## Edgar Berrezueta

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Landslides in the Central Coalfield (Cantabrian Mountains, NW Spain): Geomorphological features, conditioning factors and methodological implications in susceptibility assessment. Geomorphology, 2007, 89, 358-369.	2.6	57
2	Geotourism and Local Development Based on Geological and Mining Sites Utilization, Zaruma-Portovelo, Ecuador. Geosciences (Switzerland), 2018, 8, 205.	2.2	57
3	Geosites and Georesources to Foster Geotourism in Communities: Case Study of the Santa Elena Peninsula Geopark Project in Ecuador. Sustainability, 2020, 12, 4484.	3.2	45
4	Geoheritage and Geosites: A Bibliometric Analysis and Literature Review. Geosciences (Switzerland), 2022, 12, 169.	2.2	40
5	Representativity of 2D Shape Parameters for Mineral Particles in Quantitative Petrography. Minerals (Basel, Switzerland), 2019, 9, 768.	2.0	33
6	Pore system changes during experimental CO2 injection into detritic rocks: Studies of potential storage rocks from some sedimentary basins of Spain. International Journal of Greenhouse Gas Control, 2013, 17, 411-422.	4.6	31
7	Pore network quantification of sandstones under experimental CO2 injection using image analysis. Computers and Geosciences, 2015, 77, 97-110.	4.2	30
8	Quantitative and Qualitative Assessment of the "El Sexmo―Tourist Gold Mine (Zaruma, Ecuador) as A Geosite and Mining Site. Resources, 2020, 9, 28.	3.5	30
9	Geosites and Geotourism in the Local Development of Communities of the Andes Mountains. A Case Study. Sustainability, 2021, 13, 4624.	3.2	26
10	Ore Petrography Using Optical Image Analysis: Application to Zaruma-Portovelo Deposit (Ecuador). Geosciences (Switzerland), 2016, 6, 30.	2.2	24
11	Semi-automated procedure of digitalization and study of rock thin section porosity applying optical image analysis tools. Computers and Geosciences, 2019, 124, 14-26.	4.2	23
12	Evaluation of a Paleontological Museum as Geosite and Base for Geotourism. A Case Study. Heritage, 2021, 4, 1208-1227.	1.9	19
13	Geodiversity assessment to regional scale: Ecuador as a case study. Environmental Science and Policy, 2022, 136, 167-186.	4.9	18
14	Assessment of Geomorphosites for Geotourism in the Northern Part of the "Ruta Escondida―(Quito,) Tj E	۲Qq <u>9</u> ,90 r	gBT /Overlock
15	Inventory and Characterization of Geosites in Ecuador: a Review. Geoheritage, 2021, 13, 1.	2.8	16
16	Bibliometric Analysis of Groundwater's Life Cycle Assessment Research. Water (Switzerland), 2022, 14, 1082.	2.7	15

17	Forest Fire Assessment Using Remote Sensing to Support the Development of an Action Plan Proposal in Ecuador. Remote Sensing, 2022, 14, 1783.	4.0	14
18	Community-University Partnership in Water Education and Linkage Process. Study Case: Manglaralto, Santa Elena, Ecuador. Water (Switzerland), 2021, 13, 1998.	2.7	13

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19	Georoutes as a Basis for Territorial Development of the Pacific Coast of South America: a Case Study. Geoheritage, 2022, 14, .	2.8	12
20	Assessment and Promotion of Geotouristic and Geomining Routes as a Basis for Local Development: A Case Study. Minerals (Basel, Switzerland), 2021, 11, 351.	2.0	11
21	Application of optical image analysis to the assessment of pore space evolution after CO2 injection in sandstones. A case study. Journal of Petroleum Science and Engineering, 2017, 159, 679-690.	4.2	10
22	Qualitative and Quantitative Changes of Carbonate Rocks Exposed to SC CO2 (Basque-Cantabrian) Tj ETQq0 0 C	) rgBT /Ove 2.5	erlock 10 Tf 5
	Mineral Carbonation of CO2 in Matic Plutonic Rocks 126"Screening Criteria and Application to a Case		

23	Study in Southwest Portugal. Applied Sciences (Switzerland), 2020, 10, 4879.	2.5	10
24	Evaluation of Slope Stability in an Urban Area as a Basis for Territorial Planning: A Case Study. Applied Sciences (Switzerland), 2021, 11, 5013.	2.5	10
25	Evaluation of Slope Stability Considering the Preservation of the General Patrimonial Cemetery of Guayaquil, Ecuador. Geosciences (Switzerland), 2019, 9, 103.	2.2	9
26	Assessment of Geosites within a Natural Protected Area: A Case Study of Cajas National Park. Sustainability, 2022, 14, 3120.	3.2	9
27	A Mineralogical Museum as a Geotourism Attraction: A Case Study. Minerals (Basel, Switzerland), 2021, 11, 582.	2.0	8
28	Erosion directionality and seasonality study using the anisotropy matrix. Application in a semiarid Mediterranean climate (SE Spain). Science of the Total Environment, 2022, 804, 150165.	8.0	8
29	Qualitative and quantitative changes in detrital reservoir rocks caused by CO <sub>2</sub> –brine–rock interactions during first injection phases (Utrillas sandstones, northern Spain). Solid Earth, 2016, 7, 37-53.	2.8	7
30	Automated microscopic characterization of metallic ores with image analysis: a key to improve ore processing. I: test of the methodology. Revista De Metalurgia, 2007, 43, .	0.5	7
31	Surface and Underground Geomechanical Characterization of an Area Affected by Instability Phenomena in Zaruma Mining Zone (Ecuador). Sustainability, 2021, 13, 3272.	3.2	6
32	Petrographic and Petrophysical Characterization of Detrital Reservoir Rocks for CO2 Geological Storage (Utrillas and Escucha Sandstones, Northern Spain). Geosciences (Switzerland), 2018, 8, 246.	2.2	5
33	Mineral Carbonation of CO2 in Mafic Plutonic Rocks, Il—Laboratory Experiments on Early-Phase Supercritical CO2‒Brine‒Rock Interactions. Applied Sciences (Switzerland), 2020, 10, 5083.	2.5	5
34	Geotouristic Route Proposal for Touristic Development in a Mining Area—Case Study. Resources, 2022, 11, 25.	3.5	5
35	Caracterización mineralógica y petrográfica de las vetas Vizcaya, Octubrina y Gabi del yacimiento aurÃfero epitermal Zaruma-Portovelo, Ecuador. , 2021, , 421-437.		5
36	Pore Space Quantification of Sedimentary Rocks before-after Supercritical CO2 Interaction by Optical Image Analysis. Energy Procedia, 2017, 114, 4382-4393.	1.8	4

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37	Ophiolitic rocks and plagiorhyolites from SW Ecuador (Cerro San José): petrology, geochemistry and tectonic setting. Journal of Iberian Geology, 2021, 47, 367-386.	1.3	4
38	Microscopic digital image analysis of gold ores: a critical test of methodology, comparing reflected light and electron microscopy. Mining, Metallurgy and Exploration, 2002, 19, 102-109.	0.8	2
39	COMMUNICATION METHODS ON WATER CARE DURING THE COVID-19 PANDEMIC AND ITS IMPACT ON THE RESILIENCE OF THE RURAL COMMUNITY OF "LIBERTADOR BOLÃVARâ€, ECUADOR. WIT Transactions on Ecology and the Environment, 2021, , .	0.0	2
40	Reconocimiento automatizado de menas metálicas mediante análisis digital de imagen: un apoyo al proceso mineralúrgico. II: criterios metalogenéticos discriminantes. Revista De Metalurgia, 2009, 45, 439-456.	0.5	2
41	PROPOSAL FOR THE MANAGEMENT OF SOLID WASTE GENERATED IN A UNIVERSITY CAMPUS: A CASE STUDY. WIT Transactions on Ecology and the Environment, 2021, , .	0.0	2
42	Optical image and microchemical analysis of gold grains from a weathered profile of the Minvoul greenstone belt, northern Gabon. Geological Magazine, 2020, 157, 307-320.	1.5	1
43	DESIGN OF A SEWAGE AND WASTEWATER TREATMENT SYSTEM FOR POLLUTION MITIGATION IN EL ROSARIO, EL EMPALME, ECUADOR. , 2021, , .		1
44	Geoenvironmental analysis of oil extraction activities in urban and rural zones of Santa Elena Province, Ecuador. International Journal of Energy Production and Management, 2021, 6, 211-228.	3.7	1
45	Geochemical Modeling of CO2-Brine Gabbro-diorite Interaction for in-situ Mineral Carbonation. , 2021,		0
46	VALUATION OF A COMMUNITY COMPANY AND ITS IMPACT ON DEVELOPMENT STRATEGIES. , 2021, , .		0
47	Geoenvironmental analysis of oil extraction activities in urban and rural zones of Santa Elena Province, Ecuador. International Journal of Energy Production and Management, 2021, 6, 211-228.	3.7	0
48	Exploración de Aguas Subterráneas para un Plan de Abastecimiento Sostenible en una Comunidad Rural: Caso Cadeate, Santa Elena, Ecuador. , 0, , .		0