Emilia GarcÃ-a-Romero

List of Publications by Year
in descending order

46 papers	1,478 citations	331538 21 h-index	315616 38 g-index
46 all docs	46 docs citations	46 times ranked	1226 citing authors

#	Article	IF	Citations
1	FTIR spectroscopic study of palygorskite: Influence of the composition of the octahedral sheet. Applied Clay Science, 2006, 31, 154-163.	2.6	234
2	Variability of the surface properties of sepiolite. Applied Clay Science, 2012, 67-68, 72-82.	2.6	120
3	On the Chemical Composition of Sepiolite and Palygorskite. Clays and Clay Minerals, 2010, 58, 1-20.	0.6	112
4	Sepioliteâ€“palygorskite: Textural study and genetic considerations. Applied Clay Science, 2013, 86, 129-144.	2.6	98
5	A combined synchrotron powder diffraction and vibrational study of the thermal treatment of palygorskiteâ€“indigo to produce Maya blue. Journal of Materials Science, 2009, 44, 5524-5536.	1.7	87
6	Octahedral cation distribution in palygorskite. American Mineralogist, 2009, 94, 200-203.	0.9	65
7	Characteristics of a Mg-palygorskite in Miocene rocks, Madrid Basin (Spain). Clays and Clay Minerals, 2004, 52, 484-494.	0.6	57
8	Advances in the Crystal Chemistry of Sepiolite and Palygorskite. Developments in Clay Science, 2011, , 33-65.	0.3	50
9	The effect of the octahedral cations on the dimensions of the palygorskite cell. Clay Minerals, 2007, 42, 287-297.	0.2	49
10	Variability in sepiolite: Diffraction studies. American Mineralogist, 2011, 96, 1443-1454.	0.9	48
11	Crystallochemical Characterization of the Palygorskite and Sepiolite from the Allou Kagne Deposit, Senegal. Clays and Clay Minerals, 2007, 55, 606-617.	0.6	45
12	Clay minerals as alteration products in basaltic volcaniclastic deposits of La Palma (Canary Islands,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	42
13	Ni-sepiolite-falcondoite in garnierite mineralization from the Falcondo Ni-laterite deposit, Dominican Republic. Clay Minerals, 2009, 44, 435-454.	0.2	42
14	Sepioliteâ€“Palygorskite: A Continuous Polysomatic Series. Clays and Clay Minerals, 2013, 61, 461-472.	0.6	37
15	Mineralogical characterisation and surface properties of sepiolite from Polatli (Turkey). Applied Clay Science, 2016, 131, 124-130.	2.6	33
16	Clay mineral genesis and chemical evolution in the Miocene sediments of Somosaguas, Madrid Basin, Spain. Clay Minerals, 2007, 42, 187-201.	0.2	32
17	Sepiolite-palygorskite polysomatic series: Oriented aggregation as a crystal growth mechanism in natural environments. American Mineralogist, 2014, 99, 1653-1661.	0.9	32
18	The Maya Blue Pigment. Developments in Clay Science, 2011, 3, 453-481.	0.3	29

#	Article	IF	Citations
19	Review and new data on the surface properties of palygorskite: A comparative study. Applied Clay Science, 2022, 216, 106311.	2.6	26
20	Trioctahedral entities in palygorskite: Near-infrared evidence for sepiolite-palygorskite polysomatism. European Journal of Mineralogy, 2011, 23, 567-576.	0.4	25
21	THE OCCURRENCE OF PALYGORSKITE IN THE YUCATÃN PENINSULA: ETHNOâ€HISTORIC AND ARCHAEOLOGICAL CONTEXTS*. Archaeometry, 2009, 51, 214-230.	0.6	21
22	Recycling of residual IGCC slags and their benefits as degreasers inÂceramics. Journal of Environmental Management, 2013, 129, 1-8.	3.8	20
23	Spanish Bentonites: A Review and New Data on Their Geology, Mineralogy, and Crystal Chemistry. Minerals (Basel, Switzerland), 2019, 9, 696.	0.8	17
24	On the structural formula of smectites: a review and new data on the influence of exchangeable cations. Journal of Applied Crystallography, 2021, 54, 251-262.	1.9	16
25	Fault-hosted palygorskite from the Serrata de NÃjar deformation zone (Se Spain). Clays and Clay Minerals, 2006, 54, 324-332.	0.6	15
26	An insight in the structure of a palygorskaja: Some questions on the standard model. Applied Clay Science, 2017, 148, 39-47.	2.6	14
27	Occurrence of Feâ€“Mg-rich smectites and corrensite in the MorrÃ³n de Mateo bentonite deposit (Cabo) Tj ETQq1 1 0.784314 rgBT / Geochemistry, 2011, 26, 1153-1168.	1.4	13
28	Role of water on formation and structural features of Maya blue. Journal of Physics: Conference Series, 2012, 340, 012109.	0.3	13
29	Evidence of montmorillonite/Fe-rich smectite transformation in the MorrÃ³n de Mateo bentonite deposit (Spain): Implications for the clayey barrier behaviour. Applied Clay Science, 2016, 131, 59-70.	2.6	13
30	A structure-based argument for non-classical crystal growth in natural clay minerals. Mineralogical Magazine, 2018, 82, 171-180.	0.6	12
31	Spanish palygorskites: geological setting, mineralogical, textural and crystal-chemical characterization. European Journal of Mineralogy, 2018, 30, 733-746.	0.4	11
32	Influence of dolomite microcrystals on the technological properties of Santa Cruz de Mudela clays used for building ceramics. Applied Clay Science, 2014, 102, 261-267.	2.6	7
33	The role of sepiolite and palygorskite on the migration of leukocyte cells to an inflammation site. Applied Clay Science, 2016, 123, 315-319.	2.6	7
34	Sepiolite and palygorskite-underpinned regulation of mRNA expression of pro-inflammatory cytokines as determined by a murine inflammation model. Applied Clay Science, 2017, 137, 43-49.	2.6	6
35	Geochemistry and Biomarker Analysis of the Bentonites from Esquivias (Toledo, Spain). Minerals (Basel, Switzerland), 2018, 8, 291.	0.8	5
36	A micromorphological study on natural and folded sepiolite. European Journal of Mineralogy, 2015, 27, 81-90.	0.4	4

#	Article	IF	Citations
37	Identification and classification of mineralogical associations by VNIR-SWIR spectroscopy in the Tajo basin (Spain). International Journal of Applied Earth Observation and Geoinformation, 2018, 72, 57-65.	1.4	4
38	An arid phase in the Internal Dinarides during the early to middle Miocene: Inferences from Mg-clays in the Pranjani Basin (Serbia). Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 562, 110145.	1.0	4
39	Presence of oriented fibers in palygorskite powders and its influence on X-Ray diffractograms. Applied Clay Science, 2020, 195, 105724.	2.6	3
40	The alteration of Miraflores Basalt (Panama): Mineralogical and textural evolution. Applied Clay Science, 2021, 205, 106036.	2.6	3
41	Comments on â€œInfluence of thermally modified palygorskite on the viability of polycyclic aromatic hydrocarbon-degrading bacteriaâ€•by B. Biswas, B. Sarkar, and R. Naidy Applied Clay Science 134 (2016) 153â€“160, DOI 10.1016/j.clay.2016.07.003. Applied Clay Science, 2019, 175, 197-198.	2.6	2
42	New data on the microporosity of bentonites. Engineering Geology, 2022, 296, 106439.	2.9	2
43	HRTEM evidences of Tajo Basin mineralogical complexity: Crystal chemistry and genetic relationship. Applied Clay Science, 2022, 224, 106515.	2.6	2
44	Structure and Mechanical Properties of the DueÃ±as Clay Formation (Tertiary Duero Basin, Spain): An Overconsolidated Clay of Lacustrine Origin. Applied Sciences (Switzerland), 2021, 11, 12021.	1.3	1
45	Crystalâ€“chemical and diffraction analyses of Maya blue suggesting a different provenance of the palygorskite found in Aztec pigments*. Archaeometry, 2021, 63, 738-752.	0.6	0
46	Field Spectroscopy Applied to the Kaolinite Polytypes Identification. Environmental Sciences Proceedings, 2021, 6, 16.	0.3	0