

# Manuel OlÃ- as

## List of Publications by Year in descending order

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Version: 2024-02-01

77  
papers

2,854  
citations

201385

27  
h-index

174990

52  
g-index

78  
all docs

78  
docs citations

78  
times ranked

2811  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal evolution of acid mine drainage (AMD) leachates from the abandoned tharsis mine (Iberian Tj ETQq1 1 0,784314 rgBT /Overl	3.7	15
2	Stream-pit lake interactions in an abandoned mining area affected by acid drainage (Iberian Pyrite Belt). Science of the Total Environment, 2022, 833, 155224.	3.9	4
3	Inputs and fate of contaminants in a reservoir with circumneutral water affected by acid mine drainage. Science of the Total Environment, 2021, 762, 143614.	3.9	11
4	Seasonal evolution of natural radionuclides in two rivers affected by acid mine drainage and phosphogypsum pollution. Catena, 2021, 197, 104978.	2.2	13
5	Surface and Groundwater Quality Evolution in the Agrio and Guadiamar Rivers After the Aznalc��llar Mine Spill (SW Spain): Lessons Learned. Mine Water and the Environment, 2021, 40, 235-249.	0.9	5
6	Where did Christopher Columbus start?: The estuarine scenario of a historical date. Estuarine, Coastal and Shelf Science, 2021, 250, 107162.	0.9	5
7	Metal(loid) release from sulfide-rich wastes to the environment: The case of the Iberian Pyrite Belt (SW Spain). Current Opinion in Environmental Science and Health, 2021, 20, 100240.	2.1	7
8	Geochemical behaviour and transport of technology critical metals (TCMs) by the Tinto River (SW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.9	11
9	Mine waters as a secondary source of rare earth elements worldwide: The case of the Iberian Pyrite Belt. Journal of Geochemical Exploration, 2021, 224, 106742.	1.5	19
10	Natural and anthropic pollution episodes during the Late Holocene evolution of the Tinto River estuary (SW Spain). Scientia Marina, 2021, 85, 113-123.	0.3	3
11	Seasonal variability of extremely metal rich acid mine drainages from the Tharsis mines (SW Spain). Environmental Pollution, 2020, 259, 113829.	3.7	28
12	Silver and copper as pollution tracers in Neogene to Holocene estuarine sediments from southwestern Spain. Marine Pollution Bulletin, 2020, 150, 110704.	2.3	11
13	Evaluation of the radioactive pollution in the salt-marshes under a phosphogypsum stack system. Environmental Pollution, 2020, 258, 113729.	3.7	22
14	The Evolution of Pollutant Concentrations in a River Severely Affected by Acid Mine Drainage: R��o Tinto (SW Spain). Minerals (Basel, Switzerland), 2020, 10, 598.	0.8	18
15	Rare earth elements in a historical mining district (south-west Spain): Hydrogeochemical behaviour and seasonal variability. Chemosphere, 2020, 253, 126742.	4.2	9
16	Release of technology critical metals during sulfide oxidation processes: the case of the Poderosa sulfide mine (south-west Spain). Environmental Chemistry, 2020, 17, 93.	0.7	10
17	Pollution evaluation on the salt-marshes under the phosphogypsum stacks of Huelva due to deep leachates. Chemosphere, 2019, 230, 219-229.	4.2	19
18	Causes and impacts of a mine water spill from an acidic pit lake (Iberian Pyrite Belt). Environmental Pollution, 2019, 250, 127-136.	3.7	33

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19	Mineralogically-induced metal partitioning during the evaporative precipitation of efflorescent sulfate salts from acid mine drainage. <i>Chemical Geology</i> , 2019, 530, 119339.	1.4	12
20	Mineral reactivity in sulphide mine wastes: influence of mineralogy and grain size on metal release. <i>European Journal of Mineralogy</i> , 2019, 31, 263-273.	0.4	12
21	Hydrogeochemical behavior of an anthropogenic mine aquifer: Implications for potential remediation measures. <i>Science of the Total Environment</i> , 2018, 636, 85-93.	3.9	12
22	Dissolved and particulate metal fluxes in an AMD-affected stream under different hydrological conditions: The Odiel River (SW Spain). <i>Catena</i> , 2018, 165, 414-424.	2.2	15
23	Hydrological characterization and prediction of flood levels of acidic pit lakes in the Tharsis mines, Iberian Pyrite Belt. <i>Journal of Hydrology</i> , 2018, 566, 807-817.	2.3	14
24	Geochemical behaviour of rare earth elements (REE) along a river reach receiving inputs of acid mine drainage. <i>Chemical Geology</i> , 2018, 493, 468-477.	1.4	46
25	Temporal Variations of REE in Several AMD Sources of the Odiel River (SW Spain). <i>Procedia Earth and Planetary Science</i> , 2017, 17, 706-709.	0.6	4
26	Characterization of Main AMD Inputs to the Odiel River Upper Reach (SW Spain). <i>Procedia Earth and Planetary Science</i> , 2017, 17, 602-605.	0.6	5
27	A geochemical approach to the restoration plans for the Odiel River basin (SW Spain), a watershed deeply polluted by acid mine drainage. <i>Environmental Science and Pollution Research</i> , 2017, 24, 4506-4516.	2.7	25
28	Metal-fluxes characterization at a catchment scale: Study of mixing processes and end-member analysis in the Meca River watershed (SW Spain). <i>Journal of Hydrology</i> , 2017, 550, 590-602.	2.3	9
29	Hydrological modeling of a watershed affected by acid mine drainage (Odiel River, SW Spain). Assessment of the pollutant contributing areas. <i>Journal of Hydrology</i> , 2016, 540, 196-206.	2.3	23
30	Water acidification trends in a reservoir of the Iberian Pyrite Belt (SW Spain). <i>Science of the Total Environment</i> , 2016, 541, 400-411.	3.9	30
31	Controls on acid mine water composition from the Iberian Pyrite Belt (SW Spain). <i>Catena</i> , 2016, 137, 12-23.	2.2	26
32	Background Conditions and Mining Pollution throughout History in the R�o Tinto (SW Spain). <i>Environments - MDPI</i> , 2015, 2, 295-316.	1.5	39
33	Geochemical processes in a highly acidic pit lake of the Iberian Pyrite Belt (SW Spain). <i>Chemical Geology</i> , 2015, 395, 144-153.	1.4	14
34	Comment on "Identification of the subsurface sulfide bodies responsible for acidity in R�o Tinto source water, Spain" by G�mez-Ortiz et al. ( <i>Earth Planet. Sci. Lett.</i> 391 (2014) 36-41). <i>Earth and Planetary Science Letters</i> , 2014, 403, 456-458.	1.8	3
35	Metal(loid) Attenuation Processes in an Extremely Acidic River: The Rio Tinto (SW Spain). <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	9
36	Geochemical behavior of metals and metalloids in an estuary affected by acid mine drainage (AMD). <i>Environmental Science and Pollution Research</i> , 2014, 21, 2611-2627.	2.7	32

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37	Rainfall estimation in SWAT: An alternative method to simulate orographic precipitation. <i>Journal of Hydrology</i> , 2014, 509, 257-265.	2.3	46
38	Trace metal partitioning over a tidal cycle in an estuary affected by acid mine drainage (Tinto estuary). <i>Journal of Hydrology</i> , 2014, 509, 257-265.	3.9	29
39	Acid mine drainage in the Iberian Pyrite Belt: 1. Hydrochemical characteristics and pollutant load of the Tinto and Odiel rivers. <i>Environmental Science and Pollution Research</i> , 2013, 20, 7509-7519.	2.7	85
40	Assessment of the dissolved pollutant flux of the Odiel River (SW Spain) during a wet period. <i>Science of the Total Environment</i> , 2013, 463-464, 572-580.	3.9	6
41	Uranium behaviour in an estuary polluted by mining and industrial effluents: The R�a of Huelva (SW of Tinto estuary). <i>Journal of Hydrology</i> , 2013, 463-464, 572-580.	5.3	23
42	Uranium behavior during a tidal cycle in an estuarine system affected by acid mine drainage (AMD). <i>Chemical Geology</i> , 2013, 342, 110-118.	1.4	20
43	Geochemistry of Quaternary sediments in terraces of the Tinto River (SW Spain): Paleoenvironmental implications. <i>Catena</i> , 2013, 101, 1-10.	2.2	12
44	Pollutant transport processes in the Odiel River (SW Spain) during rain events. <i>Water Resources Research</i> , 2012, 48, .	1.7	33
45	Refining the estimation of metal loads dissolved in acid mine drainage by continuous monitoring of specific conductivity and water level. <i>Applied Geochemistry</i> , 2012, 27, 1932-1943.	1.4	15
46	Groundwater contamination evolution in the Guadimar and Agrio aquifers after the Aznalc�llar spill: assessment and environmental implications. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 3629-3641.	1.3	22
47	Influence of releases from a fresh water reservoir on the hydrochemistry of the Tinto River (SW). <i>Journal of Hydrology</i> , 2012, 463-464, 572-580.	3.9	28
48	Biologically-induced precipitation of sphalerite and wurtzite nanoparticles by sulfate-reducing bacteria: Implications for acid mine drainage treatment. <i>Science of the Total Environment</i> , 2012, 423, 176-184.	3.9	57
49	Water Quality in the Future Alcolea Reservoir (Odiel River, SW Spain): A Clear Example of the Inappropriate Management of Water Resources in Spain. <i>Water Resources Management</i> , 2011, 25, 201-215.	1.9	29
50	Trace elements in Holocene sediments of the southern Do�ana National Park (SW Spain): historical pollution and applications. <i>Environmental Earth Sciences</i> , 2011, 64, 1215-1223.	1.3	13
51	Wash-out processes of evaporitic sulfate salts in the Tinto river: Hydrogeochemical evolution and environmental impact. <i>Applied Geochemistry</i> , 2010, 25, 288-301.	1.4	66
52	Natural attenuation processes in two water reservoirs receiving acid mine drainage. <i>Science of the Total Environment</i> , 2009, 407, 2051-2062.	3.9	60
53	Application of the SWAT model to an AMD-affected river (Meca River, SW Spain). Estimation of transported pollutant load. <i>Journal of Hydrology</i> , 2009, 377, 445-454.	2.3	49
54	Conjunctive use of water resources as an alternative to a leaky reservoir in a mountainous, semiarid area (Adra River basin, SE Spain). <i>Hydrogeology Journal</i> , 2009, 17, 1779-1790.	0.9	15

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55	Hydrochemical characteristics and seasonal influence on the pollution by acid mine drainage in the Odiel river Basin (SW Spain). <i>Applied Geochemistry</i> , 2009, 24, 697-714.	1.4	150
56	Water quality and distribution of trace elements in the Doñana aquifer (SW Spain). <i>Environmental Geology</i> , 2008, 55, 1555-1568.	1.2	19
57	Geochemical evolution of groundwater in the carbonate aquifers of Sierra de Segura (Betic Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.3	122
58	Hydrochemical variations and contaminant load in the R�o Tinto (Spain) during flood events. <i>Journal of Hydrology</i> , 2008, 350, 25-40.	2.3	97
59	Concentrations and activity ratios of uranium isotopes in groundwater from Doñana National Park, South of Spain. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	1
60	Acid mine drainage pollution in the Tinto and Odiel rivers (Iberian Pyrite Belt, SW Spain) and bioavailability of the transported metals to the Huelva Estuary. <i>Environment International</i> , 2007, 33, 445-455.	4.8	263
61	Hydrogeochemical characteristics of the Tinto and Odiel Rivers (SW Spain). Factors controlling metal contents. <i>Science of the Total Environment</i> , 2007, 373, 363-382.	3.9	156
62	Acid mine drainage pollution in the Tinto and Odiel rivers, SW Spain. , 2007, , .		0
63	Evaluation of the dissolved contaminant load transported by the Tinto and Odiel rivers (South West) Tj ETQq1 1 0.784314 rgBT /Over	1.4	156
64	The present environmental scenario of the Nador Lagoon (Morocco). <i>Environmental Research</i> , 2006, 102, 215-229.	3.7	98
65	Water quality of the Guadiamar River after the Aznalc�llar spill (SW Spain). <i>Chemosphere</i> , 2006, 62, 213-225.	4.2	45
66	The present environmental scenario of El Melah Lagoon (NE Tunisia) and its evolution to a future sabkha. <i>Journal of African Earth Sciences</i> , 2006, 44, 289-302.	0.9	44
67	POLLUTION OF A RIVER BASIN IMPACTED BY ACID MINE DRAINAGE IN THE IBERIAN PYRITE BELT (SW SPAIN). <i>Journal of the American Society of Mining and Reclamation</i> , 2006, 2006, 1850-1863.	0.3	0
68	Application of lead stable isotopes to the Guadiamar Aquifer study after the mine tailings spill in Aznalc�llar (SW Spain). <i>Environmental Geology</i> , 2005, 47, 197-204.	1.2	15
69	State of Contamination of the Waters in the Guadiamar Valley Five Years after the Aznalc�llar Spill. <i>Water, Air, and Soil Pollution</i> , 2005, 166, 103-119.	1.1	18
70	Distribution of rare earth elements in an alluvial aquifer affected by acid mine drainage: the Guadiamar aquifer (SW Spain). <i>Environmental Pollution</i> , 2005, 135, 53-64.	3.7	97
71	Evidence of high-energy events in the geological record: Mid-holocene evolution of the southwestern Doñana National Park (SW Spain). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 229, 212-229.	1.0	88
72	Correlation between foraminifera and sedimentary environments in recent estuaries of Southwestern Spain: Applications to holocene reconstructions. <i>Quaternary International</i> , 2005, 140-141, 21-36.	0.7	42

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73	The contaminant load transported by the river Odiel to the Gulf of Cádiz (SW Spain). Transactions of the Institution of Mining and Metallurgy Section B-Applied Earth Science, 2004, 113, 117-122.	0.8	14
74	Seasonal water quality variations in a river affected by acid mine drainage: the Odiel River (South) Tj ETQq0 0 0 rgBT (Overlock, 10 Tf 50	3.9	212
75	Characterization of hydrocarbon spreading in an alluvial aquifer by cross correlation study of precipitation and contaminant content data. Water, Air, and Soil Pollution, 1995, 81, 337-347.	1.1	1
76	Sources of precipitation over South-Eastern Spain and groundwater recharge. An isotopic study. Tellus, Series B: Chemical and Physical Meteorology, 1992, 44, 226-236.	0.8	30
77	Hydrogeological Investigation of Hydrocarbon Contamination of Ground Water in Albolote (Granada, Spain). Ground Water Monitoring and Remediation, 1992, 12, 188-194.	0.6	4