

Jos Rafael Ruz Arrebola

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

95
papers

2,390
citations

30
h-index

44
g-index

105
ext. papers

2,612
ext. citations

4.2
avg, IF

4.91
L-index

#	Paper	IF	Citations
95	Analysis of mortars from the castle keep in Priego de Cordoba (Spain). <i>Vibrational Spectroscopy</i> , 2021 , 112, 103184	2.1	1
94	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	0.7	1
93	Microstructural analysis of 3D hierarchical composites of hydrotalcite-coated silica microspheres. <i>Microporous and Mesoporous Materials</i> , 2021 , 323, 111247	5.3	0
92	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	4.8	4
91	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	5.1	5
90	Preparation of graphene-based nanomaterials by pulsed RF discharges on liquid organic compounds. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 435202	3	1
89	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	4.4	4
88	Tailoring Bifunctional Periodic Mesoporous Organosilicas for Cooperative Catalysis. <i>ACS Applied Nano Materials</i> , 2020 , 3, 2373-2382	5.6	10
87	Microwave-assisted synthesis of basic mixed oxides from hydrotalcites. <i>Journal of Porous Materials</i> , 2020 , 27, 441-450	2.4	3
86	Oleate Epoxidation in a Confined Matrix of Hydrotalcite. <i>ACS Omega</i> , 2020 , 5, 619-625	3.9	1
85	Aldol Condensation of Furfural with Acetone Over Mg/Al Mixed Oxides. Influence of Water and Synthesis Method. <i>Catalysts</i> , 2019 , 9, 203	4	11
84	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	4.4	8
83	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	2.2	2
82	Zirconium coordination polymers based on tartaric and malic acids as catalysts for cyanosilylation reactions. <i>Applied Catalysis A: General</i> , 2019 , 585, 117190	5.1	11
81	Fast ultrasound-assisted synthesis of highly crystalline MIL-88A particles and their application as ethylene adsorbents. <i>Ultrasonics Sonochemistry</i> , 2019 , 50, 59-66	8.9	32
80	Microwave-assisted synthesis of hybrid organo-layered double hydroxides containing cholate and deoxycholate. <i>Materials Chemistry and Physics</i> , 2019 , 225, 28-33	4.4	5
79	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	2.1	11

78	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	4.4	3
77	Micro-Raman analysis of mortars and wallpaintings in the Roman villa of Fuente Alamo (Puente Genil, Spain) and identification of the application technique. <i>Sensors and Actuators A: Physical</i> , 2018 , 281, 15-23	3.9	11
76	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	4.8	20
75	Use of Raman spectroscopy for analyzing edible vegetable oils. <i>Applied Spectroscopy Reviews</i> , 2016 , 51, 417-430	4.5	37
74	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	6.7	20
73	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	4.4	21
72	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	2.3	5
71	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	1.3	2
70	Delaminated layered double hydroxides as catalysts for the Meerwein-Ponndorf-Verley reaction. <i>Applied Catalysis A: General</i> , 2014 , 470, 311-317	5.1	24
69	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	5.1	25
68	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	3	33
67	Tin-containing hydrotalcite-like compounds as catalysts for the Meerwein-Ponndorf-Verley reaction. <i>Applied Catalysis A: General</i> , 2014 , 469, 367-372	5.1	29
66	Raman spectroscopy study of layered-double hydroxides containing magnesium and trivalent metals. <i>Materials Letters</i> , 2014 , 120, 193-195	3.3	16
65	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	2.4	10
64	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	3.1	3
63	Raman microspectroscopy of hydrotalcite-like compounds modified with sulphate and sulphonate organic anions. <i>Journal of Molecular Structure</i> , 2013 , 1034, 38-42	3.4	24
62	Recent Advances in the Heterogeneous Palladium-Catalysed Suzuki Cross-Coupling Reaction. <i>Current Organic Chemistry</i> , 2012 , 16, 1128-1150	1.7	59
61	Near- and mid-infrared spectroscopy study of synthetic hydrocalumites. <i>Solid State Sciences</i> , 2011 , 13, 101-105	3.4	19

60	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	3.9	3
59	Formation of stable nanolayers of meixnerite via a combined delamination-ion exchange process. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 6562-6	1.3	4
58	Synthesis of (E)-nitroalkenes Catalysed by Ethanolamine Supported on Silica. <i>Catalysis Letters</i> , 2010 , 134, 131-137	2.8	6
57	Ca/Al Mixed Oxides as Catalysts for the MeerweinBonndorfVerley Reaction. <i>Catalysis Letters</i> , 2010 , 136, 192-198	2.8	20
56	MIR and NIR spectroscopy of sol-gel hydrotalcites with various trivalent cations. <i>Journal of Sol-Gel Science and Technology</i> , 2010 , 55, 59-65	2.3	8
55	Sepiolite as environmental friendly and reusable catalyst for the selective synthesis of (E)-nitrostyrenes. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2010 , 99, 303	1.6	3
54	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	7.3	67
53	Isolation of sterols from sunflower oil deodorizer distillate. <i>Journal of Food Engineering</i> , 2010 , 101, 210-213		29
52	Suzuki cross-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	3.1	15
51	Suzuki cross-coupling reactions over Pd(II)-hydrotalcite catalysts in water. <i>Journal of Molecular Catalysis A</i> , 2008 , 285, 79-83		30
50	The BaeyerVilliger reaction on heterogeneous catalysts. <i>Tetrahedron</i> , 2008 , 64, 2011-2026	2.4	88
49	MeerweinBonndorfVerley reaction of acetophenones with 2-propanol over MgAl mixed oxide: The substituent effect. <i>Catalysis Communications</i> , 2007 , 8, 1036-1040	3.2	32
48	Heterogeneous BaeyerVilliger oxidation of ketones with H ₂ O ₂ /nitrile, using Mg/Al hydrotalcite as catalyst. <i>Tetrahedron</i> , 2007 , 63, 1435-1439	2.4	46
47	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	21.8	49
46	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		7
45	Reduction of heterocyclic carboxaldehydes via MeerweinBonndorfVerley reaction. <i>Applied Catalysis A: General</i> , 2006 , 303, 23-28	5.1	27
44	Reduction of ketones and aldehydes to alcohols with magnesiumaluminium mixed oxide and 2-propanol. <i>Journal of Molecular Catalysis A</i> , 2006 , 246, 190-194		44
43	Suzuki cross-coupling reaction over a palladiumpyridine complex immobilized on hydrotalcite. <i>Catalysis Communications</i> , 2006 , 7, 1025-1028	3.2	24

42	Baeyer-Villiger oxidation of cyclohexanone with hydrogen peroxide/benzonitrile over hydrotalcites as catalysts. <i>Applied Catalysis A: General</i> , 2006 , 312, 86-94	5.1	52
41	Heterogeneous Suzuki cross-coupling reactions over palladium/hydrotalcite catalysts. <i>Journal of Colloid and Interface Science</i> , 2006 , 302, 568-75	9.3	45
40	Suzuki cross-coupling reaction of fluorobenzene with heterogeneous palladium catalysts. <i>Journal of Fluorine Chemistry</i> , 2006 , 127, 443-445	2.1	27
39	Palladium supported on hydrotalcite as a catalyst for the Suzuki cross-coupling reaction. <i>Tetrahedron</i> , 2006 , 62, 2922-2926	2.4	34
38	Hydrotalcites as catalysts for the Baeyer-Villiger oxidation of cyclic ketones with hydrogen peroxide/benzonitrile. <i>Tetrahedron</i> , 2006 , 62, 11697-11703	2.4	36
37	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	5.1	42
36	Magnesium-containing mixed oxides as basic catalysts: base characterization by carbon dioxide TPDMS and test reactions. <i>Journal of Molecular Catalysis A</i> , 2004 , 218, 81-90		66
35	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	5.1	118
34	Reduction of α -unsaturated aldehydes with basic MgO/M ₂ O ₃ catalysts (M=Al, Ga, In). <i>Applied Catalysis A: General</i> , 2003 , 249, 1-9	5.1	39
33	Catalytic hydrogen transfer from 2-propanol to cyclohexanone over basic Mg/Al oxides. <i>Applied Catalysis A: General</i> , 2003 , 255, 301-308	5.1	41
32	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	5.1	3
31	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	3.3	90
30	α -Arylation of diethyl malonate via enolate with bases in a heterogeneous phase. <i>Tetrahedron Letters</i> , 2002 , 43, 2847-2849	2	26
29	Meerwein-Ponndorf-Verley reduction of cycloalkanones over magnesium-aluminium oxide. <i>Perkin Transactions II RSC</i> , 2002 , 1122-1125		18
28	Liquid-phase heterogeneous catalytic transfer hydrogenation of citral on basic catalysts. <i>Journal of Molecular Catalysis A</i> , 2001 , 171, 153-158		42
27	Catalytic transfer hydrogenation of citral on calcined layered double hydroxides. <i>Applied Catalysis A: General</i> , 2001 , 206, 95-101	5.1	47
26	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	5.1	67
25	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	9.3	47

24	Characterization of the Structure and Catalytic Activity of Pt/Sepiolite Catalysts. <i>Journal of Colloid and Interface Science</i> , 2000 , 227, 469-475	9.3	11
23	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, 217-24	3.1	1
22	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	5.1	20
21	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	1.5	24
20	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	3.3	23
19	Synthesis and characterization of a novel Mg/In hydrotalcite-like compound. <i>Materials Letters</i> , 2000 , 43, 118-121	3.3	15
18	Comparative study of Mg/Al and Mg/Ga layered double hydroxides. <i>Microporous and Mesoporous Materials</i> , 1999 , 29, 319-328	5.3	70
17	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	9.3	7
16	Characterization of Various Magnesium Oxides by XRD and ¹ H MAS NMR Spectroscopy. <i>Journal of Solid State Chemistry</i> , 1999 , 144, 25-29	3.3	35
15	Thermal decomposition of Mg/Al and Mg/Ga layered-double hydroxides: a spectroscopic study. <i>Journal of Materials Chemistry</i> , 1999 , 9, 1603-1607		93
14	Surface Characterization of Supported Pd Catalysts Activated with Chiral Hydrogen Donors. <i>Langmuir</i> , 1999 , 15, 5183-5187	4	1
13	Study of MgO and Pt/MgO Systems by XRD, TPR, and ¹ H MAS NMR. <i>Langmuir</i> , 1999 , 15, 1192-1197	4	54
12	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	9.3	22
11	XRD and Solid-State NMR Study of Magnesium Oxide/Magnesium Orthophosphate Systems. <i>Journal of Solid State Chemistry</i> , 1998 , 135, 96-102	3.3	38
10	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		3
9	Decomposition Processes and Characterization of the Surface Basicity of Cl ⁻ and CO ₂ -Hydrotalcites. <i>Langmuir</i> , 1998 , 14, 2086-2091	4	87
8	Synthesis, Characterization, and ¹ H 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	3.3	30
7	Addition of oximes to (+) and (–)limonene catalyzed by supported palladium. <i>Reaction Kinetics and Catalysis Letters</i> , 1995 , 55, 341-347		2

6	Selective gas-phase dehydrogenation of cyclohexanol with magnesium orthophosphates. <i>Studies in Surface Science and Catalysis</i> , 1994 , 82, 769-776	1.8	2
5	Synthesis of Quaternary Indoxyl Derivatives by Intramolecular Cyclization of Some Substituted Acetophenones. <i>Liebigs Annalen Der Chemie</i> , 1994 , 1994, 679-684		11
4	Addition of Pyruvatoximes to Exocyclic Double Bonds. <i>Synthetic Communications</i> , 1992 , 22, 3263-3269	1.7	1
3	Reactivity of Cyanogen towards N-Substituted Sulfamides: Synthesis of 1,2,5-Thiadiazole 1,1-Dioxide Derivatives. <i>Liebigs Annalen Der Chemie</i> , 1989 , 1989, 1135-1137		6
2	Synthesis and reactivity of some amino-substituted 1,2,5-thiadiazole 1,1-dioxides. <i>Liebigs Annalen Der Chemie</i> , 1988 , 1988, 337-341		9
1	Stable indazol-3-ylidene oxides by intramolecular cyclization of N,N,N',N'-disubstituted 2-halobenzohydrazides. <i>Tetrahedron Letters</i> , 1988 , 29, 697-700	2	11