

# Jacinto Alonso-Azcárate

## List of Publications by Year in descending order

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74  
papers

2,325  
citations

218677

26  
h-index

223800

46  
g-index

74  
all docs

74  
docs citations

74  
times ranked

2513  
citing authors

#	ARTICLE	IF	CITATIONS
1	Does environmental risk really change in abandoned mining areas in the medium term when no control measures are taken?. <i>Chemosphere</i> , 2022, 291, 133129.	8.2	12
2	Review and critical examination of fine-grained soil classification systems based on plasticity. <i>Applied Clay Science</i> , 2021, 200, 105955.	5.2	22
3	Sintering of sepiolite-rich by-products for the manufacture of lightweight aggregates: technological properties, thermal behavior and mineralogical changes. <i>Materiales De Construccion</i> , 2021, 71, e241.	0.7	3
4	Reply to Discussion on "Review and critical examination of fine-grained soil classification systems based on plasticity" by J. M. Moreno-Maroto, J. Alonso-Azcárate and B. C. O'Kelly, <i>Applied Clay Science</i> 200 (2021) 105955. <i>Applied Clay Science</i> , 2021, 206, 106074.	5.2	3
5	Studying the feasibility of a selection of Southern European ceramic clays for the production of lightweight aggregates. <i>Construction and Building Materials</i> , 2020, 237, 117583.	7.2	32
6	Geochemical markers of paleoenvironments, weathering, and provenance in Permian–Triassic terrestrial sediments. <i>Journal of Sedimentary Research</i> , 2020, 90, 906-920.	1.6	3
7	Unraveling the expansion mechanism in lightweight aggregates: Demonstrating that bloating barely requires gas. <i>Construction and Building Materials</i> , 2020, 247, 118583.	7.2	23
8	Permian-Triassic Rifting Stage. <i>Regional Geology Reviews</i> , 2019, , 29-112.	1.2	26
9	Manufacturing of lightweight aggregates from biomass fly ash, beer bagasse, Zn-rich industrial sludge and clay by slow firing. <i>Journal of Environmental Management</i> , 2019, 246, 785-795.	7.8	16
10	Could acidity be the reason behind the Early Triassic biotic crisis on land?. <i>Chemical Geology</i> , 2019, 515, 77-86.	3.3	8
11	A study on the valorization of a metallic ore mining tailing and its combination with polymeric wastes for lightweight aggregates production. <i>Journal of Cleaner Production</i> , 2019, 212, 997-1007.	9.3	24
12	Study of the suitability of a new structural concrete manufactured with carbon fiber reinforced lightweight aggregates sintered from wastes. <i>Materiales De Construccion</i> , 2019, 69, 204.	0.7	2
13	Assessment of crystalline phase changes and glass formation by Rietveld-XRD method on ceramic lightweight aggregates sintered from mineral and polymeric wastes. <i>Ceramics International</i> , 2018, 44, 11840-11851.	4.8	20
14	Performance of waste-based amendments to reduce metal release from mine tailings: One-year leaching behaviour. <i>Journal of Environmental Management</i> , 2018, 209, 1-8.	7.8	24
15	What is clay? A new definition of "clay" based on plasticity and its impact on the most widespread soil classification systems. <i>Applied Clay Science</i> , 2018, 161, 57-63.	5.2	75
16	Effect heating dwell time has on the retention of heavy metals in the structure of lightweight aggregates manufactured from wastes. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 2511-2523.	2.2	7
17	Recovering hydromorphological functionality to improve natural purification capacity of a highly human-modified wetland. <i>Ecological Engineering</i> , 2017, 103, 332-343.	3.6	7
18	Comparison of extractants used for the assessment of mercury availability in a soil from the Almadén mining district (Spain). <i>Environmental Science and Pollution Research</i> , 2017, 24, 12963-12970.	5.3	8

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19	Petrographic and geochemical evidence for multiphase formation of carbonates in the Martian orthopyroxenite Allan Hills 84001. <i>Meteoritics and Planetary Science</i> , 2017, 52, 1030-1047.	1.6	13
20	Manufacturing of lightweight aggregates with carbon fiber and mineral wastes. <i>Cement and Concrete Composites</i> , 2017, 83, 335-348.	10.7	44
21	Development of lightweight aggregates from stone cutting sludge, plastic wastes and sepiolite rejections for agricultural and environmental purposes. <i>Journal of Environmental Management</i> , 2017, 200, 229-242.	7.8	14
22	Potentially harmful elements in soils and holm-oak trees ( <i>Quercus ilex</i> L.) growing in mining sites at the Valle de Alcudia Pb-Zn district (Spain)â€“Some clues on plant metal uptake. <i>Journal of Geochemical Exploration</i> , 2017, 182, 166-179.	3.2	21
23	Synthesis and characterisation of analogues for interplanetary dust and meteoric smoke particles. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 162, 178-191.	1.6	7
24	Asteroid Mining: Mineral Resources in Undifferentiated Bodies from the Chemical Composition of Carbonaceous Chondrites. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2017, , 73-101.	0.3	8
25	Plastic Limit and Other Consistency Parameters by a Bending Method and Interpretation of Plasticity Classification in Soils. <i>Geotechnical Testing Journal</i> , 2017, 40, 467-482.	1.0	24
26	Reply to Discussion on: An accurate, quick and simple method to determine the plastic limit and consistency changes in all types of clay and soil: The thread bending test Moreno-Maroto, J. M. and Alonso-Azcarate, J. <i>Applied Clay Science</i> . 114, 497-508. <i>Applied Clay Science</i> , 2016, 123, 222-223.	5.2	0
27	Valorization of washing aggregate sludge and sewage sludge for lightweight aggregates production. <i>Construction and Building Materials</i> , 2016, 116, 252-262.	7.2	50
28	EDTA and hydrochloric acid effects on mercury accumulation by <i>Lupinus albus</i> . <i>Environmental Science and Pollution Research</i> , 2016, 23, 24739-24748.	5.3	11
29	A Bending Test for Determining the Atterberg Plastic Limit in Soils. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	2
30	Quantifying aluminium phosphateâ€“sulphate minerals as markers of acidic conditions during the Permianâ€“Triassic transition in the Iberian Ranges, E Spain. <i>Chemical Geology</i> , 2016, 429, 10-20.	3.3	14
31	Evolution of the pollution in the Piedras River Natural Site (Gulf of Cadiz, southern Spain) during the Holocene. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	10
32	Chemical and plant tests to assess the viability of amendments to reduce metal availability in mine soils and tailings. <i>Environmental Science and Pollution Research</i> , 2016, 23, 6046-6054.	5.3	12
33	An accurate, quick and simple method to determine the plastic limit and consistency changes in all types of clay and soil: The thread bending test. <i>Applied Clay Science</i> , 2015, 114, 497-508.	5.2	19
34	The ArdÃ³n L6 ordinary chondrite: A longâ€“hidden Spanish meteorite fall. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1475-1484.	1.6	3
35	UV to far-IR reflectance spectra of carbonaceous chondrites â€“ I. Implications for remote characterization of dark primitive asteroids targeted by sample-return missions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 227-240.	4.4	26
36	Effect of prefiring and firing dwell times on the properties of artificial lightweight aggregates. <i>Construction and Building Materials</i> , 2014, 53, 91-101.	7.2	56

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37	Environmental geochemistry of a highly polluted area: The La Union Pb-Zn mine (Castilla-La Mancha) Tj ETQq1 1.0.784314.rgBT /Ower	3.2	26
38	Sources of Sr and S In Aluminum-Phosphate-Sulfate Minerals In Early-Middle Triassic Sandstones (Iberian Ranges, Spain) and Paleoenvironmental Implications for the West Tethys. Journal of Sedimentary Research, 2013, 83, 406-426.	1.6	7
39	Palaeoenvironmental implications of aluminium phosphate-sulphate minerals in Early-Middle Triassic continental sediments, SE Iberian Range (Spain). Sedimentary Geology, 2013, 289, 169-181.	2.1	14
40	The 2011 October Draconids outburst - I. Orbital elements, meteoroid fluxes and 21P/Giacobini-Zinner delivered mass to Earth. Monthly Notices of the Royal Astronomical Society, 2013, 433, 560-570.	4.4	23
41	First report of a Middle-Upper Permian magmatism in the SE Iberian Ranges: characterisation and comparison with coeval magmatisms in the western Tethys. Journal of Iberian Geology, 2013, 38, .	1.3	4
42	Orbit, emission spectrum, and photometric analysis of two flickering sporadic fireballs. Astronomy and Astrophysics, 2013, 555, A149.	5.1	5
43	Chemical partitioning in lightweight aggregates manufactured from washing aggregate sludge, fly ash and used motor oil. Journal of Environmental Management, 2012, 109, 43-53.	7.8	12
44	Effect of thermal treatment on the retention of chemical elements in the structure of lightweight aggregates manufactured from contaminated mine soil and fly ash. Construction and Building Materials, 2012, 35, 497-507.	7.2	46
45	Heavy metal chemical fractionation and immobilization in lightweight aggregates produced from mining and industrial waste. International Journal of Environmental Science and Technology, 2011, 8, 667-676.	3.5	9
46	Lumbricus terrestris L. activity increases the availability of metals and their accumulation in maize and barley. Environmental Pollution, 2011, 159, 722-728.	7.5	39
47	Microstructure and mineralogy of lightweight aggregates manufactured from mining and industrial wastes. Construction and Building Materials, 2011, 25, 3591-3602.	7.2	60
48	Tsunami vs. storm surge deposits: a review of the sedimentological and geomorphological records of extreme wave events (EWE) during the Holocene in the Gulf of Cadiz, Spain. Zeitschrift für Geomorphologie, 2010, 54, 301-316.	0.8	57
49	Microstructure and mineralogy of lightweight aggregates produced from washing aggregate sludge, fly ash and used motor oil. Cement and Concrete Composites, 2010, 32, 694-707.	10.7	58
50	PHYTOEXTRACTION OF METAL POLLUTED SOILS AROUND A Pb-Zn MINE BY CROP PLANTS. International Journal of Phytoremediation, 2009, 11, 360-384.	3.1	25
51	Analysis of potential direct insolation as a degradation factor of cave paintings in Villar del Humo, Cuenca, Central Spain. Geoarchaeology - an International Journal, 2009, 24, 450-465.	1.5	12
52	Heavy metal distribution and chemical speciation in tailings and soils around a Pb-Zn mine in Spain. Journal of Environmental Management, 2009, 90, 1106-1116.	7.8	541
53	Production of lightweight aggregates from mining and industrial wastes. Journal of Environmental Management, 2009, 90, 2801-2812.	7.8	90
54	Characterization of lightweight aggregates manufactured from washing aggregate sludge and fly ash. Resources, Conservation and Recycling, 2009, 53, 571-581.	10.8	96

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55	Effects of earthworms on metal uptake of heavy metals from polluted mine soils by different crop plants. <i>Chemosphere</i> , 2009, 75, 1035-1041.	8.2	46
56	Assessment of Metal Availability in Soils from a Pb-Zn Mine Site of South-Central Spain. <i>Soil and Sediment Contamination</i> , 2009, 18, 619-641.	1.9	10
57	Gravel washing wastes from Jarama river deposits (Spain): an undervalued natural raw material. <i>Environmental Geology</i> , 2007, 52, 1097-1115.	1.2	4
58	Synsedimentary versus metamorphic control of S, O and Sr isotopic compositions in gypsum evaporites from the Cameros Basin, Spain. <i>Chemical Geology</i> , 2006, 234, 46-57.	3.3	38
59	Clay minerals as provenance indicators in continental lacustrine sequences: the Leza Formation, early Cretaceous, Cameros Basin, northern Spain. <i>Clay Minerals</i> , 2005, 40, 79-92.	0.6	8
60	Technological characterization and ceramic application of gravel pit by-products from middle-course Jarama river deposits (central Spain). <i>Applied Clay Science</i> , 2005, 28, 283-295.	5.2	25
61	Late Permian continental sediments in the SE Iberian Ranges, eastern Spain: Petrological and mineralogical characteristics and palaeoenvironmental significance. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 229, 24-39.	2.3	26
62	Gravel Mud as Building Ceramic Raw Material. <i>Key Engineering Materials</i> , 2004, 264-268, 2417-2420.	0.4	0
63	Assessment of adsorption behavior of dibutyltin (DBT) to clay-rich sediments in comparison to the highly toxic tributyltin (TBT). <i>Environmental Pollution</i> , 2003, 123, 217-227.	7.5	51
64	Sandstone Petrography of Continental Depositional Sequences of an Intraplate Rift Basin: Western Cameros Basin (North Spain). <i>Journal of Sedimentary Research</i> , 2003, 73, 309-327.	1.6	59
65	Adsorption behavior of toxic tributyltin to clay-rich sediments under various environmental conditions. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1390-1397.	4.3	53
66	Sulfur redox reactions and formation of native sulfur veins during low grade metamorphism of gypsum evaporites, Cameros Basin (NE Spain). <i>Chemical Geology</i> , 2001, 174, 389-402.	3.3	38
67	Clay diagenesis and low-grade metamorphism of Tithonian and Berriasian sediments in the Cameros Basin (Spain). <i>Clay Minerals</i> , 2001, 36, 325-333.	0.6	17
68	Causes of variation in crystal morphology in metamorphogenic pyrite deposits of the Cameros Basin (N Spain). <i>Geological Journal</i> , 2001, 36, 159-170.	1.3	29
69	Chlorite, Corrensite, and Chlorite-Mica in Late Jurassic Fluvio-Lacustrine Sediments of the Cameros Basin of Northeastern Spain. <i>Clays and Clay Minerals</i> , 2000, 48, 256-265.	1.3	33
70	Molten sulphur-dominated fluids in the origin of a native sulphur mineralization in lacustrine evaporites from Cervera del Rio Alhama (Cameros Basin, NE Spain). <i>Journal of Geochemical Exploration</i> , 2000, 69-70, 183-187.	3.2	5
71	Pathways and distances of fluid flow during low-grade metamorphism: evidence from pyrite deposits of the Cameros Basin, Spain. <i>Journal of Metamorphic Geology</i> , 1999, 17, 339-348.	3.4	37
72	Development and use of in situ laser sulfur isotope analyses for pyrite-anhydrite geothermometry: An example from the pyrite deposits of the Cameros Basin, NE Spain. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 509-513.	3.9	16

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73	Palaeogeographical significance of clay mineral assemblages in the Permian and Triassic sediments of the SE Iberian Ranges, eastern Spain. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1997, 136, 309-330.	2.3	26
74	Comparative study of the transition between very low-grade and low-grade metamorphism in siliciclastic and carbonate sediments: Early Cretaceous, Cameros Basin (northern Spain). <i>Clay Minerals</i> , 1995, 30, 407-419.	0.6	31