

Manuel Olias

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.

75
papers

2,281
citations

24
h-index

46
g-index

78
ext. papers

2,555
ext. citations

5.9
avg, IF

4.88
L-index

#	Paper	IF	Citations
75	Stream-pit lake interactions in an abandoned mining area affected by acid drainage (Iberian Pyrite Belt).. <i>Science of the Total Environment</i> , 2022 , 155224	10.2	0
74	Temporal evolution of acid mine drainage (AMD) leachates from the abandoned tharsis mine (Iberian Pyrite Belt, Spain).. <i>Environmental Pollution</i> , 2021 , 295, 118697	9.3	2
73	Where did Christopher Columbus start?: The estuarine scenario of a historical date. <i>Estuarine, Coastal and Shelf Science</i> , 2021 , 250, 107162	2.9	2
72	Metal(loid) release from sulfide-rich wastes to the environment: The case of the Iberian Pyrite Belt (SW Spain). <i>Current Opinion in Environmental Science and Health</i> , 2021 , 20, 100240	8.1	2
71	Geochemical behaviour and transport of technology critical metals (TCMs) by the Tinto River (SW Spain) to the Atlantic Ocean. <i>Science of the Total Environment</i> , 2021 , 764, 143796	10.2	4
70	Mine waters as a secondary source of rare earth elements worldwide: The case of the Iberian Pyrite Belt. <i>Journal of Geochemical Exploration</i> , 2021 , 224, 106742	3.8	7
69	Natural and anthropic pollution episodes during the Late Holocene evolution of the Tinto River estuary (SW Spain). <i>Scientia Marina</i> , 2021 , 85, 113-123	1.8	1
68	Inputs and fate of contaminants in a reservoir with circumneutral water affected by acid mine drainage. <i>Science of the Total Environment</i> , 2021 , 762, 143614	10.2	3
67	Seasonal evolution of natural radionuclides in two rivers affected by acid mine drainage and phosphogypsum pollution. <i>Catena</i> , 2021 , 197, 104978	5.8	2
66	Surface and Groundwater Quality Evolution in the Agrio and Guadiamar Rivers After the Aznalcollar Mine Spill (SW Spain): Lessons Learned. <i>Mine Water and the Environment</i> , 2021 , 40, 235-249	2.4	4
65	Rare earth elements in a historical mining district (south-west Spain): Hydrogeochemical behaviour and seasonal variability. <i>Chemosphere</i> , 2020 , 253, 126742	8.4	3
64	Release of technology critical metals during sulfide oxidation processes: the case of the Poderosa sulfide mine (south-west Spain). <i>Environmental Chemistry</i> , 2020 , 17, 93	3.2	9
63	Seasonal variability of extremely metal rich acid mine drainages from the Tharsis mines (SW Spain). <i>Environmental Pollution</i> , 2020 , 259, 113829	9.3	21
62	Silver and copper as pollution tracers in Neogene to Holocene estuarine sediments from southwestern Spain. <i>Marine Pollution Bulletin</i> , 2020 , 150, 110704	6.7	5
61	Evaluation of the radioactive pollution in the salt-marshes under a phosphogypsum stack system. <i>Environmental Pollution</i> , 2020 , 258, 113729	9.3	10
60	The Evolution of Pollutant Concentrations in a River Severely Affected by Acid Mine Drainage: RB Tinto (SW Spain). <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 598	2.4	11
59	Recovery of Critical Raw Materials from Acid Mine Drainage (AMD) 2020 , 219-233		0

58	Pollution evaluation on the salt-marshes under the phosphogypsum stacks of Huelva due to deep leachates. <i>Chemosphere</i> , 2019 , 230, 219-229	8.4	11
57	Causes and impacts of a mine water spill from an acidic pit lake (Iberian Pyrite Belt). <i>Environmental Pollution</i> , 2019 , 250, 127-136	9.3	21
56	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	2.2	4
55	Mineralogically-induced metal partitioning during the evaporative precipitation of efflorescent sulfate salts from acid mine drainage. <i>Chemical Geology</i> , 2019 , 530, 119339	4.2	11
54	Hydrogeochemical behavior of an anthropogenic mine aquifer: Implications for potential remediation measures. <i>Science of the Total Environment</i> , 2018 , 636, 85-93	10.2	8
53	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	5.8	12
52	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	6	11
51	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	4.2	21
50	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		3
49	Characterization of Main AMD Inputs to the Odiel River Upper Reach (SW Spain). <i>Procedia Earth and Planetary Science</i> , 2017 , 17, 602-605		4
48	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	5.1	19
47	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	6	5
46	Controls on acid mine water composition from the Iberian Pyrite Belt (SW Spain). <i>Catena</i> , 2016 , 137, 12-23	5.8	21
45	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	6	18
44	Water acidification trends in a reservoir of the Iberian Pyrite Belt (SW Spain). <i>Science of the Total Environment</i> , 2016 , 541, 400-411	10.2	23
43	Geochemical processes in a highly acidic pit lake of the Iberian Pyrite Belt (SW Spain). <i>Chemical Geology</i> , 2015 , 395, 144-153	4.2	10
42	Background Conditions and Mining Pollution throughout History in the RB Tinto (SW Spain). <i>Environments - MDPI</i> , 2015 , 2, 295-316	3.2	27
41	Geochemical behavior of metals and metalloids in an estuary affected by acid mine drainage (AMD). <i>Environmental Science and Pollution Research</i> , 2014 , 21, 2611-27	5.1	19

40	Rainfall estimation in SWAT: An alternative method to simulate orographic precipitation. <i>Journal of Hydrology</i> , 2014 , 509, 257-265	6	36
39	Trace metal partitioning over a tidal cycle in an estuary affected by acid mine drainage (Tinto estuary, SW Spain). <i>Science of the Total Environment</i> , 2014 , 497-498, 18-28	10.2	22
38	Comment on Identification of the subsurface sulfide bodies responsible for acidity in Río Tinto source water, Spain by Gómez-Ortiz et al. (Earth Planet. Sci. Lett. 391 (2014) 368-371). <i>Earth and Planetary Science Letters</i> , 2014 , 403, 456-458	5.3	3
37	Metal(loid) Attenuation Processes in an Extremely Acidic River: The Rio Tinto (SW Spain). <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	8
36	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, 7509-19	5.1	59
35	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, 572-80	10.2	6
34	Uranium behaviour in an estuary polluted by mining and industrial effluents: the Río of Huelva (SW of Spain). <i>Water Research</i> , 2013 , 47, 6269-79	12.5	17
33	Uranium behavior during a tidal cycle in an estuarine system affected by acid mine drainage (AMD). <i>Chemical Geology</i> , 2013 , 342, 110-118	4.2	13
32	Geochemistry of Quaternary sediments in terraces of the Tinto River (SW Spain): Paleoenvironmental implications. <i>Catena</i> , 2013 , 101, 1-10	5.8	11
31	Influence of releases from a fresh water reservoir on the hydrochemistry of the Tinto River (SW Spain). <i>Science of the Total Environment</i> , 2012 , 416, 418-28	10.2	24
30	Biologically-induced precipitation of sphalerite-wurtzite nanoparticles by sulfate-reducing bacteria: implications for acid mine drainage treatment. <i>Science of the Total Environment</i> , 2012 , 423, 176-84	10.2	49
29	Pollutant transport processes in the Odiel River (SW Spain) during rain events. <i>Water Resources Research</i> , 2012 , 48,	5.4	29
28	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	3.5	12
27	Groundwater contamination evolution in the Guadiamar and Agrio aquifers after the Aznalcóbar spill: assessment and environmental implications. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 3629-41	3.1	18
26	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	3.7	26
25	Trace elements in Holocene sediments of the southern Doñana National Park (SW Spain): historical pollution and applications. <i>Environmental Earth Sciences</i> , 2011 , 64, 1215-1223	2.9	13
24	Wash-out processes of evaporitic sulfate salts in the Tinto river: Hydrogeochemical evolution and environmental impact. <i>Applied Geochemistry</i> , 2010 , 25, 288-301	3.5	56
23	Natural attenuation processes in two water reservoirs receiving acid mine drainage. <i>Science of the Total Environment</i> , 2009 , 407, 2051-62	10.2	52

22	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	6	44
21	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	3.1	12
20	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	3.5	131
19	Geochemical evolution of groundwater in the carbonate aquifers of Sierra de Segura (Betic Cordillera, southern Spain). <i>Journal of Hydrology</i> , 2008 , 360, 281-296	6	100
18	Hydrochemical variations and contaminant load in the R� Tinto (Spain) during flood events. <i>Journal of Hydrology</i> , 2008 , 350, 25-40	6	88
17	Water quality and distribution of trace elements in the Do�na aquifer (SW Spain). <i>Environmental Geology</i> , 2008 , 55, 1555-1568		17
16	Hydrogeochemical characteristics of the Tinto and Odiel Rivers (SW Spain). Factors controlling metal contents. <i>Science of the Total Environment</i> , 2007 , 373, 363-82	10.2	138
15	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, 445-555	12.9	223
14	Evaluation of the dissolved contaminant load transported by the Tinto and Odiel rivers (South West Spain). <i>Applied Geochemistry</i> , 2006 , 21, 1733-1749	3.5	136
13	The present environmental scenario of the Nador Lagoon (Morocco). <i>Environmental Research</i> , 2006 , 102, 215-29	7.9	80
12	Water quality of the Guadiamar River after the Aznalc�lar spill (SW Spain). <i>Chemosphere</i> , 2006 , 62, 213-254	5.4	38
11	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	2.2	34
10	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	9.3	79
9	Evidence of high-energy events in the geological record: Mid-holocene evolution of the southwestern Do�na National Park (SW Spain). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005 , 229, 212-229	2.9	76
8	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	2	33
7	Application of lead stable isotopes to the Guadiamar Aquifer study after the mine tailings spill in Aznalc�lar (SW Spain). <i>Environmental Geology</i> , 2005 , 47, 197-204		14
6	State of Contamination of the Waters in the Guadiamar Valley Five Years after the Aznalc�lar Spill. <i>Water, Air, and Soil Pollution</i> , 2005 , 166, 103-119	2.6	14
5	The contaminant load transported by the river Odiel to the Gulf of C�iz (SW Spain). <i>Transactions of the Institution of Mining and Metallurgy Section B-Applied Earth Science</i> , 2004 , 113, 117-122		11

4	Seasonal water quality variations in a river affected by acid mine drainage: the Odiel River (South West Spain). <i>Science of the Total Environment</i> , 2004 , 333, 267-81	10.2	191
3	Characterization of hydrocarbon spreading in an alluvial aquifer by cross correlation study of precipitation and contaminant content data. <i>Water, Air, and Soil Pollution</i> , 1995 , 81, 337-347	2.6	1
2	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1992 , 44, 226-236	3.3	29
1	Hydrogeological Investigation of Hydrocarbon Contamination of Ground Water in Albolote (Granada, Spain). <i>Ground Water Monitoring and Remediation</i> , 1992 , 12, 188-194	1.4	4