

# Jose Miguel Nieto

## 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.

154  
papers

5,945  
citations

43  
h-index

70  
g-index

159  
ext. papers

6,605  
ext. citations

5.5  
avg, IF

5.77  
L-index

#	Paper	IF	Citations
154	Mine waste from carbonatite deposits as potential rare earth resource: Insight into the Phalaborwa (Palabora) Complex. <i>Journal of Geochemical Exploration</i> , <b>2022</b> , 232, 106884	3.8	1
153	Closing the upcoming EU gypsum gap with phosphogypsum. <i>Resources, Conservation and Recycling</i> , <b>2022</b> , 182, 106328	11.9	3
152	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> , <b>2021</b> , 20, 100240	8.1	2
151	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> , <b>2021</b> , 764, 143796	10.2	4
150	Environmental and geochemical characterization of alkaline mine wastes from Phalaborwa (Palabora) Complex, South Africa. <i>Journal of Geochemical Exploration</i> , <b>2021</b> , 224, 106757	3.8	1
149	Mine waters as a secondary source of rare earth elements worldwide: The case of the Iberian Pyrite Belt. <i>Journal of Geochemical Exploration</i> , <b>2021</b> , 224, 106742	3.8	7
148	Eco-sustainable passive treatment for mine waters: Full-scale and long-term demonstration. <i>Journal of Environmental Management</i> , <b>2021</b> , 280, 111699	7.9	4
147	Bioaccessibility and human exposure to metals in urban soils (Huelva, SW Spain): evaluation by in vitro gastric extraction. <i>Environmental Geochemistry and Health</i> , <b>2021</b> , 1	4.7	1
146	Captaci3n y selecci3n de materias primas en la primera metalurgia del Sureste de la península ibérica. <i>Trabajos De Prehistoria</i> , <b>2020</b> , 77, 87	0.6	1
145	Release of technology critical metals during sulfide oxidation processes: the case of the Poderosa sulfide mine (south-west Spain). <i>Environmental Chemistry</i> , <b>2020</b> , 17, 93	3.2	9
144	The Evolution of Pollutant Concentrations in a River Severely Affected by Acid Mine Drainage: R3o Tinto (SW Spain). <i>Minerals (Basel, Switzerland)</i> , <b>2020</b> , 10, 598	2.4	11
143	Recovery of Critical Raw Materials from Acid Mine Drainage (AMD) <b>2020</b> , 219-233		0
142	Effects of redox oscillations on the phosphogypsum waste in an estuarine salt-marsh system. <i>Chemosphere</i> , <b>2020</b> , 242, 125174	8.4	1
141	Influence of As(V) on precipitation and transformation of schwertmannite in acid mine drainage-impacted waters. <i>European Journal of Mineralogy</i> , <b>2019</b> , 31, 237-245	2.2	7
140	Causes and impacts of a mine water spill from an acidic pit lake (Iberian Pyrite Belt). <i>Environmental Pollution</i> , <b>2019</b> , 250, 127-136	9.3	21
139	Abundance and composition of kaolinite on Mars: Information from NIR spectra of rocks from acid-alteration environments, Riotinto, SE Spain. <i>Icarus</i> , <b>2019</b> , 330, 30-41	3.8	4
138	DIET AND ENVIRONMENT IN SOUTH-EASTERN IBERIA DURING THE BRONZE AGE, BASED ON ISOTOPE ANALYSIS OF HUMAN REMAINS. <i>Oxford Journal of Archaeology</i> , <b>2019</b> , 38, 189-213	0.3	3

137	Trace elements and lead isotopic composition of copper deposits from the eastern part of the Internal Zone of the Betic Cordillera (SE Iberia): application to provenance of archaeological materials. <i>Journal of Iberian Geology</i> , <b>2019</b> , 45, 585-608	1.1	9
136	Mineral reactivity in sulphide mine wastes: influence of mineralogy and grain size on metal release. <i>European Journal of Mineralogy</i> , <b>2019</b> , 31, 263-273	2.2	4
135	Mineralogically-induced metal partitioning during the evaporative precipitation of efflorescent sulfate salts from acid mine drainage. <i>Chemical Geology</i> , <b>2019</b> , 530, 119339	4.2	11
134	Historical roasting of thallium- and arsenic-bearing pyrite: Current Tl pollution in the Riotinto mine area. <i>Science of the Total Environment</i> , <b>2019</b> , 648, 1263-1274	10.2	28
133	Sulfate reduction processes in salt marshes affected by phosphogypsum: Geochemical influences on contaminant mobility. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 350, 154-161	12.8	18
132	Unraveling the impact of chronic exposure to metal pollution through human gallstones. <i>Science of the Total Environment</i> , <b>2018</b> , 624, 1031-1040	10.2	7
131	Effects of seawater mixing on the mobility of trace elements in acid phosphogypsum leachates. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 127, 695-703	6.7	13
130	Metal fractionation in marine sediments acidified by enrichment of CO: A risk assessment. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 131, 611-619	6.7	10
129	Stable isotope insights into the weathering processes of a phosphogypsum disposal area. <i>Water Research</i> , <b>2018</b> , 140, 344-353	12.5	9
128	Mobility of rare earth elements, yttrium and scandium from a phosphogypsum stack: Environmental and economic implications. <i>Science of the Total Environment</i> , <b>2018</b> , 618, 847-857	10.2	36
127	Diverse mineral assemblages of acidic alteration in the Rio Tinto area (southwest Spain): Implications for Mars. <i>American Mineralogist</i> , <b>2018</b> , 103, 1877-1890	2.9	5
126	Determination of denudation rates by the measurement of meteoric Be in Guadiana river sediment samples (Spain) by low-energy AMS. <i>Journal of Environmental Radioactivity</i> , <b>2018</b> , 189, 227-235	2.4	3
125	An anomalous metal-rich phosphogypsum: Characterization and classification according to international regulations. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 331, 99-108	12.8	43
124	Rare earth elements mobility processes in an AMD-affected estuary: Huelva Estuary (SW Spain). <i>Marine Pollution Bulletin</i> , <b>2017</b> , 121, 282-291	6.7	13
123	A novel approach for acid mine drainage pollution biomonitoring using rare earth elements bioaccumulated in the freshwater clam <i>Corbicula fluminea</i> . <i>Journal of Hazardous Materials</i> , <b>2017</b> , 338, 466-471	12.8	27
122	Role of Arsenic During the Aging of Acid Mine Drainage Precipitates. <i>Procedia Earth and Planetary Science</i> , <b>2017</b> , 17, 233-236		4
121	Basaluminite Structure and its Environmental Implications. <i>Procedia Earth and Planetary Science</i> , <b>2017</b> , 17, 237-240		5
120	Metal/loid Release from Cyanidation Wastes in Response to Rainfalls. <i>Procedia Earth and Planetary Science</i> , <b>2017</b> , 17, 436-439		

119	Preliminary Results of Ecotoxicological Assessment of an Acid Mine Drainage (AMD) Passive Treatment System Testing Water Quality of Depurated Lixiviates. <i>Procedia Earth and Planetary Science</i> , <b>2017</b> , 17, 269-272		2
118	Exploration of fertilizer industry wastes as potential source of critical raw materials. <i>Journal of Cleaner Production</i> , <b>2017</b> , 143, 497-505	10.3	28
117	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> , <b>2017</b> , 24, 4506-4516	5.1	19
116	Arsenate and Selenate Scavenging by Basaluminite: Insights into the Reactivity of Aluminum Phases in Acid Mine Drainage. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 28-37	10.3	27
115	Alfarería y metalurgia en el Suroeste de la Península Ibérica durante el III Milenio A.N.E.: elecciones tecnológicas en la manufactura de instrumentos cerámicos vinculados al proceso metalúrgico. <i>Complutum</i> , <b>2017</b> , 28, 51-69	0.2	1
114	Geochemical mapping, environmental assessment and Pb isotopic signatures of geogenic and anthropogenic sources in three localities in SW Spain with different land use and geology. <i>Journal of Geochemical Exploration</i> , <b>2017</b> , 181, 172-190	3.8	9
113	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> , <b>2017</b> , 550, 590-602	6	5
112	Mineralogical evolution of the Las Cruces gossan cap (Iberian Pyrite Belt): From subaerial to underground conditions. <i>Ore Geology Reviews</i> , <b>2017</b> , 80, 377-405	3.2	7
111	Management strategies and valorization for waste sludge from active treatment of extremely metal-polluted acid mine drainage: A contribution for sustainable mining. <i>Journal of Cleaner Production</i> , <b>2017</b> , 141, 1057-1066	10.3	40
110	The nanocrystalline structure of basaluminite, an aluminum hydroxide sulfate from acid mine drainage. <i>American Mineralogist</i> , <b>2017</b> , 102, 2381-2389	2.9	12
109	The Betic Ophiolites and the Mesozoic Evolution of the Western Tethys. <i>Geosciences (Switzerland)</i> , <b>2017</b> , 7, 31	2.7	23
108	Controls on acid mine water composition from the Iberian Pyrite Belt (SW Spain). <i>Catena</i> , <b>2016</b> , 137, 12-23	5.8	21
107	Combined microstructural and mineralogical phase characterization of gallstones in a patient-based study in SW Spain - Implications for environmental contamination in their formation. <i>Science of the Total Environment</i> , <b>2016</b> , 573, 433-443	10.2	11
106	Bioavailability and toxicity of metals from a contaminated sediment by acid mine drainage: linking exposure-response relationships of the freshwater bivalve <i>Corbicula fluminea</i> to contaminated sediment. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 22957-22967	5.1	8
105	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> , <b>2016</b> , 540, 196-206	6	18
104	Assessment of metal contamination, bioavailability, toxicity and bioaccumulation in extreme metallic environments (Iberian Pyrite Belt) using <i>Corbicula fluminea</i> . <i>Science of the Total Environment</i> , <b>2016</b> , 544, 1031-44	10.2	50
103	Water acidification trends in a reservoir of the Iberian Pyrite Belt (SW Spain). <i>Science of the Total Environment</i> , <b>2016</b> , 541, 400-411	10.2	23
102	Long term fluctuations of groundwater mine pollution in a sulfide mining district with dry Mediterranean climate: Implications for water resources management and remediation. <i>Science of the Total Environment</i> , <b>2016</b> , 539, 427-435	10.2	42

101	Recovery of Rare Earth Elements and Yttrium from Passive-Remediation Systems of Acid Mine Drainage. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 8255-62	10.3	145
100	Trace element-mineral associations in modern and ancient iron terraces in acid drainage environments. <i>Catena</i> , <b>2016</b> , 147, 386-393	5.8	9
99	Geochemical processes in a highly acidic pit lake of the Iberian Pyrite Belt (SW Spain). <i>Chemical Geology</i> , <b>2015</b> , 395, 144-153	4.2	10
98	Environmental tracers for elucidating the weathering process in a phosphogypsum disposal site: Implications for restoration. <i>Journal of Hydrology</i> , <b>2015</b> , 529, 1313-1323	6	32
97	The Las Cruces deposit, Iberian Pyrite Belt, Spain. <i>Ore Geology Reviews</i> , <b>2015</b> , 66, 25-46	3.2	13
96	Background Conditions and Mining Pollution throughout History in the R� Tinto (SW Spain). <i>Environments - MDPI</i> , <b>2015</b> , 2, 295-316	3.2	27
95	Gold Behavior in Supergene Profiles Under Changing Redox Conditions: The Example of the Las Cruces Deposit, Iberian Pyrite Belt. <i>Economic Geology</i> , <b>2015</b> , 110, 2109-2126	4.3	15
94	Raman identification of Fe precipitates and evaluation of As fate during phase transformation in Tinto and Odiel River Basins. <i>Chemical Geology</i> , <b>2015</b> , 398, 22-31	4.2	13
93	Holocene ochreous lacustrine sediments within the Famatina Belt, NW Argentina: A natural case for fossil damming of an acid drainage system. <i>Journal of South American Earth Sciences</i> , <b>2014</b> , 52, 149-165	2.5	5
92	Supergene enrichment of precious metals by natural amalgamation in the Las Cruces weathering profile (Iberian Pyrite Belt, SW Spain). <i>Ore Geology Reviews</i> , <b>2014</b> , 58, 14-26	3.2	24
91	Erica andevalensis and Erica australis growing in the same extreme environments: Phytostabilization potential of mining areas. <i>Geoderma</i> , <b>2014</b> , 230-231, 194-203	6.7	33
90	Gold in the Southwest of the Iberian Peninsula during the 3rd Millennium BC. <i>Journal of Archaeological Science</i> , <b>2014</b> , 41, 691-704	2.9	31
89	Comment on Identification of the subsurface sulfide bodies responsible for acidity in R� Tinto source water, Spain by G�mez-Ortiz et al. (Earth Planet. Sci. Lett. 391 (2014) 364-371). <i>Earth and Planetary Science Letters</i> , <b>2014</b> , 403, 456-458	5.3	3
88	Metal(loid) Attenuation Processes in an Extremely Acidic River: The Rio Tinto (SW Spain). <i>Water, Air, and Soil Pollution</i> , <b>2014</b> , 225, 1	2.6	8
87	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> , <b>2013</b> , 20, 7509-19	5.1	59
86	Assessment of the dissolved pollutant flux of the Odiel River (SW Spain) during a wet period. <i>Science of the Total Environment</i> , <b>2013</b> , 463-464, 572-80	10.2	6
85	Acid mine drainage in the Iberian Pyrite Belt: 2. Lessons learned from recent passive remediation experiences. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 7837-53	5.1	60
84	Metastability, nanocrystallinity and pseudo-solid solution effects on the understanding of schwertmannite solubility. <i>Chemical Geology</i> , <b>2013</b> , 360-361, 22-31	4.2	39

83	Formation of a hardpan in the co-disposal of fly ash and sulfide mine tailings and its influence on the generation of acid mine drainage. <i>Chemical Geology</i> , <b>2013</b> , 355, 45-55	4.2	22
82	The role of mineralogy on element mobility in two sulfide mine tailings from the Iberian Pyrite Belt (SW Spain). <i>Chemical Geology</i> , <b>2013</b> , 345, 119-129	4.2	17
81	Influence of releases from a fresh water reservoir on the hydrochemistry of the Tinto River (SW Spain). <i>Science of the Total Environment</i> , <b>2012</b> , 416, 418-28	10.2	24
80	Biologically-induced precipitation of sphalerite-wurtzite nanoparticles by sulfate-reducing bacteria: implications for acid mine drainage treatment. <i>Science of the Total Environment</i> , <b>2012</b> , 423, 176-84	10.2	49
79	Natural pretreatment and passive remediation of highly polluted acid mine drainage. <i>Journal of Environmental Management</i> , <b>2012</b> , 104, 93-100	7.9	56
78	Evaluation of organic substrates to enhance the sulfate-reducing activity in phosphogypsum. <i>Science of the Total Environment</i> , <b>2012</b> , 439, 106-13	10.2	24
77	Sea-level rise and anthropogenic activities recorded in the late Pleistocene/Holocene sedimentary infill of the Guadiana Estuary (SW Iberia). <i>Quaternary Science Reviews</i> , <b>2012</b> , 33, 121-141	3.9	72
76	From highly polluted Zn-rich acid mine drainage to non-metallic waters: implementation of a multi-step alkaline passive treatment system to remediate metal pollution. <i>Science of the Total Environment</i> , <b>2012</b> , 433, 323-30	10.2	58
75	Environmental assessment and management of metal-rich wastes generated in acid mine drainage passive remediation systems. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 229-230, 107-14	12.8	35
74	Enrichment of rare earth elements as environmental tracers of contamination by acid mine drainage in salt marshes: a new perspective. <i>Marine Pollution Bulletin</i> , <b>2012</b> , 64, 1799-808	6.7	80
73	Occurrence and mobility of As in the Ylvi Cu-As mine tailings. <i>Journal of Geochemical Exploration</i> , <b>2012</b> , 114, 36-45	3.8	13
72	Pollutant transport processes in the Odiel River (SW Spain) during rain events. <i>Water Resources Research</i> , <b>2012</b> , 48,	5.4	29
71	Refining the estimation of metal loads dissolved in acid mine drainage by continuous monitoring of specific conductivity and water level. <i>Applied Geochemistry</i> , <b>2012</b> , 27, 1932-1943	3.5	12
70	Dissolved and particulate metals and arsenic species mobility along a stream affected by Acid Mine Drainage in the Iberian Pyrite Belt (SW Spain). <i>Applied Geochemistry</i> , <b>2012</b> , 27, 1944-1952	3.5	27
69	Heavy metals fractionation and multivariate statistical techniques to evaluate the environmental risk in soils of Huelva Township (SW Iberian Peninsula). <i>Journal of Geochemical Exploration</i> , <b>2012</b> , 119-120, 32-43	3.8	82
68	Arsenic speciation in soils and <i>Erica andevalensis</i> Cabezudo & Rivera and <i>Erica australis</i> L. from Sã Domingos Mine area, Portugal. <i>Journal of Geochemical Exploration</i> , <b>2012</b> , 119-120, 51-59	3.8	21
67	Changes in mobility of hazardous elements during coal combustion in Santa Catarina power plant (Brazil). <i>Fuel</i> , <b>2012</b> , 94, 495-503	7.1	168
66	Source and impact of lead contamination on $\alpha$ -aminolevulinic acid dehydratase activity in several marine bivalve species along the Gulf of Cadiz. <i>Aquatic Toxicology</i> , <b>2011</b> , 101, 146-54	5.1	23



65	Synchrotron-based X-ray study of iron oxide transformations in terraces from the Tinto-Odiel river system: Influence on arsenic mobility. <i>Chemical Geology</i> , <b>2011</b> , 280, 336-343	4.2	22
64	Seasonal variations in the formation of Al and Si rich Fe-stromatolites in the highly polluted acid mine drainage of Agua Agria Creek (Tharsis, SW Spain). <i>Chemical Geology</i> , <b>2011</b> , 284, 97-104	4.2	17
63	Environmental geochemical mapping of Huelva municipality soils (SW Spain) as a tool to determine background and baseline values. <i>Journal of Geochemical Exploration</i> , <b>2011</b> , 109, 59-69	3.8	53
62	Speciation and ecological risk of toxic elements in estuarine sediments affected by multiple anthropogenic contributions (Guadiana saltmarshes, SW Iberian Peninsula): I. Surficial sediments. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 3666-79	10.2	88
61	Toxicity and potential risk assessment of a river polluted by acid mine drainage in the Iberian Pyrite Belt (SW Spain). <i>Science of the Total Environment</i> , <b>2011</b> , 409, 4763-71	10.2	65
60	Petrology, geochemistry and U-Pb geochronology of the Betic Ophiolites: Inferences for Pangaea break-up and birth of the westernmost Tethys Ocean. <i>Lithos</i> , <b>2011</b> , 124, 255-272	2.9	53
59	Evaluation of heavy metals and arsenic speciation discharged by the industrial activity on the Tinto-Odiel estuary, SW Spain. <i>Marine Pollution Bulletin</i> , <b>2011</b> , 62, 405-11	6.7	29
58	Assessment of phosphogypsum impact on the salt-marshes of the Tinto river (SW Spain): role of natural attenuation processes. <i>Marine Pollution Bulletin</i> , <b>2011</b> , 62, 2787-96	6.7	22
57	Long term remediation of highly polluted acid mine drainage: a sustainable approach to restore the environmental quality of the Odiel river basin. <i>Environmental Pollution</i> , <b>2011</b> , 159, 3613-9	9.3	59
56	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> , <b>2011</b> , 25, 201-215	3.7	26
55	A case study of the internal structures of gossans and weathering processes in the Iberian Pyrite Belt using magnetic fabrics and paleomagnetic dating. <i>Mineralium Deposita</i> , <b>2011</b> , 46, 981-999	4.8	32
54	Mineralogy and geochemistry of Zn-rich mine-drainage precipitates from an MgO passive treatment system by synchrotron-based X-ray analysis. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 7826-33	10.3	15
53	Acid neutralization by dissolution of alkaline paper mill wastes and implications for treatment of sulfide-mine drainage. <i>American Mineralogist</i> , <b>2011</b> , 96, 781-791	2.9	19
52	Hydrochemical performance and mineralogical evolution of a dispersed alkaline substrate (DAS) remediating the highly polluted acid mine drainage in the full-scale passive treatment of Mina Esperanza (SW Spain). <i>American Mineralogist</i> , <b>2011</b> , 96, 1270-1277	2.9	25
51	Rare earth element geochemistry of sulphide weathering in the S-B Domingos mine area (Iberian Pyrite Belt): A proxy for fluid-rock interaction and ancient mining pollution. <i>Chemical Geology</i> , <b>2010</b> , 276, 29-40	4.2	70
50	Wash-out processes of evaporitic sulfate salts in the Tinto river: Hydrogeochemical evolution and environmental impact. <i>Applied Geochemistry</i> , <b>2010</b> , 25, 288-301	3.5	56
49	Dynamics of contaminants in phosphogypsum of the fertilizer industry of Huelva (SW Spain): From phosphate rock ore to the environment. <i>Applied Geochemistry</i> , <b>2010</b> , 25, 705-715	3.5	96
48	Analysis of the spatial variation of heavy metals in the Guadiana Estuary sediments (SW Iberian Peninsula) based on GIS-mapping techniques. <i>Estuarine, Coastal and Shelf Science</i> , <b>2010</b> , 88, 71-83	2.9	94

47	Neutralization of acid mine drainage using the final product from CO <sub>2</sub> emissions capture with alkaline paper mill waste. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 177, 762-72	12.8	39
46	Sequential extraction and DXRD applicability to poorly crystalline Fe- and Al-phase characterization from an acid mine water passive remediation system. <i>American Mineralogist</i> , <b>2009</b> , 94, 1029-1038	2.9	42
45	Natural attenuation processes in two water reservoirs receiving acid mine drainage. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 2051-62	10.2	52
44	Combination of sequential chemical extraction and modelling of dam-break wave propagation to aid assessment of risk related to the possible collapse of a roasted sulphide tailings dam. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 5761-71	10.2	23
43	Application of the SWAT model to an AMD-affected river (Meca River, SW Spain). Estimation of transported pollutant load. <i>Journal of Hydrology</i> , <b>2009</b> , 377, 445-454	6	44
42	Environmental Impact of Mining Activities in the Southern Sector of the Guadiana Basin (SW of the Iberian Peninsula). <i>Water, Air, and Soil Pollution</i> , <b>2009</b> , 199, 323-341	2.6	37
41	The Betic Ophiolitic Association: A Very Significant Geological Heritage That Needs to be Preserved. <i>Geoheritage</i> , <b>2009</b> , 1, 11-31	2.6	11
40	Mineral sequestration of CO <sub>2</sub> by aqueous carbonation of coal combustion fly-ash. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 161, 1347-54	12.8	235
39	Inorganic arsenic speciation at river basin scales: the Tinto and Odiel rivers in the Iberian Pyrite Belt, SW Spain. <i>Environmental Pollution</i> , <b>2009</b> , 157, 1202-9	9.3	55
38	Evaluation of heavy metal bio-availability from Almagrera pyrite-rich tailings dam (Iberian Pyrite Belt, SW Spain) based on a sequential extraction procedure. <i>Journal of Geochemical Exploration</i> , <b>2009</b> , 102, 87-94	3.8	64
37	Hydrochemical characteristics and seasonal influence on the pollution by acid mine drainage in the Odiel river Basin (SW Spain). <i>Applied Geochemistry</i> , <b>2009</b> , 24, 697-714	3.5	131
36	Attenuation of pyrite oxidation with a fly ash pre-barrier: Reactive transport modelling of column experiments. <i>Applied Geochemistry</i> , <b>2009</b> , 24, 1712-1723	3.5	29
35	Field multi-step limestone and MgO passive system to treat acid mine drainage with high metal concentrations. <i>Applied Geochemistry</i> , <b>2009</b> , 24, 2301-2311	3.5	64
34	Prediction of the environmental impact of modern slags: A petrological and chemical comparative study with Roman age slags. <i>American Mineralogist</i> , <b>2009</b> , 94, 1417-1427	2.9	19
33	Hydrochemical variations and contaminant load in the R <sup>o</sup> Tinto (Spain) during flood events. <i>Journal of Hydrology</i> , <b>2008</b> , 350, 25-40	6	88
32	The smelting quarter of Valencina de la Concepci <sup>o</sup> n (Seville, Spain): the specialised copper industry in a political centre of the Guadalquivir Valley during the Third millennium BC (2750-500 BC). <i>Journal of Archaeological Science</i> , <b>2008</b> , 35, 717-732	2.9	54
31	Carbonation of alkaline paper mill waste to reduce CO <sub>2</sub> greenhouse gas emissions into the atmosphere. <i>Applied Geochemistry</i> , <b>2008</b> , 23, 2292-2300	3.5	82
30	Use of sequential extraction procedure for assessing the environmental impact at regional scale of the S <sup>o</sup> Domingos Mine (Iberian Pyrite Belt). <i>Applied Geochemistry</i> , <b>2008</b> , 23, 3452-3463	3.5	102



29	Iron isotopes in acid mine waters and iron-rich solids from the Tinto-Odiel Basin (Iberian Pyrite Belt, Southwest Spain). <i>Chemical Geology</i> , <b>2008</b> , 253, 162-171	4.2	26
28	Potential environmental impact at S8 Domingos mining district (Iberian Pyrite Belt, SW Iberian Peninsula): evidence from a chemical and mineralogical characterization. <i>Environmental Geology</i> , <b>2008</b> , 55, 1797-1809		73
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21	Utilization of fly ash to improve the quality of the acid mine drainage generated by oxidation of a sulphide-rich mining waste: column experiments. <i>Chemosphere</i> , <b>2007</b> , 67, 1637-46	8.4	56
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