

MarÃ-a Carmen JimÃ©nez De Haro

List of Publications by Year in descending order

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49
papers

1,381
citations

279798

23
h-index

345221

36
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49
all docs

49
docs citations

49
times ranked

1651
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison between micro-Raman and micro-FTIR spectroscopy techniques for the characterization of pigments from Southern Spain Cultural Heritage. <i>Journal of Molecular Structure</i> , 2009, 924-926, 404-412.	3.6	114
2	Effects of Dry Grinding on the Structural Changes of Kaolinite Powders. <i>Journal of the American Ceramic Society</i> , 2000, 83, 1649-1657.	3.8	112
3	Supported Co catalysts prepared as thin films by magnetron sputtering for sodium borohydride and ammonia borane hydrolysis. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 400-409.	20.2	82
4	Behaviour of Au-citrate nanoparticles in seawater and accumulation in bivalves at environmentally relevant concentrations. <i>Environmental Pollution</i> , 2013, 174, 134-141.	7.5	79
5	DETERMINATION OF PIGMENTS AND BINDERS IN POMPEIAN WALL PAINTINGS USING SYNCHROTRON RADIATION "HIGH-RESOLUTION X-RAY POWDER DIFFRACTION AND CONVENTIONAL SPECTROSCOPY" CHROMATOGRAPHY. <i>Archaeometry</i> , 2010, 52, 286-307.	1.3	77
6	Investigation of a Pt containing washcoat on SiC foam for hydrogen combustion applications. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 336-343.	20.2	64
7	Effect of ultrasound on preparation of porous materials from vermiculite. <i>Applied Clay Science</i> , 2005, 30, 11-20.	5.2	50
8	Analytical study of Roman and Arabic wall paintings in the Patio De Banderas of Reales Alcazares™ Palace using non-destructive XRD/XRF and complementary techniques. <i>Journal of Archaeological Science</i> , 2011, 38, 2366-2377.	2.4	44
9	Comparative study of ground and sonicated vermiculite. <i>Journal of Materials Science</i> , 2004, 39, 5347-5351.	3.7	39
10	The influence of ultrasound on the thermal behaviour of clay minerals. <i>Journal of the European Ceramic Society</i> , 2006, 26, 747-753.	5.7	38
11	Deactivation, reactivation and memory effect on Co-B catalyst for sodium borohydride hydrolysis operating in high conversion conditions. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 14373-14381.	7.1	38
12	Green pigments of Roman mural paintings from Seville Alcazar. <i>Applied Clay Science</i> , 2015, 116-117, 211-219.	5.2	37
13	The role of cobalt hydroxide in deactivation of thin film Co-based catalysts for sodium borohydride hydrolysis. <i>Applied Catalysis B: Environmental</i> , 2017, 210, 342-351.	20.2	37
14	Effect of pollution on polychromed ceramic statues. <i>Atmospheric Environment</i> , 1998, 32, 993-998.	4.1	36
15	Murillo's paintings revealed by spectroscopic techniques and dedicated laboratory-made micro X-ray diffraction. <i>Analytica Chimica Acta</i> , 2010, 671, 1-8.	5.4	29
16	Role of Y in the oxidation resistance of CrAlN coatings. <i>Applied Surface Science</i> , 2015, 353, 504-511.	6.1	27
17	Porous mullite and mullite-based composites by chemical processing of kaolinite and aluminium metal wastes. <i>Journal of Materials Chemistry</i> , 2000, 10, 1409-141.	6.7	26
18	Roman ceramics of hydraulic mortars used to build the Mithraeum house of Mòrida (Spain). <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 92, 331-335.	3.6	26

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19	Degradation of gold and false golds used as gildings in the cultural heritage of Andalusia, Spain. <i>Journal of Cultural Heritage</i> , 2008, 9, 184-188.	3.3	25
20	Study of the gilding technique used in polychromed stones and ceramics by dedicated laboratory-made micro X-ray diffraction and complementary techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1671-1677.	3.7	25
21	Combined x-ray photoelectron spectroscopy and scanning electron microscopy studies of the LiBH ₄ /MgH ₂ reactive hydride composite with and without a Ti-based additive. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	25
22	STEM-in-SEM high resolution imaging of gold nanoparticles and bivalve tissues in bioaccumulation experiments. <i>Analyst</i> , 2015, 140, 3082-3089.	3.5	24
23	Tailor-made preparation of Co ⁰ , Co ¹ , and Co catalytic thin films using magnetron sputtering: insights into structure-composition and activation effects for catalyzed NaBH ₄ hydrolysis. <i>RSC Advances</i> , 2016, 6, 108611-108620.	3.6	24
24	Study of hydration of two cements of different strengths. <i>Magyar Árvíz- és Környezetvédelmi Közlemények</i> , 2002, 69, 187-204.	1.4	23
25	Characterization of iron oxide-based pigments by synchrotron-based micro X-ray diffraction. <i>Applied Clay Science</i> , 2008, 42, 57-62.	5.2	23
26	SiO _x N _y thin films with variable refraction index: Microstructural, chemical and mechanical properties. <i>Applied Surface Science</i> , 2010, 256, 4548-4553.	6.1	23
27	Effect of grinding and water vapour on the particle size of kaolinite and pyrophyllite. <i>Clay Minerals</i> , 2001, 36, 105-114.	0.6	22
28	Non-destructive analysis of cultural heritage artefacts from Andalusia, Spain, by X-ray diffraction with Gobel mirrors. <i>Talanta</i> , 2008, 76, 183-188.	5.5	20
29	Effects of mechanical treatment and exchanged cation on the microporosity of vermiculite. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 435-439.	4.0	19
30	Identification of cellulose fibres belonging to Spanish cultural heritage using synchrotron high resolution X-ray diffraction. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 99, 391-398.	2.3	19
31	Study by thermal analysis of mortars belonging to wall paintings corresponding to some historical buildings of Sevillian art. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 92, 353-359.	3.6	16
32	Title is missing!. <i>Magyar Árvíz- és Környezetvédelmi Közlemények</i> , 2002, 67, 73-82.	1.4	15
33	Effect of interlayer cations on high-temperature phases of vermiculite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006, 84, 147-155.	3.6	15
34	Fabrication of Optical Multilayer Devices from Porous Silicon Coatings with Closed Porosity by Magnetron Sputtering. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13889-13897.	8.0	13
35	Studies of deterioration of the tin-mercury alloy within ancient Spanish mirrors. <i>Journal of Cultural Heritage</i> , 2008, 9, e41-e46.	3.3	12
36	Vibrational spectroscopy characterization of magnetron sputtered silicon oxide and silicon oxynitride films. <i>Applied Surface Science</i> , 2009, 256, 156-164.	6.1	11

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37	Thermal decomposition of NH ₄ ⁺ -vermiculite from Santa Olalla (Huelva, Spain) and its relation to the metal ion distribution in the octahedral sheet. <i>Physics and Chemistry of Minerals</i> , 2004, 31, 415.	0.8	10
38	Stability of n-Butylammonium Vermiculite in Powder and Flake Forms. <i>Clays and Clay Minerals</i> , 1998, 46, 687-693.	1.3	8
39	Monolithic supports based on biomorphic SiC for the catalytic combustion of hydrogen. <i>RSC Advances</i> , 2016, 6, 66373-66384.	3.6	8
40	Occurrence of talc in soils with high iron content from the south-west of Spain. <i>Soil Research</i> , 1996, 34, 635.	1.1	8
41	Estudio técnico de la decoración del techo perteneciente a la Sala Capitular del Ayuntamiento de Sevilla. <i>Materiales De Construccion</i> , 2010, 60, 83-95.	0.7	8
42	The influence of exchangeable cation on thermal behaviour of ground vermiculite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2003, 71, 761-771.	3.6	6
43	Strong activation effect on a Ru-Co-C thin film catalyst for the hydrolysis of sodium borohydride. <i>Scientific Reports</i> , 2018, 8, 9755.	3.3	6
44	Microstructural characterization of hydrophobic Ti _{1-x} Al _x N coatings with moth-eye-like surface morphology. <i>Journal of Alloys and Compounds</i> , 2012, 536, S398-S406.	5.5	5
45	Isolation and characterisation of barium sulphate and titanium oxides in monument crusts. <i>Analytica Chimica Acta</i> , 2004, 524, 373-377.	5.4	4
46	Pd-C Catalytic Thin Films Prepared by Magnetron Sputtering for the Decomposition of Formic Acid. <i>Nanomaterials</i> , 2021, 11, 2326.	4.1	4
47	Specific surface of two hydrated cements differing in strength. <i>Magyar Árvad Kémlemez</i> , 2002, 70, 181-189.	1.4	2
48	Study of degradation processes of metals used in some artworks from the cultural heritage of Andalusia, Spain. <i>Revista De Metalurgia</i> , 2009, 45, 277-286.	0.5	2
49	Analysis of the restoration of an historical organ: The case study of the Cavall-Coll organ of La Merced Church in Burgos, Spain. <i>Studies in Conservation</i> , 2012, 57, 21-28.	1.1	1