

# Edgar Berrezueta

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

664  
citations

566801

15  
h-index

610482

24  
g-index

52  
all docs

52  
docs citations

52  
times ranked

471  
citing authors

#	ARTICLE	IF	CITATIONS
1	Erosion directionality and seasonality study using the anisotropy matrix. Application in a semiarid Mediterranean climate (SE Spain). <i>Science of the Total Environment</i> , 2022, 804, 150165.	3.9	8
2	Geotouristic Route Proposal for Touristic Development in a Mining Area—Case Study. <i>Resources</i> , 2022, 11, 25.	1.6	5
3	Assessment of Geosites within a Natural Protected Area: A Case Study of Cajas National Park. <i>Sustainability</i> , 2022, 14, 3120.	1.6	9
4	Bibliometric Analysis of Groundwater's Life Cycle Assessment Research. <i>Water (Switzerland)</i> , 2022, 14, 1082.	1.2	15
5	Forest Fire Assessment Using Remote Sensing to Support the Development of an Action Plan Proposal in Ecuador. <i>Remote Sensing</i> , 2022, 14, 1783.	1.8	14
6	Geoheritage and Geosites: A Bibliometric Analysis and Literature Review. <i>Geosciences (Switzerland)</i> , 2022, 12, 169.	1.0	40
7	Geodiversity assessment to regional scale: Ecuador as a case study. <i>Environmental Science and Policy</i> , 2022, 136, 167-186.	2.4	18
8	Georoutes as a Basis for Territorial Development of the Pacific Coast of South America: a Case Study. <i>Geoheritage</i> , 2022, 14, .	1.5	12
9	Geochemical Modeling of CO <sub>2</sub> -Brine Gabbro-diorite Interaction for in-situ Mineral Carbonation. , 2021, , .		0
10	Ophiolitic rocks and plagioclases from SW Ecuador (Cerro San Jos��): petrology, geochemistry and tectonic setting. <i>Journal of Iberian Geology</i> , 2021, 47, 367-386.	0.7	4
11	Surface and Underground Geomechanical Characterization of an Area Affected by Instability Phenomena in Zaruma Mining Zone (Ecuador). <i>Sustainability</i> , 2021, 13, 3272.	1.6	6
12	Assessment and Promotion of Geotouristic and Geomining Routes as a Basis for Local Development: A Case Study. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 351.	0.8	11
13	Geosites and Geotourism in the Local Development of Communities of the Andes Mountains. A Case Study. <i>Sustainability</i> , 2021, 13, 4624.	1.6	26
14	Evaluation of Slope Stability in an Urban Area as a Basis for Territorial Planning: A Case Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5013.	1.3	10
15	A Mineralogical Museum as a Geotourism Attraction: A Case Study. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 582.	0.8	8
16	Community-University Partnership in Water Education and Linkage Process. Study Case: Manglaralto, Santa Elena, Ecuador. <i>Water (Switzerland)</i> , 2021, 13, 1998.	1.2	13
17	COMMUNICATION METHODS ON WATER CARE DURING THE COVID-19 PANDEMIC AND ITS IMPACT ON THE RESILIENCE OF THE RURAL COMMUNITY OF "LIBERTADOR BOL��VAR", ECUADOR. <i>WIT Transactions on Ecology and the Environment</i> , 2021, , .	0.0	2
18	DESIGN OF A SEWAGE AND WASTEWATER TREATMENT SYSTEM FOR POLLUTION MITIGATION IN EL ROSARIO, EL EMPALME, ECUADOR. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	VALUATION OF A COMMUNITY COMPANY AND ITS IMPACT ON DEVELOPMENT STRATEGIES. , 2021, , .		0
20	Evaluation of a Paleontological Museum as Geosite and Base for Geotourism. A Case Study. Heritage, 2021, 4, 1208-1227.	0.9	19
21	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.	1.9	0
22	Inventory and Characterization of Geosites in Ecuador: a Review. Geoheritage, 2021, 13, 1.	1.5	16
23	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.	1.9	1
24	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
25	Caracterizaci3n mineral3gica y petrogr3fica de las vetas Vizcaya, Octubrina y Gabi del yacimiento aur3fero epitermal Zaruma-Portovelo, Ecuador. , 2021, , 421-437.		5
26	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.	0.9	1
27	Mineral Carbonation of CO2 in Mafic Plutonic Rocks, l3 Screening Criteria and Application to a Case Study in Southwest Portugal. Applied Sciences (Switzerland), 2020, 10, 4879.	1.3	10
28	Assessment of Geomorphosites for Geotourism in the Northern Part of the "Ruta Escondida" (Quito,) Tj ETQq0 0 0 rgBT/Overlock	1.6	16
29	Mineral Carbonation of CO2 in Mafic Plutonic Rocks, ll3 Laboratory Experiments on Early-Phase Supercritical CO23 Brine3 Rock Interactions. Applied Sciences (Switzerland), 2020, 10, 5083.	1.3	5
30	Geosites and Georesources to Foster Geotourism in Communities: Case Study of the Santa Elena Peninsula Geopark Project in Ecuador. Sustainability, 2020, 12, 4484.	1.6	45
31	Quantitative and Qualitative Assessment of the "El Sexmo" Tourist Gold Mine (Zaruma, Ecuador) as A Geosite and Mining Site. Resources, 2020, 9, 28.	1.6	30
32	Evaluation of Slope Stability Considering the Preservation of the General Patrimonial Cemetery of Guayaquil, Ecuador. Geosciences (Switzerland), 2019, 9, 103.	1.0	9
33	Representativity of 2D Shape Parameters for Mineral Particles in Quantitative Petrography. Minerals (Basel, Switzerland), 2019, 9, 768.	0.8	33
34	Semi-automated procedure of digitalization and study of rock thin section porosity applying optical image analysis tools. Computers and Geosciences, 2019, 124, 14-26.	2.0	23
35	Petrographic and Petrophysical Characterization of Detrital Reservoir Rocks for CO2 Geological Storage (Utrillas and Escucha Sandstones, Northern Spain). Geosciences (Switzerland), 2018, 8, 246.	1.0	5
36	Geotourism and Local Development Based on Geological and Mining Sites Utilization, Zaruma-Portovelo, Ecuador. Geosciences (Switzerland), 2018, 8, 205.	1.0	57

#	ARTICLE	IF	CITATIONS
37	Pore Space Quantification of Sedimentary Rocks before-after Supercritical CO <sub>2</sub> Interaction by Optical Image Analysis. Energy Procedia, 2017, 114, 4382-4393.	1.8	4
38	Application of optical image analysis to the assessment of pore space evolution after CO <sub>2</sub> injection in sandstones. A case study. Journal of Petroleum Science and Engineering, 2017, 159, 679-690.	2.1	10
39	Qualitative and Quantitative Changes of Carbonate Rocks Exposed to SC CO <sub>2</sub> (Basque-Cantabrian) Tj ETQq1 1 0.784314 rgBT/Overl	1.3	10
40	Qualitative and quantitative changes in detrital reservoir rocks caused by CO <sub>2</sub> and brine-rock interactions during first injection phases (Utrillas sandstones, northern Spain). Solid Earth, 2016, 7, 37-53.	1.2	7
41	Ore Petrography Using Optical Image Analysis: Application to Zaruma-Portovelo Deposit (Ecuador). Geosciences (Switzerland), 2016, 6, 30.	1.0	24
42	Pore network quantification of sandstones under experimental CO <sub>2</sub> injection using image analysis. Computers and Geosciences, 2015, 77, 97-110.	2.0	30
43	Pore system changes during experimental CO <sub>2</sub> 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.	2.3	31
44	Reconocimiento automatizado de menas metálicas mediante análisis digital de imagen: un apoyo al proceso mineralúrgico. II: criterios metalogénicos discriminantes. Revista De Metalurgia, 2009, 45, 439-456.	0.1	2
45	Landslides in the Central Coalfield (Cantabrian Mountains, NW Spain): Geomorphological features, conditioning factors and methodological implications in susceptibility assessment. Geomorphology, 2007, 89, 358-369.	1.1	57
46	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, .	0.1	7
47	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.	0.4	2
48	Exploración de Aguas Subterráneas para un Plan de Abastecimiento Sostenible en una Comunidad Rural: Caso Cadeate, Santa Elena, Ecuador. , 0, , .		0