MarÃ-a V Esteller

List of Publications by Year
in descending order

43	1,018	361045	433756
papers	citations	20 h-index	31 g-index

43	43	43	1284
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial distribution of nitrate health risk associated with groundwater use as drinking water in Merida, Mexico. Applied Geography, 2015, 65, 49-57.	1.7	76
2	Impacts of urbanization on groundwater hydrodynamics and hydrochemistry of the Toluca Valley aquifer (Mexico). Environmental Monitoring and Assessment, 2014, 186, 2979-2999.	1.3	67
3	Effect of sewage sludge or compost on the sorption and distribution of copper and cadmium in soil. Waste Management, 2006, 26, 71-81.	3.7	66
4	Application of principal components analysis to the study of salinization on the Castellon Plain (Spain). Science of the Total Environment, 1996, 177, 161-171.	3.9	63
5	Environmental Effects of Aquifer Overexploitation: A Case Study in the Highlands of Mexico. Environmental Management, 2002, 29, 266-278.	1.2	56
6	Heavy Metals in Soil Treated with Sewage Sludge Composting, their Effect on Yield and Uptake of Broad Bean Seeds (Vicia faba L.). Water, Air, and Soil Pollution, 2005, 166, 303-319.	1.1	53
7	Nitrate and phosphate leaching in a Phaeozem soil treated with biosolids, composted biosolids and inorganic fertilizers. Waste Management, 2009, 29, 1936-1944.	3.7	42
8	Spatial characterization of the seawater upconing process in a coastal Mediterranean aquifer (Plana) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	E.3	42
9	Characterizing the hydrogeochemistry of two low-temperature thermal systems in Central Mexico. Journal of Geochemical Exploration, 2018, 185, 93-104.	1.5	38
10	Groundwater Monitoring Network Design Using GIS and Multicriteria Analysis. Water Resources Management, 2015, 29, 3175-3194.	1.9	36
11	Hydrogeochemistry and water-rock interactions in the urban area of Puebla Valley aquifer (Mexico). Journal of Geochemical Exploration, 2017, 181, 219-235.	1.5	32
12	Evaluation of hydrochemical changes due to intensive aquifer exploitation: case studies from Mexico. Environmental Monitoring and Assessment, 2012, 184, 5725-5741.	1.3	31
13	Multi-Criteria Decision Analysis and GIS Approach for Prioritization of Drinking Water Utilities Protection Based on their Vulnerability to Contamination. Water Resources Management, 2016, 30, 1549-1566.	1.9	31
14	Vermicomposting of Sewage Sludge: Earthworm Population and Agronomic Advantages. Compost Science and Utilization, 2012, 20, 11-17.	1.2	30
15	Anthropic effects on hydrochemical characteristics of the Valle de Toluca aquifer (central Mexico). Hydrogeology Journal, 2005, 13, 378-390.	0.9	27
16	Phosphorus release kinetics in a soil amended with biosolids and vermicompost. Environmental Earth Sciences, 2014, 71, 1441-1451.	1.3	25
17	Groundwater pollution by arsenic and other toxic elements in an abandoned silver mine, Mexico. Environmental Earth Sciences, 2015, 74, 2893-2906.	1.3	25
18	Groundwater optimization model for sustainable management of the Valley of Puebla aquifer, Mexico. Environmental Earth Sciences, 2013, 70, 337-351.	1.3	24

#	Article	IF	Citations
19	Hydrogeochemical characteristics of a volcanic-sedimentary aquifer with special emphasis on Fe and Mn content: A case study in Mexico. Journal of Geochemical Exploration, 2017, 180, 113-126.	1.5	24
20	Removal of groundwater arsenic using a household filter with iron spikes and stainless steel. Journal of Environmental Management, 2013, 131, 103-109.	3.8	22
21	The establishment of integrated water resources management based on emergy accounting. Ecological Engineering, 2014, 63, 72-87.	1.6	17
22	Application of water quality index to evaluate groundwater quality (temporal and spatial variation) of an intensively exploited aquifer (Puebla valley, Mexico). Environmental Monitoring and Assessment, 2016, 188, 573.	1.3	17
23	Geoinformatics tool with an emergy accounting approach for evaluating the sustainability of water systems: Case study of the Lerma river, Mexico. Ecological Engineering, 2017, 99, 436-453.	1.6	17
24	A lysimeter study under field conditions of nitrogen and phosphorus leaching in a turf grass crop amended with peat and hydrogel. Science of the Total Environment, 2019, 648, 530-541.	3.9	16
25	Tracing source and mobility of arsenic and trace elements in a hydrosystem impacted by past mining activities (Morelos state, Mexico). Science of the Total Environment, 2020, 712, 135565.	3.9	16
26	Contamination of corn growing areas due to intensive fertilization in the high plane of mexico. Water, Air, and Soil Pollution, 2006, 175, 77-98.	1.1	15
27	Groundwater Flow Processes and Human Impact along the Arid US-Mexican Border, Evidenced by Environmental Tracers: The Case of Tecate, Baja California. International Journal of Environmental Research and Public Health, 2018, 15, 887.	1.2	14
28	Groundwater Protection Using Vulnerability Maps and Wellhead Protection Area (WHPA): A Case Study in Mexico. Water Resources Management, 2010, 24, 4219-4236.	1.9	13
29	Ecological and Health Risk Assessment of Potential Toxic Elements from a Mining Area (Water and) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	13
30	Uranium and phosphate behavior in the vadose zone of a fertilized corn field. Journal of Radioanalytical and Nuclear Chemistry, 2002, 254, 509-517.	0.7	12
31	Effect of organic matter and hydrogel application on nitrate leaching in a turfgrass crop: a simulation study using HYDRUS. Journal of Soils and Sediments, 2021, 21, 1190-1205.	1.5	9
32	Hydrogeochemistry, isotopes and geothermometry of Ixtapan de la Salâ€“Tonatico hot springs, Mexico. Environmental Earth Sciences, 2019, 78, 1.	1.3	8
33	Hydrogeochemistry and geothermometry of thermal springs in the eastern Trans-Mexican Volcanic Belt. Geothermics, 2021, 96, 102176.	1.5	7
34	Territorial approach to increased energy consumption of water extraction from depletion of a highlands Mexican aquifer. Journal of Environmental Management, 2013, 128, 920-930.	3.8	6
35	Prioritization to protect springs for public urban water supplies, based on multi-criteria evaluation and GIS (State of Mexico, Mexico). Applied Geography, 2019, 107, 26-37.	1.7	6
36	Physico-chemical processes in a vadose zone during the infiltration of treated wastewater used for irrigation: application of the NETPATH model. Environmental Geology, 2001, 40, 923-930.	1.2	5

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37	Mixing processes between thermal waters and non-thermal waters: a case study in Mexico. Environmental Earth Sciences, 2019, 78, 1.	1.3	5
38	Effects of different amendments (organic matter and hydrogel) on the actual evapotranspiration and crop coefficient of turf grass under field conditions[*]. Irrigation and Drainage, 2021, 70, 293-305.	0.8	5
39	Hydrogeochemical changes during managed aquifer recharge (MAR) in a salinised coastal aquifer. Applied Geochemistry, 2021, 126, 104866.	1.4	4
40	Determination of 2,4-D in aqueous solution by neutron activation analysis. Journal of Radioanalytical and Nuclear Chemistry, 1999, 241, 323-325.	0.7	1
41	Soil Organic Matter Quality and Zinc and Lead Sorption as Affected by a Sewage Sludge Or a Sewage Sludge Compost Application. Compost Science and Utilization, 2008, 16, 239-249.	1.2	1
42	ExperimentaciÃ³n reducida-controlada in situ del deslizamiento de suelo por efecto de flujo subsuperficial de agua. IngenierÃa InvestigaciÃ³n Y TecnologÃa, 2019, 20, 1-12.	0.2	1
43	Canine Silica Urolithiasis in Mexico, Associated with the Concentration of Dissolved Silica in Tap Water. Veterinary Medicine International, 2021, 2021, 1-6.	0.6	0