

Mercedes Suárez

List of Publications by Year in descending order

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53
papers

1,833
citations

304743

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42
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53
all docs

53
docs citations

53
times ranked

1437
citing authors

#	ARTICLE	IF	CITATIONS
1	New data on the microporosity of bentonites. <i>Engineering Geology</i> , 2022, 296, 106439.	6.3	2
2	Review and new data on the surface properties of palygorskite: A comparative study. <i>Applied Clay Science</i> , 2022, 216, 106311.	5.2	26
3	HRTEM evidences of Tajo Basin mineralogical complexity: Crystal chemistry and genetic relationship. <i>Applied Clay Science</i> , 2022, 224, 106515.	5.2	2
4	An arid phase in the Internal Dinarides during the early to middle Miocene: Inferences from Mg-clays in the Pranjani Basin (Serbia). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 562, 110145.	2.3	4
5	Crystal chemical and diffraction analyses of Maya blue suggesting a different provenance of the palygorskite found in Aztec pigments*. <i>Archaeometry</i> , 2021, 63, 738-752.	1.3	0
6	On the structural formula of smectites: a review and new data on the influence of exchangeable cations. <i>Journal of Applied Crystallography</i> , 2021, 54, 251-262.	4.5	16
7	Field Spectroscopy Applied to the Kaolinite Polytypes Identification. <i>Environmental Sciences Proceedings</i> , 2021, 6, 16.	0.3	0
8	The alteration of Miraflores Basalt (Panama): Mineralogical and textural evolution. <i>Applied Clay Science</i> , 2021, 205, 106036.	5.2	3
9	Structure and Mechanical Properties of the Dueñas Clay Formation (Tertiary Duero Basin, Spain): An Overconsolidated Clay of Lacustrine Origin. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 12021.	2.5	1
10	Presence of oriented fibers in palygorskite powders and its influence on X-Ray diffractograms. <i>Applied Clay Science</i> , 2020, 195, 105724.	5.2	3
11	Caracterización de minerales de arcilla y óxidos de hierro mediante espectroscopía de reflectancia difusa (VNIR-SWIR). <i>Revista De Teledeteccion</i> , 2020, , 49.	0.6	0
12	Spanish Bentonites: A Review and New Data on Their Geology, Mineralogy, and Crystal Chemistry. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 696.	2.0	17
13	Comments on "Influence of thermally modified palygorskite on the viability of polycyclic aromatic hydrocarbon-degrading bacteria" by B. Biswas, B. Sarkar, and R. Naidy <i>Applied Clay Science</i> 134 (2016) 153-160, DOI 10.1016/j.clay.2016.07.003. <i>Applied Clay Science</i> , 2019, 175, 197-198.	5.2	2
14	A structure-based argument for non-classical crystal growth in natural clay minerals. <i>Mineralogical Magazine</i> , 2018, 82, 171-180.	1.4	12
15	Spanish palygorskites: geological setting, mineralogical, textural and crystal-chemical characterization. <i>European Journal of Mineralogy</i> , 2018, 30, 733-746.	1.3	11
16	Geochemistry and Biomarker Analysis of the Bentonites from Esquivias (Toledo, Spain). <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 291.	2.0	5
17	Identification and classification of mineralogical associations by VNIR-SWIR spectroscopy in the Tajo basin (Spain). <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 72, 57-65.	2.8	4
18	Sepiolite and palygorskite-underpinned regulation of mRNA expression of pro-inflammatory cytokines as determined by a murine inflammation model. <i>Applied Clay Science</i> , 2017, 137, 43-49.	5.2	6

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19	An insight in the structure of a palygorskite from Palygorskaja: Some questions on the standard model. <i>Applied Clay Science</i> , 2017, 148, 39-47.	5.2	14
20	The role of sepiolite and palygorskite on the migration of leukocyte cells to an inflammation site. <i>Applied Clay Science</i> , 2016, 123, 315-319.	5.2	7
21	Mineralogical characterisation and surface properties of sepiolite from Polatli (Turkey). <i>Applied Clay Science</i> , 2016, 131, 124-130.	5.2	33
22	A micromorphological study on natural and folded sepiolite. <i>European Journal of Mineralogy</i> , 2015, 27, 81-90.	1.3	4
23	Synchronous onset of the Messinian evaporite precipitation: First Mediterranean offshore evidence. <i>Earth and Planetary Science Letters</i> , 2015, 427, 112-124.	4.4	44
24	Sepiolite-palygorskite polysomatic series: Oriented aggregation as a crystal growth mechanism in natural environments. <i>American Mineralogist</i> , 2014, 99, 1653-1661.	1.9	32
25	Sepioliteâ€Palygorskite: A Continuous Polysomatic Series. <i>Clays and Clay Minerals</i> , 2013, 61, 461-472.	1.3	37
26	Sepioliteâ€palygorskite: Textural study and genetic considerations. <i>Applied Clay Science</i> , 2013, 86, 129-144.	5.2	98
27	Role of water on formation and structural features of Maya blue. <i>Journal of Physics: Conference Series</i> , 2012, 340, 012109.	0.4	13
28	Variability of the surface properties of sepiolite. <i>Applied Clay Science</i> , 2012, 67-68, 72-82.	5.2	120
29	Shallow foundations on expansive soils: a case study of the El Viso Geotechnical Unit, Salamanca, Spain. <i>Bulletin of Engineering Geology and the Environment</i> , 2012, 71, 51-59.	3.5	12
30	Trioctahedral entities in palygorskite: Near-infrared evidence for sepiolite-palygorskite polysomatism. <i>European Journal of Mineralogy</i> , 2011, 23, 567-576.	1.3	25
31	Variability in sepiolite: Diffraction studies. <i>American Mineralogist</i> , 2011, 96, 1443-1454.	1.9	48
32	Advances in the Crystal Chemistry of Sepiolite and Palygorskite. <i>Developments in Clay Science</i> , 2011, , 33-65.	0.5	50
33	The Maya Blue Pigment. <i>Developments in Clay Science</i> , 2011, 3, 453-481.	0.5	29
34	On the Chemical Composition of Sepiolite and Palygorskite. <i>Clays and Clay Minerals</i> , 2010, 58, 1-20.	1.3	112
35	Ni-sepiolite-falcondoite in garnierite mineralization from the Falcondo Ni-laterite deposit, Dominican Republic. <i>Clay Minerals</i> , 2009, 44, 435-454.	0.6	42
36	A combined synchrotron powder diffraction and vibrational study of the thermal treatment of palygorskiteâ€indigo to produce Maya blue. <i>Journal of Materials Science</i> , 2009, 44, 5524-5536.	3.7	87

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37	THE OCCURRENCE OF PLYGORSKITE IN THE YUCATÁN PENINSULA: ETHNOHISTORIC AND ARCHAEOLOGICAL CONTEXTS*. <i>Archaeometry</i> , 2009, 51, 214-230.	1.3	21
38	Octahedral cation distribution in palygorskite. <i>American Mineralogist</i> , 2009, 94, 200-203.	1.9	65
39	Crystallochemical Characterization of the Palygorskite and Sepiolite from the Allou Kagne Deposit, Senegal. <i>Clays and Clay Minerals</i> , 2007, 55, 606-617.	1.3	45
40	The effect of the octahedral cations on the dimensions of the palygorskite cell. <i>Clay Minerals</i> , 2007, 42, 287-297.	0.6	49
41	FTIR spectroscopic study of palygorskite: Influence of the composition of the octahedral sheet. <i>Applied Clay Science</i> , 2006, 31, 154-163.	5.2	234
42	Fault-hosted palygorskite from the Serrata de Nájjar deformation zone (Se Spain). <i>Clays and Clay Minerals</i> , 2006, 54, 324-332.	1.3	15
43	Macroscopic palygorskite from Lisbom Volcanic Complex. <i>European Journal of Mineralogy</i> , 2006, 18, 119-126.	1.3	16
44	SYNTHESIS AND ACID RESISTANCE OF MAYA BLUE PIGMENT*. <i>Archaeometry</i> , 2006, 48, 115-130.	1.3	102
45	Mg K-edge XANES of sepiolite and palygorskite. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 238, 55-60.	1.4	30
46	Mineral climate indicators in paleoflooded and emerged areas around lake marshes (Tablas de Daimiel, Tj ETQq0 0 0 rgBT /Overlock 10 26, 4565-4582.	2.9	2
47	Reduction of Fe(III) in a high-iron saponite. Pillaring of the reduced samples with Al ₁₃ oligomers. <i>Clay Minerals</i> , 1998, 33, 213-220.	0.6	3
48	Characterization of the Solids Obtained by Pillaring of Griffithite (High Iron Content Saponite) with Al-Oligomers. <i>Clays and Clay Minerals</i> , 1997, 45, 761-768.	1.3	10
49	Characterization, Surface Area, and Porosity Analyses of the Solids Obtained by Acid Leaching of a Saponite. <i>Langmuir</i> , 1996, 12, 566-572.	3.5	87
50	Pillaring of a High Iron Content Saponite with Aluminum Polycations: A Surface and Catalytic Properties. <i>Langmuir</i> , 1996, 12, 5143-5147.	3.5	21
51	Comparative FT-IR study of the removal of octahedral cations and structural modifications during acid treatment of several silicates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1996, 52, 1685-1694.	3.9	164
52	Mineralogical data for palygorskite from Bercimuel (Segovia, Spain). <i>Clay Minerals</i> , 1995, 30, 261-266.	0.6	9
53	Evidence of a Precursor in the Neoformation of Palygorskite " New Data by Analytical Electron Microscopy. <i>Clay Minerals</i> , 1994, 29, 255-264.	0.6	39