

Inmaculada De Vicente Alvarez Manzaneda

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51
papers

953
citations

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h-index

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52
ext. papers

1,074
ext. citations

5.6
avg, IF

4.35
L-index

#	Paper	IF	Citations
51	Phosphate adsorption by fresh and aged aluminum hydroxide. Consequences for lake restoration. <i>Environmental Science & Technology</i> , 2008 , 42, 6650-5	10.3	112
50	Factors affecting phosphate adsorption to aluminum in lake water: implications for lake restoration. <i>Science of the Total Environment</i> , 2008 , 389, 29-36	10.2	76
49	On the use of magnetic nano and microparticles for lake restoration. <i>Journal of Hazardous Materials</i> , 2010 , 181, 375-81	12.8	61
48	Magnetic microparticles as a new tool for lake restoration: A microcosm experiment for evaluating the impact on phosphorus fluxes and sedimentary phosphorus pools. <i>Water Research</i> , 2016 , 89, 366-74	12.5	51
47	Setting up High Gradient Magnetic Separation for combating eutrophication of inland waters. <i>Journal of Hazardous Materials</i> , 2011 , 186, 2068-74	12.8	42
46	Sediment resuspension in two adjacent shallow coastal lakes: controlling factors and consequences on phosphate dynamics. <i>Aquatic Sciences</i> , 2010 , 72, 21-31	2.5	38
45	Pathways of river nutrients towards the euphotic zone in a deep-reservoir of small size: Uncertainty analysis. <i>Ecological Modelling</i> , 2007 , 202, 345-361	3	35
44	Changed cycling of P, N, Si, and DOC in Danish Lake Nordborg after aluminum treatment. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011 , 68, 842-856	2.4	33
43	Pathways of river water to the surface layers of stratified reservoirs. <i>Limnology and Oceanography</i> , 2014 , 59, 233-250	4.8	30
42	Water level fluctuations may decrease phosphate adsorption capacity of the sediment in oligotrophic high mountain lakes. <i>Hydrobiologia</i> , 2010 , 651, 253-264	2.4	29
41	The influence of pH on manganese removal by magnetic microparticles in solution. <i>Water Research</i> , 2014 , 53, 110-22	12.5	27
40	A microcosm experiment to determine the consequences of magnetic microparticles application on water quality and sediment phosphorus pools. <i>Science of the Total Environment</i> , 2017 , 579, 245-253	10.2	26
39	Contribution of transparent exopolymer particles to carbon sinking flux in an oligotrophic reservoir. <i>Biogeochemistry</i> , 2009 , 96, 13-23	3.8	26
38	Chemical interferences when using high gradient magnetic separation for phosphate removal: consequences for lake restoration. <i>Journal of Hazardous Materials</i> , 2011 , 192, 995-1001	12.8	25
37	Factors controlling phosphorus speciation in a Mediterranean basin (River Guadalfeo, Spain). <i>Journal of Hydrology</i> , 2006 , 331, 396-408	6	23
36	Phosphorus release with carbonate dissolution coupled to sulfide oxidation in Florida Bay seagrass sediments. <i>Limnology and Oceanography</i> , 2009 , 54, 1753-1764	4.8	22
35	Variation in transparent exopolymer particles in relation to biological and chemical factors in two contrasting lake districts. <i>Aquatic Sciences</i> , 2010 , 72, 443-453	2.5	22

34	Sediment phosphate fractionation and interstitial water phosphate concentration in two coastal lagoons (Albuferas de Adra, SE Spain). <i>Hydrobiologia</i> , 2003 , 492, 95-105	2.4	21
33	Contribution of dust inputs to dissolved organic carbon and water transparency in Mediterranean reservoirs. <i>Biogeosciences</i> , 2012 , 9, 5049-5060	4.6	19
32	Sediment desiccation as a driver of phosphate availability in the water column of Mediterranean wetlands. <i>Science of the Total Environment</i> , 2014 , 466-467, 965-75	10.2	18
31	Determining major factors controlling phosphorus removal by promising adsorbents used for lake restoration: A linear mixed model approach. <i>Water Research</i> , 2018 , 141, 377-386	12.5	17
30	Synthesis and characterization of magnetic chitosan microspheres as low-density and low-biototoxicity adsorbents for lake restoration. <i>Chemosphere</i> , 2017 , 171, 571-579	8.4	15
29	Sedimentary Phosphate Fractions Related to Calcite Precipitation in an Eutrophic Hardwater Lake (Lake Alserio, Northern Italy). <i>Journal of Paleolimnology</i> , 2006 , 35, 55-64	2.1	15
28	Response of waterbirds to alternating clear and turbid water phases in two shallow Mediterranean lakes. <i>Aquatic Ecology</i> , 2008 , 42, 701-706	1.9	12
27	Low predictability in the dynamics of shallow lakes: Implications for their management and restoration. <i>Wetlands</i> , 2006 , 26, 928-938	1.7	12
26	Thermal structure and energy budget in a small high mountain lake: La Caldera, Sierra Nevada, Spain. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2004 , 38, 879-894	1.3	12
25	Selecting priority conservation areas based on zooplankton diversity: the case of Mediterranean wetlands. <i>Marine and Freshwater Research</i> , 2014 , 65, 857	2.2	11
24	Linking watershed land uses and crustacean assemblages in Mediterranean wetlands. <i>Hydrobiologia</i> , 2017 , 799, 181-191	2.4	10
23	Interannual and between-site variability in the occurrence of clear water phases in two shallow Mediterranean lakes. <i>Aquatic Ecology</i> , 2007 , 41, 285-297	1.9	10
22	Instability of shallow lakes: A matter of the complexity of factors involved in sediment and water interaction? 2006 , 25, 253-270		10
21	Effect of Drought Conditions on Plankton Community and on Nutrient Availability in an Oligotrophic High Mountain Lake. <i>Arctic, Antarctic, and Alpine Research</i> , 2012 , 44, 50-61	1.8	9
20	Acute and chronic effects of magnetic microparticles potentially used in lake restoration on <i>Daphnia magna</i> and <i>Chironomus</i> sp. <i>Journal of Hazardous Materials</i> , 2017 , 322, 437-444	12.8	8
19	Contrasting factors controlling microbial respiratory activity in the sediment of two adjacent Mediterranean wetlands. <i>Die Naturwissenschaften</i> , 2010 , 97, 627-35	2	8
18	Ecotoxicity screening of novel phosphorus adsorbents used for lake restoration. <i>Chemosphere</i> , 2019 , 222, 469-478	8.4	7
17	Implications of seston settling on phosphorus dynamics in three reservoirs of contrasting trophic state. <i>Fundamental and Applied Limnology</i> , 2008 , 170, 263-272	1.9	7

16	Assessment of toxic effects of magnetic particles used for lake restoration on <i>Chlorella</i> sp. and on <i>Brachionus calyciflorus</i> . <i>Chemosphere</i> , 2017 , 187, 347-356	8.4	6
15	Is the bioproduction number a good index of the trophic state in Mediterranean wetlands?. <i>Knowledge and Management of Aquatic Ecosystems</i> , 2015 , 05	1.4	6
14	A comprehensive evaluation of the crustacean assemblages in southern Iberian Mediterranean wetlands. <i>Journal of Limnology</i> , 2014 , 73,	1.5	5
13	Chemical composition of wetland sediments as an integrator of trophic state. <i>Aquatic Ecosystem Health and Management</i> , 2010 , 13, 99-103	1.4	5
12	Zooplankton body size versus taxonomy in Mediterranean wetlands: implications for aquatic ecosystem evaluation. <i>Freshwater Science</i> , 2017 , 36, 774-783	2	4
11	Temporal and spatial trends in the sedimentation process in a canyon-type reservoir (El Gergal, Seville, Spain). <i>Archiv Für Hydrobiologie</i> , 2005 , 163, 241-257		4
10	Biogeochemistry of Mediterranean Wetlands: A Review about the Effects of Water-Level Fluctuations on Phosphorus Cycling and Greenhouse Gas Emissions. <i>Water (Switzerland)</i> , 2021 , 13, 1510 ³		4
9	Magnetic particles as new adsorbents for the reduction of phosphate inputs from a wastewater treatment plant to a Mediterranean Ramsar wetland (Southern Spain). <i>Chemosphere</i> , 2021 , 270, 128640 ^{8.4}		3
8	Zooplankton Community Dynamics in Temporary Mediterranean Wetlands: Which Drivers Are Controlling the Seasonal Species Replacement?. <i>Water (Switzerland)</i> , 2021 , 13, 1447	3	3
7	Evaluating the effect of CFH-12□ and Phoslock□ on phosphorus dynamics during anoxia and resuspension in shallow eutrophic lakes. <i>Environmental Pollution</i> , 2021 , 269, 116093	9.3	3
6	Going deeper into phosphorus adsorbents for lake restoration: Combined effects of magnetic particles, intraspecific competition and habitat heterogeneity pressure on <i>Daphnia magna</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018 , 148, 513-519	7	3
5	Settling and resuspended particles: A source or a sink of phosphate in two contrasting oligotrophic high mountain lakes?. <i>Comptes Rendus - Geoscience</i> , 2010 , 342, 46-52	1.4	2
4	Contribution to the inventory of Iberian diatoms: <i>Encyonema nevadense</i> S.Blanco & al. sp. nov. (Cymbellales, Gomphonemataceae). <i>Anales Del Jardin Botanico De Madrid</i> , 2019 , 76, 088	0.3	2
3	Do magnetic phosphorus adsorbents used for lake restoration impact on zooplankton community?. <i>Science of the Total Environment</i> , 2019 , 656, 598-607	10.2	2
2	Assessing the viability of recovered phosphorus from eutrophicated aquatic ecosystems as a liquid fertilizer. <i>Journal of Environmental Management</i> , 2021 , 285, 112156	7.9	1
1	Assessing the toxic effects of magnetic particles used for lake restoration on phytoplankton: A community-based approach. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 207, 111288	7	1