

# Miguel Ortega Huertas

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,247  
citations

279798

23  
h-index

223800

46  
g-index

50  
all docs

50  
docs citations

50  
times ranked

2963  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal decomposition of calcite: Mechanisms of formation and textural evolution of CaO nanocrystals. <i>American Mineralogist</i> , 2009, 94, 578-593.	1.9	344
2	Nanostructure and Irreversible Colloidal Behavior of Ca(OH) <sub>2</sub> : Implications in Cultural Heritage Conservation. <i>Langmuir</i> , 2005, 21, 10948-10957.	3.5	152
3	Forced and natural carbonation of lime-based mortars with and without additives: Mineralogical and textural changes. <i>Cement and Concrete Research</i> , 2005, 35, 2278-2289.	11.0	151
4	Paleoclimate and paleoceanography over the past 20,000 years in the Mediterranean Sea Basins as indicated by sediment elemental proxies. <i>Quaternary Science Reviews</i> , 2015, 107, 25-46.	3.0	142
5	Pliocene-Holocene evolution of depositional conditions in the eastern Mediterranean: Role of anoxia vs. productivity at time of sapropel deposition. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 246, 424-439.	2.3	121
6	Climate forcing and Neanderthal extinction in Southern Iberia: insights from a multiproxy marine record. <i>Quaternary Science Reviews</i> , 2007, 26, 836-852.	3.0	96
7	Evolution of Illite/Smectite from Early Diagenesis through Incipient Metamorphism in Sediments of the Basque-Cantabrian Basin. <i>Clays and Clay Minerals</i> , 1996, 44, 304-323.	1.3	90
8	Tracking climate variability in the western Mediterranean during the Late Holocene: a multiproxy approach. <i>Climate of the Past</i> , 2011, 7, 1395-1414.	3.4	83
9	Durability of masonry systems: A laboratory study. <i>Construction and Building Materials</i> , 2007, 21, 40-51.	7.2	81
10	Geochemical evidence for enhanced productivity during S1 sapropel deposition in the eastern Mediterranean. <i>Paleoceanography</i> , 2000, 15, 200-209.	3.0	68
11	Detrital input, productivity fluctuations, and water mass circulation in the westernmost Mediterranean Sea since the Last Glacial Maximum. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	65
12	Regional retrograde alteration of sub-greenschist facies chlorite to smectite. <i>Contributions To Mineralogy and Petrology</i> , 1994, 115, 243-252.	3.1	63
13	Trace-elemental derived paleoceanographic and paleoclimatic conditions for Pleistocene Eastern Mediterranean sapropels. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 293, 76-89.	2.3	63
14	Change in the chicken eggshell cuticle with hen age and egg freshness. <i>Poultry Science</i> , 2013, 92, 3026-3035.	3.4	63
15	Genesis and evolution of strontium deposits of the granada basin (Southeastern Spain): Evidence of diagenetic replacement of a stromatolite belt. <i>Sedimentary Geology</i> , 1984, 39, 281-298.	2.1	59
16	Positive Eu anomaly development during diagenesis of the K/T boundary ejecta layer in the Agost section (SE Spain): implications for trace-element remobilization. <i>Terra Nova</i> , 1999, 11, 290-296.	2.1	58
17	Microstructure and crystallographic-texture of giant barnacle ( <i>Austromegabalanus psittacus</i> ) shell. <i>Journal of Structural Biology</i> , 2006, 156, 355-362.	2.8	52
18	The geochemistry and mineralogy of the Cretaceous-Tertiary boundary at Agost (southeast Spain). <i>Chemical Geology</i> , 1992, 95, 265-281.	3.3	37

#	ARTICLE	IF	CITATIONS
19	Climate imprints during the "Medieval Climate Anomaly" and the "Little Ice Age" in marine records from the Alboran Sea basin. <i>Holocene</i> , 2013, 23, 1227-1237.	1.7	36
20	Quench textures in altered spherules from the Cretaceous-Tertiary boundary layer at Agost and Caravaca, SE Spain. <i>Sedimentary Geology</i> , 1997, 113, 137-147.	2.1	35
21	Stratigraphy and geochemical anomalies of the early Toarcian oxygen-poor interval in the Umbria-Marche Apennines (Italy). <i>Geobios</i> , 1996, 29, 469-484.	1.4	34
22	Boron incorporation into calcite during growth: Implications for the use of boron in carbonates as a pH proxy. <i>Earth and Planetary Science Letters</i> , 2012, 345-348, 9-17.	4.4	30
23	Diagenesis of the Central Basque-Cantabrian Basin (Iberian Peninsula) based on illite-smectite distribution. <i>Clay Minerals</i> , 1991, 26, 535-548.	0.6	27
24	Crystallographic Control of the Hydrothermal Conversion of Calcitic Sea Urchin Spine ( <i>Paracentrotus lividus</i> ) into Apatite. <i>Crystal Growth and Design</i> , 2010, 10, 5227-5232.	3.0	25
25	Rare earth element composition as evidence of the precursor material of Cretaceous-Tertiary boundary sediments at distal sections. <i>Chemical Geology</i> , 2006, 232, 1-11.	3.3	21
26	Bioinspired Alkoxysilane Conservation Treatments for Building Materials Based on Amorphous Calcium Carbonate and Oxalate Nanoparticles. <i>ACS Applied Nano Materials</i> , 2019, 2, 4954-4967.	5.0	20
27	A mineralogical and geochemical approach to establishing a sedimentary model in a passive continental margin (Subbetic Zone, Betic Cordilleras, SE Spain). <i>Clay Minerals</i> , 1991, 26, 389-407.	0.6	19
28	Productivity patterns and N-fixation associated with Pliocene-Holocene sapropels: paleoceanographic and paleoecological significance. <i>Biogeosciences</i> , 2011, 8, 415-431.	3.3	19
29	Review of the mineralogy of the Cretaceous-Tertiary boundary clay: evidence supporting a major extraterrestrial catastrophic event. <i>Clay Minerals</i> , 2002, 37, 395-411.	0.6	18
30	Crystallographic Control in the Replacement of Calcite by Calcium Sulfates. <i>Crystal Growth and Design</i> , 2016, 16, 4950-4959.	3.0	17
31	Late Pleistocene oceanographic and depositional variations along the Wilkes Land margin (East) Tj ETQq1 1 0.784314 rgBT /Overlock Change, 2020, 184, 103045.	3.5	16
32	Palaeoclimate and palaeoceanographic conditions in the westernmost Mediterranean over the last millennium: an integrated organic and inorganic approach. <i>Journal of the Geological Society</i> , 2015, 172, 264-271.	2.1	14
33	Influence of pH and citrate on the formation of oxalate layers on calcite revealed by in situ nanoscale imaging. <i>CrystEngComm</i> , 2017, 19, 3420-3429.	2.6	14
34	K-T boundary spherules from Blake Nose (ODP Leg 171B) as a record of the Chicxulub ejecta deposits. <i>Geological Society Special Publication</i> , 2001, 183, 149-161.	1.3	13
35	First Data on Clay Mineral Assemblages and Geochemical Characteristics of Toarcian Sedimentation in the umbriamarche basin (central italy). <i>Clay Minerals</i> , 1993, 28, 297-310.	0.6	13
36	Geochemistry of the Cretaceous-Tertiary boundary at Blake Nose (ODP Leg 171B). <i>Geological Society Special Publication</i> , 2001, 183, 131-148.	1.3	12

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37	Rapid bottom-water circulation changes during the last glacial cycle in the coastal low-latitude NE Atlantic. <i>Quaternary Research</i> , 2014, 81, 330-338.	1.7	12
38	Automatic Crystal Size Determination in the Micrometer Range from Spotty X-Ray Diffraction Rings of Powder Samples. <i>Journal of the American Ceramic Society</i> , 2006, 89, 060427083300005-???	3.8	11
39	Climate, tectonics and meteoritic impact expressed by clay mineral sedimentation across the Cretaceous-Tertiary boundary at Blake Nose, Northwestern Atlantic. <i>Clay Minerals</i> , 2001, 36, 49-60.	0.6	8
40	Rapid Climate Changes in the Westernmost Mediterranean (Alboran Sea) Over the Last 35 kyr: New Insights From Four Lipid Paleothermometers (U <sup>K</sup> <sub>37</sub> ), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 10 617 Td (TEX <sup>sup</sup> )	10.617	10
41	Title is missing!. <i>Estudios Geologicos</i> , 1993, 49, .	0.2	6
42	Appraising timing response of paleoenvironmental proxies to the Bond cycle in the western Mediterranean over the last 20 kyr. <i>Climate Dynamics</i> , 2018, 50, 2925-2934.	3.8	5
43	Microscale trace-element distribution across the Cretaceous/Palaeogene ejecta layer at the Agost section: Constraining the recovery of pre-impact conditions. <i>Chemical Geology</i> , 2020, 533, 119431.	3.3	5
44	Some crystallochemical and petrographic criteria for determining source rocks and sedimentary processes. The example of Neogene deposits of the Alpujarran Corridor (Betic Cordillera, SE Spain). <i>Clay Minerals</i> , 1989, 24, 603-616.	0.6	4
45	Cretaceous-Tertiary boundary at Blake Nose (Ocean Drilling Program Leg 171B): A record of the Chicxulub impact ejecta. , 2002, , .		3
46	A Nondestructive Methodology for the Study of Colored Enamels: Insights into Manufacturing and Weathering Processes. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2132-2140.	3.8	3
47	Automatic sample changer for the analysis of powder samples on an X-ray single-crystal diffractometer equipped with an area detector. <i>Journal of Applied Crystallography</i> , 2012, 45, 135-137.	4.5	1
48	Correction to "Detrital input, productivity fluctuations, and water mass circulation in the westernmost Mediterranean Sea since the Last Glacial Maximum": <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, n/a-n/a.	2.5	0