

# Salvador OrdÃ³ñez

## List of Publications by Year in descending order

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34  
papers

2,184  
citations

257450

24  
h-index

414414

32  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1995  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-linear decay of building stones during freeze-thaw weathering processes. <i>Construction and Building Materials</i> , 2013, 38, 443-454.	7.2	172
2	Role of pore structure in salt crystallisation in unsaturated porous stone. <i>Journal of Crystal Growth</i> , 2004, 260, 532-544.	1.5	159
3	Predicting the Capillary Imbibition of Porous Rocks from Microstructure. <i>Transport in Porous Media</i> , 2002, 49, 59-76.	2.6	156
4	The influence of petrophysical properties on the salt weathering of porous building rocks. <i>Environmental Geology</i> , 2007, 52, 215-224.	1.2	137
5	Quantification of salt weathering in porous stones using an experimental continuous partial immersion method. <i>Engineering Geology</i> , 2001, 59, 313-325.	6.3	122
6	Does climate control the morphological fabric of freshwater carbonates? A comparative study of Holocene barrage tufas from Spain and Britain. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1996, 121, 239-257.	2.3	120
7	Sedimentology of Quaternary perched springline and paludal tufas: criteria for recognition, with examples from Guadalajara Province, Spain. <i>Sedimentology</i> , 2003, 50, 23-44.	3.1	115
8	Influence of surface roughness on color changes in building stones. <i>Color Research and Application</i> , 2003, 28, 343-351.	1.6	98
9	Sedimentary structures and physical properties of travertine and carbonate tufa building stone. <i>Construction and Building Materials</i> , 2012, 28, 456-467.	7.2	89
10	Comparison of the static and dynamic elastic modulus in carbonate rocks. <i>Bulletin of Engineering Geology and the Environment</i> , 2012, 71, 263-268.	3.5	88
11	Salt weathering in dual-porosity building dolostones. <i>Engineering Geology</i> , 2007, 94, 215-226.	6.3	84
12	Thermodynamic modelling of changes induced by salt pressure crystallisation in porous media of stone. <i>Journal of Crystal Growth</i> , 1999, 204, 168-178.	1.5	82
13	Temperate and semi-arid tufas in the Pleistocene to Recent fluvial barrage system in the Mediterranean area: The Ruidera Lakes Natural Park (Central Spain). <i>Geomorphology</i> , 2005, 69, 332-350.	2.6	72
14	Petrographic and geochemical evidence for the formation of primary, bacterially induced lacustrine dolomite: La Roda 'white earth' (Pliocene, central Spain). <i>Sedimentology</i> , 2001, 48, 897-915.	3.1	71
15	Deteriorating effects of lichen and microbial colonization of carbonate building rocks in the Romanesque churches of Segovia (Spain). <i>Science of the Total Environment</i> , 2009, 407, 1123-1134.	8.0	66
16	Predicting water permeability in sedimentary rocks from capillary imbibition and pore structure. <i>Engineering Geology</i> , 2015, 195, 301-311.	6.3	63
17	Endolithic cyanobacteria in Maastricht limestone. <i>Science of the Total Environment</i> , 1990, 94, 209-220.	8.0	62
18	Dolomite-silica stromatolites in Miocene lacustrine deposits from the Duero Basin, Spain: the role of organotemplates in the precipitation of dolomite. <i>Sedimentology</i> , 2008, 55, 729-750.	3.1	55

#	ARTICLE	IF	CITATIONS
19	Bioinduced precipitation of barite and celestite in dolomite microbialites. <i>Sedimentary Geology</i> , 2009, 222, 138-148.	2.1	50
20	Bacterial diversity in dry modern freshwater stromatolites from Ruidera Pools Natural Park, Spain. <i>Systematic and Applied Microbiology</i> , 2010, 33, 209-221.	2.8	45
21	Rock fabric, pore geometry and mineralogy effects on water transport in fractured dolostones. <i>Engineering Geology</i> , 2009, 107, 1-15.	6.3	44
22	Petrographic quantification of brecciated rocks by image analysis. Application to the interpretation of elastic wave velocities. <i>Engineering Geology</i> , 2007, 90, 41-54.	6.3	38
23	Impact of salt and frost weathering on the physical and durability properties of travertines and carbonate tufas used as building material. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	38
24	Salt influence on evaporation from porous building rocks. <i>Construction and Building Materials</i> , 2003, 17, 113-122.	7.2	29
25	Multivariate statistical techniques for evaluating the effects of brecciated rock fabric on ultrasonic wave propagation. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2008, 45, 609-620.	5.8	22
26	The physicochemical weathering of monumental dolostones, granites and limestones; dimension stones of the Cathedral of Toledo (Spain). <i>Science of the Total Environment</i> , 1994, 152, 179-188.	8.0	21
27	Penecontemporaneous diagenesis in continental saline sediments: bloeditization in Quero playa lake (La Mancha, Central Spain). <i>Chemical Geology</i> , 1998, 149, 189-207.	3.3	20
28	Microbial dolomite in fresh water carbonate deposits. <i>Sedimentology</i> , 2014, 61, 41-55.	3.1	18
29	Mineralogical evolution of salt over nine years, after removal of efflorescence and saline crusts from Elche's Old Bridge (Spain). <i>Construction and Building Materials</i> , 2016, 112, 343-354.	7.2	11
30	A comparison of experimental methods for measuring water permeability of porous building rocks. <i>Materiales De Construccion</i> , 2014, 64, e028.	0.7	11
31	The water balance equations in saline playa lakes: comparison between experimental and recent data from Quero Playa Lake (central Spain). <i>Sedimentary Geology</i> , 2002, 148, 221-234.	2.1	9
32	Recent seismogenic fault activity in a Late Quaternary closed-lake graben basin (Albacete, SE Spain). <i>Geomorphology</i> , 2008, 102, 169-178.	2.6	9
33	Title is missing!. , 1994, , 61-71.		8
34	Mechanical Analysis of Multi-Textural Rocks (Brecciated Dolostones and Limestones): A New Micro-Compression Test for Rocks. <i>Key Engineering Materials</i> , 0, 465, 479-482.	0.4	0