temporary ponds in the Mediterranean region: threats, management and conservation issues. <i>Journal of Environmental Biology</i> , 2007, 28, 1-9.	0.2	142
2	Introduced and translocated fish species in the inland waters of Greece. <i>Fisheries Management and Ecology</i> , 2000, 7, 239-250.	1.0	106
3	Potential impacts of climate change on flow regime and fish habitat in mountain rivers of the south-western Balkans. <i>Science of the Total Environment</i> , 2016, 540, 418-428.	3.9	86
4	Assessing water stress in Mediterranean lotic systems: insights from an artificially intermittent river in Greece. <i>Aquatic Sciences</i> , 2011, 73, 581-597.	0.6	71
5	Groundwater risk assessment at a heavily industrialised catchment and the associated impacts on a peri-urban wetland. <i>Journal of Environmental Management</i> , 2008, 88, 526-538.	3.8	67
6	Integrated water management scenarios for wetland protection: application in Trichonis Lake. <i>Environmental Modelling and Software</i> , 2005, 20, 177-185.	1.9	57
7	Determination of environmental flows in rivers using an integrated hydrological-hydrodynamic-habitat modelling approach. <i>Journal of Environmental Management</i> , 2018, 209, 273-285.	3.8	53
8	Colored dissolved organic matter dynamics and anthropogenic influences in a major transboundary river and its coastal wetland. <i>Limnology and Oceanography</i> , 2015, 60, 1222-1240.	1.6	43
9	An Appraisal of the Potential of Landsat 8 in Estimating Chlorophyll-a, Ammonium Concentrations and Other Water Quality Indicators. <i>Remote Sensing</i> , 2018, 10, 1018.	1.8	39
10	Generalized additive and fuzzy models in environmental flow assessment: A comparison employing the West Balkan trout (<i>Salmo farioides</i> ; Karaman, 1938). <i>Ecological Engineering</i> , 2016, 91, 365-377.	1.6	29
11	Assessing the environmental status of Mediterranean temporary ponds in Greece. <i>Annales De Limnologie</i> , 2006, 42, 33-41.	0.6	28
12	Comparative Assessment of Environmental Flow Estimation Methods in a Mediterranean Mountain River. <i>Environmental Management</i> , 2017, 60, 280-292.	1.2	28
13	Vulnerability of a Northeast Mediterranean Island to Soil Loss. Can Grazing Management Mitigate Erosion?. <i>Water (Switzerland)</i> , 2019, 11, 1491.	1.2	27
14	Designing the National Network for Automatic Monitoring of Water Quality Parameters in Greece. <i>Water (Switzerland)</i> , 2019, 11, 1310.	1.2	27
15	Flood Inundation Mapping at Ungauged Basins Using Coupled Hydrometeorological-Hydraulic Modelling: The Catastrophic Case of the 2006 Flash Flood in Volos City, Greece. <i>Water (Switzerland)</i> , 2019, 11, 2328.	1.2	26
16	Water quality monitoring and assessment of an urban Mediterranean lake facilitated by remote sensing applications. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 5009-5026.	1.3	24
17	Assessing Nature-Based and Classical Engineering Solutions for Flood-Risk Reduction in Urban Streams. <i>Journal of Ecological Engineering</i> , 2020, 21, 46-56.	0.5	24
18	Land-use and vegetation change detection in Plastira artificial lake catchment (Greece) by using remote-sensing and GIS techniques. <i>International Journal of Remote Sensing</i> , 2013, 34, 1265-1281.	1.3	23

#	ARTICLE	IF	CITATIONS
19	Tracking non-indigenous fishes in lotic ecosystems: Invasive patterns at different spatial scales in Greece. <i>Science of the Total Environment</i> , 2019, 659, 384-400.	3.9	23
20	Climate change and agricultural pollution effects on the trophic status of a Mediterranean lake. <i>Clean - Soil, Air, Water</i> , 2006, 34, 349-359.	0.8	22
21	Ecological changes in the highest temporary pond of western Crete (Greece): past, present and future. <i>Hydrobiologia</i> , 2010, 648, 3-18.	1.0	22
22	Nutrient flows and related impacts between a Mediterranean river and the associated coastal area. <i>Continental Shelf Research</i> , 2017, 134, 1-14.	0.9	22
23	A Large-Scale Nature-Based Solution in Agriculture for Sustainable Water Management: The Lake Karla Case. <i>Sustainability</i> , 2020, 12, 6761.	1.6	22
24	Delineating the relative contribution of climate related variables to chlorophyll-a and phytoplankton biomass in lakes using the ERA5-Land climate reanalysis data. <i>Water Research</i> , 2021, 196, 117053.	5.3	22
25	Developing sustainable water management scenarios by using thorough hydrologic analysis and environmental criteria. <i>Journal of Environmental Management</i> , 2003, 69, 401-412.	3.8	21
26	Assessing the environmental status and identifying the dominant pressures of a trans-boundary river catchment, to facilitate efficient management and mitigation practices. <i>Environmental Earth Sciences</i> , 2012, 66, 1839-1852.	1.3	21
27	Assessment of Riverine Morphology and Habitat Regime Using Unmanned Aerial Vehicles in a Mediterranean Environment. <i>Pure and Applied Geophysics</i> , 2018, 175, 3247-3261.	0.8	20
28	Water Quality and Hydromorphological Variability in Greek Rivers: A Nationwide Assessment with Implications for Management. <i>Water (Switzerland)</i> , 2019, 11, 1680.	1.2	20
29	Benthic Diatoms in River Biomonitoring—Present and Future Perspectives within the Water Framework Directive. <i>Water (Switzerland)</i> , 2021, 13, 478.	1.2	20
30	Estimating groundwater discharge into a lake through underwater springs by using GIS technologies. <i>Environmental Geology</i> , 2003, 44, 843-851.	1.2	19
31	Modelling hydrological characteristics of Mediterranean Temporary Ponds and potential impacts from climate change. <i>Hydrobiologia</i> , 2009, 634, 195-208.	1.0	19
32	River restoration is prone to failure unless pre-optimized within a mechanistic ecological framework Insights from a model-based case study. <i>Water Research</i> , 2020, 173, 115550.	5.3	19
33	Unravelling Precipitation Trends in Greece since 1950s Using ERA5 Climate Reanalysis Data. <i>Climate</i> , 2022, 10, 12.	1.2	19
34	A “DPSIR” model for Mediterranean temporary ponds : European, national and local scale comparisons. <i>Annales De Limnologie</i> , 2008, 44, 253-266.	0.6	18
35	Land use change scenarios and associated groundwater impacts in a protected peri-urban area. <i>Environmental Earth Sciences</i> , 2011, 64, 471-482.	1.3	18
36	Hydrodynamic numerical modelling of the water level decline in four temporary ponds of the Doñana National Park (SW Spain). <i>Journal of Arid Environments</i> , 2017, 147, 90-102.	1.2	18

#	ARTICLE	IF	CITATIONS
37	Coupling X-band dual-polarized mini-radars and hydro-meteorological forecast models: the HYDRORAD project. <i>Natural Hazards and Earth System Sciences</i> , 2013, 13, 1229-1241.	1.5	17
38	Modeling the Effects of Anthropogenic Land Cover Changes to the Main Hydrometeorological Factors in a Regional Watershed, Central Greece. <i>Climate</i> , 2019, 7, 129.	1.2	17
39	Groundwater vulnerability and risk mapping in a geologically complex area by using stable isotopes, remote sensing and GIS techniques. <i>Environmental Geology</i> , 2006, 51, 309-323.	1.2	16
40	Identifying microclimatic, hydrologic and land use impacts on a protected wetland area by using statistical models and GIS techniques. <i>Mathematical and Computer Modelling</i> , 2010, 51, 200-205.	2.0	16
41	Trends of lake temperature, mixing depth and ice cover thickness of European lakes during the last four decades. <i>Science of the Total Environment</i> , 2022, 830, 154709.	3.9	16
42	Conceptualization and pilot application of a model-based environmental flow assessment adapted for intermittent rivers. <i>Aquatic Sciences</i> , 2019, 81, 1.	0.6	15
43	Modelling of Greek Lakes Water Quality Using Earth Observation in the Framework of the Water Framework Directive (WFD). <i>Remote Sensing</i> , 2022, 14, 739.	1.8	15
44	Estimating Chlorophyll-a of Inland Water Bodies in Greece Based on Landsat Data. <i>Remote Sensing</i> , 2020, 12, 2087.	1.8	14
45	Estimation of a Suitable Range of Discharges for the Development of Instream Flow Recommendations. <i>Environmental Processes</i> , 2020, 7, 703-721.	1.7	14
46	Disentangling the Main Components of Hydromorphological Modifications at Reach Scale in Rivers of Greece. <i>Hydrology</i> , 2020, 7, 22.	1.3	14
47	The Use of Geospatial Technologies in Flood Hazard Mapping and Assessment: Case Study from River Evros. <i>Pure and Applied Geophysics</i> , 2017, 174, 679-700.	0.8	13
48	Nitrogen loading and natural pressures on the water quality of a shallow Mediterranean lake. <i>Science of the Total Environment</i> , 2019, 646, 134-143.	3.9	13
49	Sensitivity of habitat hydraulic model outputs to DTM and computational mesh resolution. <i>Ecohydrology</i> , 2020, 13, e2182.	1.1	13
50	Nitrogen and Phosphorus Loads in Greek Rivers: Implications for Management in Compliance with the Water Framework Directive. <i>Water (Switzerland)</i> , 2020, 12, 1531.	1.2	13
51	Pressures and Status of the Riparian Vegetation in Greek Rivers: Overview and Preliminary Assessment. <i>Hydrology</i> , 2021, 8, 55.	1.3	13
52	Rivers and Wastewater-Treatment Plants as Microplastic Pathways to Eastern Mediterranean Waters: First Records for the Aegean Sea, Greece. <i>Sustainability</i> , 2021, 13, 5328.	1.6	13
53	River Flow Alterations Caused by Intense Anthropogenic Uses and Future Climate Variability Implications in the Balkans. <i>Hydrology</i> , 2021, 8, 7.	1.3	12
54	Evaluating Nature-Based Solution for Flood Reduction in Spercheios River Basin under Current and Future Climate Conditions. <i>Sustainability</i> , 2021, 13, 3885.	1.6	12

#	ARTICLE	IF	CITATIONS
55	Quantifying Land-Use Alterations and Associated Hydrologic Impacts at a Wetland Area by Using Remote Sensing and Modeling Techniques. <i>Environmental Modeling and Assessment</i> , 2004, 9, 23-32.	1.2	11
56	Hydrological and nitrogen distributed catchment modeling to assess the impact of future climate change at Trichonis Lake, western Greece. <i>Hydrogeology Journal</i> , 2010, 18, 441-454.	0.9	11
57	Landuse and NDVI change analysis of Sperchios river basin (Greece) with different spatial resolution sensor data by Landsat/MSS/TM and OLI. <i>Desalination and Water Treatment</i> , 2016, 57, 29092-29103.	1.0	11
58	Evaluating the Forecast Skill of a Hydrometeorological Modelling System in Greece. <i>Atmosphere</i> , 2021, 12, 902.	1.0	11
59	Quantifying The Rainfall-Water Level Fluctuation Process in a Geologically Complex Lake Catchment. <i>Environmental Monitoring and Assessment</i> , 2006, 119, 491-506.	1.3	10
60	Climate change impacts on a Mediterranean river and the associated interactions with the adjacent coastal area. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	10
61	Spatiotemporal Variation in Benthic-Invertebrates-Based Physical Habitat Modelling: Can We Use Generic Instead of Local and Season-Specific Habitat Suitability Criteria?. <i>Water (Switzerland)</i> , 2018, 10, 1508.	1.2	10
62	Linking Hydrogeological and Ecological Tools for an Integrated River Catchment Assessment. <i>Environmental Modeling and Assessment</i> , 2009, 14, 677-689.	1.2	9
63	Integrated ecological assessment and restoration planning in a heavily modified peri-urban Mediterranean lagoon. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	9
64	Investigating sea-level effects on flash flood hydrograph and inundation forecasting. <i>Hydrological Processes</i> , 2021, 35, e14151.	1.1	9
65	Effect of river inputs on environmental status and potentially harmful phytoplankton in a coastal area of eastern Mediterranean (Maliakos Gulf, Greece). <i>Mediterranean Marine Science</i> , 0, , .	0.6	9
66	EFFECTS OF YUCCA SHIDIGERA EXTRACT ON THE REDUCTION OF AMMONIA CONCENTRATION IN LAKE KOUMOUNDOUROU. <i>Journal of Ecological Engineering</i> , 2015, 16, 1-7.	0.5	9
67	OpenHi.net: A Synergistically Built, National-Scale Infrastructure for Monitoring the Surface Waters of Greece. <i>Water (Switzerland)</i> , 2021, 13, 2779.	1.2	9
68	Hydrogeochemical Aspects of Mediterranean Temporary Ponds in Western Crete. <i>Journal of Environmental Quality</i> , 2008, 37, 164-173.	1.0	8
69	Comparison of West Balkan adult trout habitat predictions using a Pseudo-2D and a 2D hydrodynamic model. <i>Hydrology Research</i> , 2017, 48, 1697-1709.	1.1	8
70	Differentiation in Aquatic Metabolism between Littoral Habitats with Floating-Leaved and Submerged Macrophyte Growth Forms in a Shallow Eutrophic Lake. <i>Water (Switzerland)</i> , 2019, 11, 287.	1.2	8
71	Defining non-indigenous fish assemblage types in Mediterranean rivers: Network analysis and management implications. <i>Journal of Environmental Management</i> , 2021, 278, 111551.	3.8	8
72	Four Decades of Surface Temperature, Precipitation, and Wind Speed Trends over Lakes of Greece. <i>Sustainability</i> , 2021, 13, 9908.	1.6	8

#	ARTICLE	IF	CITATIONS
73	ASSESSING THE ANTHROPOGENIC IMPACTS ON THE FLUVIAL WATER AND SEDIMENT FLUXES INTO THE THERMAIKOS GULF, NORTHERN GREECE. <i>Environmental Engineering and Management Journal</i> , 2018, 17, 1053-1068.	0.2	8
74	Anthropogenic barriers to longitudinal river connectivity in Greece: A review. <i>Ecohydrology and Hydrobiology</i> , 2022, 22, 295-309.	1.0	8
75	Monitoring of chlorophyll-a and turbidity in Evros River (Greece) using Landsat imagery. <i>Proceedings of SPIE</i> , 2013, , .	0.8	7
76	Assessment of Automatically Monitored Water Levels and Water Quality Indicators in Rivers with Different Hydromorphological Conditions and Pollution Levels in Greece. <i>Hydrology</i> , 2021, 8, 86.	1.3	7
77	Ecological status assessment of Pikrodafni stream (Attica, Greece), restoration and management measures. <i>Desalination and Water Treatment</i> , 2015, 56, 1248-1255.	1.0	6
78	Testing optically stimulated luminescence dating on sand-sized quartz of deltaic deposits from the Sperchios delta plain, central Greece. <i>Journal of Palaeogeography</i> , 2018, 7, 130-145.	0.9	6
79	Model-based ecological optimization of vertical slot fishways using macroinvertebrates and multispecies fish indicators. <i>Ecological Engineering</i> , 2020, 158, 106081.	1.6	6
80	Discharge Estimation with the Use of Unmanned Aerial Vehicles (UAVs) and Hydraulic Methods in Shallow Rivers. <i>Water (Switzerland)</i> , 2021, 13, 2808.	1.2	6
81	Hydrological Modeling for Flood Adaptation under Climate Change: The Case of the Ancient Messene Archaeological Site in Greece. <i>Hydrology</i> , 2022, 9, 19.	1.3	6
82	Forecasting soil erosion and sediment yields during flash floods: The disastrous case of Mandra, Greece, 2017. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 1744-1760.	1.2	6
83	Geospatial Investigation into Groundwater Pollution and Water Quality Supported by Satellite Data: A Case Study from the Evros River (Eastern Mediterranean). <i>Pure and Applied Geophysics</i> , 2014, 171, 977-995.	0.8	5
84	Seasonal and spatial patterns of macroinvertebrate assemblages and environmental conditions in Mediterranean temporary ponds in Greece. <i>Limnology</i> , 2015, 16, 41-53.	0.8	5
85	Assessing the impacts of human activities and soil erosion on the water quality of Plastira mountainous Mediterranean Lake, Greece. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	5
86	Historical trends and the long-term changes of the hydrological cycle components in a Mediterranean river basin. <i>Science of the Total Environment</i> , 2018, 636, 558-568.	3.9	5
87	A New Automatic Monitoring Network of Surface Waters in Greece: Preliminary Data Quality Checks and Visualization. <i>Hydrology</i> , 2021, 8, 33.	1.3	5
88	Assessment of an Ultrasonic Water Stage Monitoring Sensor Operating in an Urban Stream. <i>Sensors</i> , 2021, 21, 4689.	2.1	5
89	Remote Sensing Methodology for Roughness Estimation in Ungauged Streams for Different Hydraulic/Hydrodynamic Modeling Approaches. <i>Water (Switzerland)</i> , 2022, 14, 1076.	1.2	5
90	Using state-of-the-art techniques to develop water management scenarios in a lake catchment. <i>Hydrology Research</i> , 2007, 38, 79-97.	1.1	4

#	ARTICLE	IF	CITATIONS
91	Long-Term Hydrologic Trends in the Main Greek Rivers: A Statistical Approach. Handbook of Environmental Chemistry, 2015, , 129-165.	0.2	4
92	Assessing the Impacts of Climate and Land Use Changes on the Water Quality of a Transboundary Balkan River. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	4
93	Dissolved organic matter cycling in eastern Mediterranean rivers experiencing multiple pressures. The case of the trans-boundary Evros River. Mediterranean Marine Science, 2014, 15, 398.	0.6	4
94	Identification of Pollution Patterns and Sources in a Semi-Arid Urban Stream. Journal of Ecological Engineering, 2018, 19, 99-113.	0.5	4
95	Climate change assessment impacts on the coastal area of Maliakos Gulf, Greece. Journal of Water and Climate Change, 2020, 11, 1235-1249.	1.2	4
96	River and Wetland Restoration in Greece: Lessons from Biodiversity Conservation Initiatives. Handbook of Environmental Chemistry, 2017, , 403-431.	0.2	3
97	Assessment of Pollution Risk Mapping Methods in an Eastern Mediterranean Catchment. Journal of Ecological Engineering, 2018, 19, 55-68.	0.5	3
98	A Comparative Evaluation of Hydromorphological Assessment Methods Applied in Rivers of Greece. Hydrology, 2022, 9, 43.	1.3	3
99	Applying Isotopic Techniques and Remote Sensing for Water Resources Management an a Lake Catchment. Water International, 2007, 32, 457-474.	0.4	2
100	Remote sensing application for identifying wetland sites on Cyprus: problems and prospects. Proceedings of SPIE, 2014, , .	0.8	2
101	Mid-Holocene changes in the geochemical and biotic conditions of an aquatic ecosystem, in Eastern Mediterranean. Annales De Limnologie, 2018, 54, 21.	0.6	2
102	Time Series Analysis of the Physicochemical Parameters and Meteorological Factors in a Mediterranean Lagoon. Environmental Processes, 2019, 6, 119-134.	1.7	2
103	A GIS-MCDA-Based Suitability Analysis for Meeting Targets 6.3 and 6.5 of the Sustainable Development Goals. Sustainability, 2021, 13, 4153.	1.6	2
104	An assessment of the relative impacts of key stressors on the hydrology of Greek river water bodies. Environmental Earth Sciences, 2022, 81, 1.	1.3	2
105	The Impacts of Anthropogenic and Climatic Factors on the Interaction of Spercheios River and Maliakos Gulf, the Aegean Sea. Handbook of Environmental Chemistry, 2020, , 1.	0.2	1
106	Flood risk assessment for a heavily modified urban stream. Proceedings of the International Association of Hydrological Sciences, 0, 366, 147-148.	1.0	1
107	Do Water Bodies Show Better Ecological Status in Natura 2000 Protected Areas Than Non-Protected Ones?â€”The Case of Greece. Water (Switzerland), 2021, 13, 3007.	1.2	1
108	Effects of forest fires on headwater streamflow and the habitat suitability for benthic macroinvertebrates. Hydrological Sciences Journal, 2022, 67, 1356-1371.	1.2	1

#	ARTICLE	IF	CITATIONS
109	Technological innovations for the estimation of environmental water requirements. , 2021, , 293-307.		0
110	The Use of Geospatial Technologies in Flood Hazard Mapping and Assessment: Case Study from River Evros. , 2018, , 221-242.		0
111	Title is missing!. Pageoph Topical Volumes, 2019, , .	0.2	0
112	Hydrological Modelling in Trichonis Lake Catchment and the Respective Impacts from Land Use Changes During the Last 50 Years. , 2019, , 714-717.		0