

JosÃ© Rafael RuÃ­z Arrebola

List of Publications by Year in descending order

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98
papers

2,921
citations

136740

32
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189595

50
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105
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105
docs citations

105
times ranked

3009
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper-complexed dipyriddy-pyridazine functionalized periodic mesoporous organosilica as a heterogeneous catalyst for styrene epoxidation. <i>Dalton Transactions</i> , 2022, 51, 4884-4897.	1.6	10
2	Efficient Removal of Nonylphenol Isomers from Water by Use of Organo-Hydrotalcites. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7214.	1.2	0
3	Three-Dimensional Hierarchical Hydrotalcite-Silica Sphere Composites as Catalysts for Baeyer-Villiger Oxidation Reactions Using Hydrogen Peroxide. <i>Catalysts</i> , 2022, 12, 629.	1.6	0
4	Analysis of mortars from the castle keep in Priego de Cordoba (Spain). <i>Vibrational Spectroscopy</i> , 2021, 112, 103184.	1.2	2
5	Multi-analytical identification of a painting workshop at the Roman archaeological site of Bilbilis (Saragossa, Spain). <i>Journal of Archaeological Science: Reports</i> , 2021, 38, 103108.	0.2	1
6	Microstructural analysis of 3D hierarchical composites of hydrotalcite-coated silica microspheres. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111247.	2.2	5
7	Spectroscopic analysis of pigments in a wall painting from a high Roman Empire building in Córdoba (Spain) and identification of the application technique. <i>Microchemical Journal</i> , 2021, 168, 106444.	2.3	11
8	Microwave-assisted synthesis of basic mixed oxides from hydrotalcites. <i>Journal of Porous Materials</i> , 2020, 27, 441-450.	1.3	7
9	Oleate Epoxidation in a Confined Matrix of Hydrotalcite. <i>ACS Omega</i> , 2020, 5, 619-625.	1.6	1
10	Use of Raman spectroscopy to assess nitrate uptake by calcined LDH phases. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 602, 125066.	2.3	17
11	Preparation of graphene-based nanomaterials by pulsed RF discharges on liquid organic compounds. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 435202.	1.3	3
12	A multi-analytical study of a wall painting in the Satyr domus in Córdoba, Spain. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 232, 118148.	2.0	6
13	Tailoring Bifunctional Periodic Mesoporous Organosilicas for Cooperative Catalysis. <i>ACS Applied Nano Materials</i> , 2020, 3, 2373-2382.	2.4	19
14	Characterization of Wallpaintings from the Caliphal Baths of Cordoba (Spain) by X-Ray Diffraction and Raman Microspectroscopy. <i>Analytical Letters</i> , 2019, 52, 411-422.	1.0	3
15	Zirconium coordination polymers based on tartaric and malic acids as catalysts for cyanosilylation reactions. <i>Applied Catalysis A: General</i> , 2019, 585, 117190.	2.2	17
16	Aldol Condensation of Furfural with Acetone Over Mg/Al Mixed Oxides. Influence of Water and Synthesis Method. <i>Catalysts</i> , 2019, 9, 203.	1.6	25
17	Identification of pigments in the Annunciation sculptural group (Cordoba, Spain) by micro-Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 214, 139-145.	2.0	14
18	Fast ultrasound-assisted synthesis of highly crystalline MIL-88A particles and their application as ethylene adsorbents. <i>Ultrasonics Sonochemistry</i> , 2019, 50, 59-66.	3.8	59

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19	Microwave-assisted synthesis of hybrid organo-layered double hydroxides containing cholate and deoxycholate. <i>Materials Chemistry and Physics</i> , 2019, 225, 28-33.	2.0	10
20	Use of Raman microspectroscopy to characterize wallpaintings in Cerro de las Cabezas and the Roman villa of Priego de Cordoba (Spain). <i>Vibrational Spectroscopy</i> , 2018, 96, 143-149.	1.2	12
21	Micro-Raman analysis of mortars and wallpaintings in the Roman villa of Fuente Alamo (Puente Genil, Tj ETQq1 1 0.784314 rgBT /Ove 15-23.	2.0	13
22	Spectroscopic analysis of corrosion products in a bronze cauldron from the Late Iberian Iron Age. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 205, 489-496.	2.0	14
23	Identification by Raman microspectroscopy of pigments in seated statues found in the Torreparedones Roman archaeological site (Baena, Spain). <i>Microchemical Journal</i> , 2017, 130, 191-197.	2.3	22
24	Use of Raman spectroscopy for analyzing edible vegetable oils. <i>Applied Spectroscopy Reviews</i> , 2016, 51, 417-430.	3.4	48
25	Use of Raman spectroscopy to assess the efficiency of MgAl mixed oxides in removing cyanide from aqueous solutions. <i>Applied Surface Science</i> , 2016, 364, 428-433.	3.1	26
26	Vibrational spectroscopic study of sol-gel layered double hydroxides containing different tri- and tetravalent cations. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 76, 614-620.	1.1	8
27	Raman microspectroscopic analysis of decorative pigments from the Roman villa of El Ruedo (Almedinilla, Spain). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 151, 16-21.	2.0	24
28	Characterization of macadamia and pecan oils and detection of mixtures with other edible seed oils by Raman spectroscopy. <i>Grasas Y Aceites</i> , 2015, 66, e094.	0.3	6
29	Raman spectroscopy study of layered-double hydroxides containing magnesium and trivalent metals. <i>Materials Letters</i> , 2014, 120, 193-195.	1.3	31
30	Delaminated layered double hydroxides as catalysts for the Meerwein-Ponndorf-Verley reaction. <i>Applied Catalysis A: General</i> , 2014, 470, 311-317.	2.2	30
31	Hydrotalcite-supported palladium nanoparticles as catalysts for the Suzuki reaction of aryl halides in water. <i>Applied Catalysis A: General</i> , 2014, 485, 196-201.	2.2	25
32	Raman spectroscopy study of edible oils and determination of the oxidative stability at frying temperatures. <i>European Journal of Lipid Science and Technology</i> , 2014, 116, 1451-1456.	1.0	49
33	Tin-containing hydrotalcite-like compounds as catalysts for the Meerwein-Ponndorf-Verley reaction. <i>Applied Catalysis A: General</i> , 2014, 469, 367-372.	2.2	32
34	Near- and mid-infrared spectroscopy of layered double hydroxides containing various di- and tri-valent metals. <i>Journal of Porous Materials</i> , 2013, 20, 351-357.	1.3	11
35	Synthesis and characterization of Pd(II) complexes of 2- and 3-thiophenecarbaldehyde immobilized on silica obtained from sepiolite. <i>Applied Organometallic Chemistry</i> , 2013, 27, 542-545.	1.7	3
36	Raman microspectroscopy of hydrotalcite-like compounds modified with sulphate and sulphonate organic anions. <i>Journal of Molecular Structure</i> , 2013, 1034, 38-42.	1.8	26

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37	Recent Advances in the Heterogeneous Palladium-Catalysed Suzuki Cross-Coupling Reaction. <i>Current Organic Chemistry</i> , 2012, 16, 1128-1150.	0.9	66
38	Near- and mid-infrared spectroscopy study of synthetic hydrocalumites. <i>Solid State Sciences</i> , 2011, 13, 101-105.	1.5	20
39	Near-infrared spectroscopy of palladium-containing layered double hydroxides used as catalysts. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 214-219.	1.9	3
40	Synthesis of (E)-nitroalkenes Catalysed by Ethanolamine Supported on Silica. <i>Catalysis Letters</i> , 2010, 134, 131-137.	1.4	6
41	Ca/Al Mixed Oxides as Catalysts for the Meerweinâ€“Ponndorfâ€“Verley Reaction. <i>Catalysis Letters</i> , 2010, 136, 192-198.	1.4	21
42	MIR and NIR spectroscopy of solâ€“gel hydrotalcites with various trivalent cations. <i>Journal of Sol-Gel Science and Technology</i> , 2010, 55, 59-65.	1.1	11
43	Sepiolite as environmental friendly and reusable catalyst for the selective synthesis of (E)-nitrostyrenes. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2010, 99, 303.	0.8	3
44	Influence of the calcination temperature on the nano-structural properties, surface basicity, and catalytic behavior of alumina-supported lanthana samples. <i>Journal of Catalysis</i> , 2010, 272, 121-130.	3.1	81
45	Isolation of sterols from sunflower oil deodorizer distillate. <i>Journal of Food Engineering</i> , 2010, 101, 210-213.	2.7	31
46	Formation of Stable Nanolayers of Meixnerite via a Combined Delamination-Ion Exchange Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 6562-6566.	0.9	5
47	Suzuki crossâ€“coupling reaction of aryl and heterocyclic bromides and aromatic polybromides on a Pd(II)-hydrotalcite catalyst. <i>Applied Organometallic Chemistry</i> , 2008, 22, 122-127.	1.7	17
48	Suzuki cross-coupling reactions over Pd(II)-hydrotalcite catalysts in water. <i>Journal of Molecular Catalysis A</i> , 2008, 285, 79-83.	4.8	32
49	The Baeyerâ€“Villiger reaction on heterogeneous catalysts. <i>Tetrahedron</i> , 2008, 64, 2011-2026.	1.0	110
50	Meerweinâ€“Ponndorfâ€“Verley reaction of acetophenones with 2-propanol over MgAl mixed oxide: The substituent effect. <i>Catalysis Communications</i> , 2007, 8, 1036-1040.	1.6	33
51	Heterogeneous Baeyerâ€“Villiger oxidation of ketones with H ₂ O ₂ /nitrile, using Mg/Al hydrotalcite as catalyst. <i>Tetrahedron</i> , 2007, 63, 1435-1439.	1.0	54
52	Environmentally friendly Baeyer-Villiger oxidation with H ₂ O ₂ /nitrile over Mg(OH) ₂ and MgO. <i>Applied Catalysis B: Environmental</i> , 2007, 72, 18-25.	10.8	56
53	Metal hydroxides as catalysts for the Baeyer-Villiger oxidation of cyclohexanone with hydrogen peroxide. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 90, 309-313.	0.6	8
54	Suzuki cross-coupling reaction over a palladiumâ€“pyridine complex immobilized on hydrotalcite. <i>Catalysis Communications</i> , 2006, 7, 1025-1028.	1.6	27

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55	Baeyer-Villiger oxidation of cyclohexanone with hydrogen peroxide/benzonitrile over hydrotalcites as catalysts. <i>Applied Catalysis A: General</i> , 2006, 312, 86-94.	2.2	66
56	Heterogeneous Suzuki cross-coupling reactions over palladium/hydrotalcite catalysts. <i>Journal of Colloid and Interface Science</i> , 2006, 302, 568-575.	5.0	48
57	Suzuki cross-coupling reaction of fluorobenzene with heterogeneous palladium catalysts. <i>Journal of Fluorine Chemistry</i> , 2006, 127, 443-445.	0.9	28
58	Palladium supported on hydrotalcite as a catalyst for the Suzuki cross-coupling reaction. <i>Tetrahedron</i> , 2006, 62, 2922-2926.	1.0	39
59	Hydrotalcites as catalysts for the Baeyer-Villiger oxidation of cyclic ketones with hydrogen peroxide/benzonitrile. <i>Tetrahedron</i> , 2006, 62, 11697-11703.	1.0	45
60	Reduction of heterocyclic carboxaldehydes via Meerwein-Ponndorf-Verley reaction. <i>Applied Catalysis A: General</i> , 2006, 303, 23-28.	2.2	30
61	Reduction of ketones and aldehydes to alcohols with magnesium-aluminium mixed oxide and 2-propanol. <i>Journal of Molecular Catalysis A</i> , 2006, 246, 190-194.	4.8	49
62	Synthesis and textural-structural characterization of magnesia, magnesia-titania and magnesia-zirconia catalysts. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 234, 17-25.	2.3	47
63	Magnesium-containing mixed oxides as basic catalysts: base characterization by carbon dioxide TPD-MS and test reactions. <i>Journal of Molecular Catalysis A</i> , 2004, 218, 81-90.	4.8	80
64	Influence of the preparation method on the structural and surface properties of various magnesium oxides and their catalytic activity in the Meerwein-Ponndorf-Verley reaction. <i>Applied Catalysis A: General</i> , 2003, 244, 207-215.	2.2	130
65	Reduction of α,β -unsaturated aldehydes with basic MgO/M ₂ O ₃ catalysts (M=Al, Ga, In). <i>Applied Catalysis A: General</i> , 2003, 249, 1-9.	2.2	45
66	Catalytic hydrogen transfer from 2-propanol to cyclohexanone over basic Mg-Al oxides. <i>Applied Catalysis A: General</i> , 2003, 255, 301-308.	2.2	47
67	Synthesis and characterization of Pt/MgO catalysts and their use in n-hexane conversion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 225, 137-143.	2.3	5
68	Meerwein-Ponndorf-Verley reduction of cycloalkanones over magnesium-aluminium oxide. <i>Perkin Transactions II RSC</i> , 2002, , 1122-1125.	1.1	22
69	Comparative Study of Mg/M(III) (M=Al, Ga, In) Layered Double Hydroxides Obtained by Coprecipitation and the Sol-Gel Method. <i>Journal of Solid State Chemistry</i> , 2002, 168, 156-161.	1.4	105
70	α -Arylation of diethyl malonate via enolate with bases in a heterogeneous phase. <i>Tetrahedron Letters</i> , 2002, 43, 2847-2849.	0.7	32
71	Liquid-phase heterogeneous catalytic transfer hydrogenation of citral on basic catalysts. <i>Journal of Molecular Catalysis A</i> , 2001, 171, 153-158.	4.8	48
72	Catalytic transfer hydrogenation of citral on calcined layered double hydroxides. <i>Applied Catalysis A: General</i> , 2001, 206, 95-101.	2.2	59

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73	Epoxidation of limonene over hydrotalcite-like compounds with hydrogen peroxide in the presence of nitriles. <i>Applied Catalysis A: General</i> , 2001, 216, 257-265.	2.2	79
74	Activity of Basic Catalysts in the Meerwein-Ponndorf-Verley Reaction of Benzaldehyde with Ethanol. <i>Journal of Colloid and Interface Science</i> , 2001, 238, 385-389.	5.0	57
75	Characterization of the Structure and Catalytic Activity of Pt/Sepiolite Catalysts. <i>Journal of Colloid and Interface Science</i> , 2000, 227, 469-475.	5.0	12
76	The surface structure of catalysts activated with hydrogen donors as elucidated by multinuclear solid-state NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2000, 16, 217-224.	1.5	2
77	Preparation of Pt/MgO catalysts. Influence of the precursor metal salt and solvent used. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 168, 27-33.	2.3	21
78	Calcium- and iron-related phosphorus in calcareous and calcareous marsh soils: Sequential chemical fractionation and ³¹ p nuclear magnetic resonance study. <i>Communications in Soil Science and Plant Analysis</i> , 2000, 31, 2483-2499.	0.6	28
79	XRD and ¹ H MAS NMR spectroscopic study of mixed oxides obtained by calcination of layered-double hydroxides. <i>Materials Letters</i> , 2000, 46, 309-314.	1.3	27
80	Synthesis and characterization of a novel Mg/In hydrotalcite-like compound. <i>Materials Letters</i> , 2000, 43, 118-121.	1.3	20
81	Comparative study of Mg/Al and Mg/Ga layered double hydroxides. <i>Microporous and Mesoporous Materials</i> , 1999, 29, 319-328.	2.2	77
82	MAS NMR, DRIFT, and FT-Raman Characterization of SiO ₂ -AlPO ₄ -B ₂ O ₃ Ternary Catalytic Systems. <i>Journal of Colloid and Interface Science</i> , 1999, 217, 186-193.	5.0	8
83	Characterization of Various Magnesium Oxides by XRD and ¹ H MAS NMR Spectroscopy. <i>Journal of Solid State Chemistry</i> , 1999, 144, 25-29.	1.4	38
84	Thermal decomposition of Mg/Al and Mg/Ga layered-double hydroxides: a spectroscopic study. <i>Journal of Materials Chemistry</i> , 1999, 9, 1603-1607.	6.7	111
85	Surface Characterization of Supported Pd Catalysts Activated with Chiral Hydrogen Donors. <i>Langmuir</i> , 1999, 15, 5183-5187.	1.6	1
86	Study of MgO and Pt/MgO Systems by XRD, TPR, and ¹ H MAS NMR. <i>Langmuir</i> , 1999, 15, 1192-1197.	1.6	67
87	Characterization by XRD, DRIFT, and MAS NMR Spectroscopies of a Mg ₂ P ₂ O ₇ Catalyst. <i>Journal of Colloid and Interface Science</i> , 1998, 202, 456-461.	5.0	27
88	XRD and Solid-State NMR Study of Magnesium Oxide-Magnesium Orthophosphate Systems. <i>Journal of Solid State Chemistry</i> , 1998, 135, 96-102.	1.4	45
89	¹ H mas NMR study of OH groups in the AlPO ₄ /SiO ₂ system. <i>Reaction Kinetics and Catalysis Letters</i> , 1998, 65, 207-212.	0.6	4
90	Decomposition Processes and Characterization of the Surface Basicity of Cl- and CO ₂ -Hydrotalcites. <i>Langmuir</i> , 1998, 14, 2086-2091.	1.6	99

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91	Synthesis, Characterization, and ^1H and ^{71}Ga MAS NMR Spectroscopy of a Novel Mg/Ga Double Layered Hydroxide. <i>Journal of Solid State Chemistry</i> , 1997, 131, 78-83.	1.4	39
92	Addition of oximes to (+) and (β)-limonene catalyzed by supported palladium. <i>Reaction Kinetics and Catalysis Letters</i> , 1995, 55, 341-347.	0.6	2
93	Selective gas-phase dehydrogenation of cyclohexanol with magnesium orthophosphates. <i>Studies in Surface Science and Catalysis</i> , 1994, 82, 769-776.	1.5	2
94	Synthesis of Quaternary Indoxyl Derivatives by Intramolecular Cyclization of Some Substituted Acetophenones. <i>Liebigs Annalen Der Chemie</i> , 1994, 1994, 679-684.	0.8	15
95	Addition of Pyruvatoximes to Exocyclic Double Bonds. <i>Synthetic Communications</i> , 1992, 22, 3263-3269.	1.1	2
96	Reactivity of Cyanogen towards α -Substituted Sulfamides: Synthesis of 1,2,5-Thiadiazole 1,1-Dioxide Derivatives. <i>Liebigs Annalen Der Chemie</i> , 1989, 1989, 1135-1137.	0.8	10
97	Synthesis and reactivity of some amino-substituted 1,2,5-thiadiazole 1,1-dioxides. <i>Liebigs Annalen Der Chemie</i> , 1988, 1988, 337-341.	0.8	13
98	Stable indazol-3-ylidene oxides by intramolecular cyclization of N',N' -disubstituted 2-halobenzohydrazides. <i>Tetrahedron Letters</i> , 1988, 29, 697-700.	0.7	15