

Jos Rafael Ruz Arrebola

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2865479/jose-rafael-ruiz-arrebola-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
94	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
93	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
92	The Baeyer-Villiger reaction on heterogeneous catalysts. <i>Tetrahedron</i> , 2008 , 64, 2011-2026	2.4	88
91	Decomposition Processes and Characterization of the Surface Basicity of Cl- and CO ₂ -Hydrotalcites. <i>Langmuir</i> , 1998 , 14, 2086-2091	4	87
90	Comparative study of Mg/Al and Mg/Ga layered double hydroxides. <i>Microporous and Mesoporous Materials</i> , 1999 , 29, 319-328	5.3	70
89	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
88	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
87	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
86	Recent Advances in the Heterogeneous Palladium-Catalysed Suzuki Cross-Coupling Reaction. <i>Current Organic Chemistry</i> , 2012 , 16, 1128-1150	1.7	59
85	Study of MgO and Pt/MgO Systems by XRD, TPR, and ¹ H MAS NMR. <i>Langmuir</i> , 1999 , 15, 1192-1197	4	54
84	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
83	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
82	Catalytic transfer hydrogenation of citral on calcined layered double hydroxides. <i>Applied Catalysis A: General</i> , 2001 , 206, 95-101	5.1	47
81	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
80	Heterogeneous Baeyer-Villiger 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
79	Heterogeneous Suzuki cross-coupling reactions over palladium/hydrotalcite catalysts. <i>Journal of Colloid and Interface Science</i> , 2006 , 302, 568-75	9.3	45

78	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
77	Synthesis and textural-structural characterization of magnesia, magnesiaTitania and magnesiaZirconia catalysts. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004 , 234, 17-25	5.1	42
76	Liquid-phase heterogeneous catalytic transfer hydrogenation of citral on basic catalysts. <i>Journal of Molecular Catalysis A</i> , 2001 , 171, 153-158		42
75	Catalytic hydrogen transfer from 2-propanol to cyclohexanone over basic MgAl oxides. <i>Applied Catalysis A: General</i> , 2003 , 255, 301-308	5.1	41
74	Reduction of 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
73	XRD and Solid-State NMR Study of Magnesium OxideMagnesium Orthophosphate Systems. <i>Journal of Solid State Chemistry</i> , 1998 , 135, 96-102	3.3	38
72	Use of Raman spectroscopy for analyzing edible vegetable oils. <i>Applied Spectroscopy Reviews</i> , 2016 , 51, 417-430	4.5	37
71	Hydrotalcites as catalysts for the BaeyerVilliger oxidation of cyclic ketones with hydrogen peroxide/benzonitrile. <i>Tetrahedron</i> , 2006 , 62, 11697-11703	2.4	36
70	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
69	Palladium supported on hydrotalcite as a catalyst for the Suzuki cross-coupling reaction. <i>Tetrahedron</i> , 2006 , 62, 2922-2926	2.4	34
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	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
66	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
65	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
64	Suzuki cross-coupling reactions over Pd(II)-hydrotalcite catalysts in water. <i>Journal of Molecular Catalysis A</i> , 2008 , 285, 79-83		30
63	Tin-containing hydrotalcite-like compounds as catalysts for the MeerweinBonndorfVerley reaction. <i>Applied Catalysis A: General</i> , 2014 , 469, 367-372	5.1	29
62	Isolation of sterols from sunflower oil deodorizer distillate. <i>Journal of Food Engineering</i> , 2010 , 101, 210-213		29
61	Reduction of heterocyclic carboxaldehydes via MeerweinBonndorfVerley reaction. <i>Applied Catalysis A: General</i> , 2006 , 303, 23-28	5.1	27

60	Suzuki cross-coupling reaction of fluorobenzene with heterogeneous palladium catalysts. <i>Journal of Fluorine Chemistry</i> , 2006 , 127, 443-445	2.1	27
59	βArylation of diethyl malonate via enolate with bases in a heterogeneous phase. <i>Tetrahedron Letters</i> , 2002 , 43, 2847-2849	2	26
58	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
57	Delaminated layered double hydroxides as catalysts for the Meerwein-Bonndorf-Verley reaction. <i>Applied Catalysis A: General</i> , 2014 , 470, 311-317	5.1	24
56	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
55	Suzuki cross-coupling reaction over a palladium-pyridine complex immobilized on hydrotalcite. <i>Catalysis Communications</i> , 2006 , 7, 1025-1028	3.2	24
54	Calcium- and iron-related phosphorus in calcareous and calcareous marsh soils: Sequential chemical fractionation and 31p nuclear magnetic resonance study. <i>Communications in Soil Science and Plant Analysis</i> , 2000 , 31, 2483-2499	1.5	24
53	XRD and 1H 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
52	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
51	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
50	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
49	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
48	Ca/Al Mixed Oxides as Catalysts for the Meerwein-Bonndorf-Verley Reaction. <i>Catalysis Letters</i> , 2010 , 136, 192-198	2.8	20
47	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
46	Near- and mid-infrared spectroscopy study of synthetic hydrocalumites. <i>Solid State Sciences</i> , 2011 , 13, 101-105	3.4	19
45	Meerwein-Bonndorf-Verley reduction of cycloalkanones over magnesium-aluminium oxide. <i>Perkin Transactions II RSC</i> , 2002 , 1122-1125		18
44	Raman spectroscopy study of layered-double hydroxides containing magnesium and trivalent metals. <i>Materials Letters</i> , 2014 , 120, 193-195	3.3	16
43	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

42	Synthesis and characterization of a novel Mg/In hydrotalcite-like compound. <i>Materials Letters</i> , 2000 , 43, 118-121	3.3	15
41	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
40	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
39	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
38	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
37	Synthesis of Quaternary Indoxyl Derivatives by Intramolecular Cyclization of Some Substituted Acetophenones. <i>Liebigs Annalen Der Chemie</i> , 1994 , 1994, 679-684		11
36	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
35	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
34	Tailoring Bifunctional Periodic Mesoporous Organosilicas for Cooperative Catalysis. <i>ACS Applied Nano Materials</i> , 2020 , 3, 2373-2382	5.6	10
33	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
32	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
31	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
30	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
29	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
28	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
27	Synthesis of (E)-nitroalkenes Catalysed by Ethanolamine Supported on Silica. <i>Catalysis Letters</i> , 2010 , 134, 131-137	2.8	6
26	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
25	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

24	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
23	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
22	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
21	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
20	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
19	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
18	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
17	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
16	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
15	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
14	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
13	Microwave-assisted synthesis of basic mixed oxides from hydrotalcites. <i>Journal of Porous Materials</i> , 2020 , 27, 441-450	2.4	3
12	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
11	Addition of oximes to (+) and (–)limonene catalyzed by supported palladium. <i>Reaction Kinetics and Catalysis Letters</i> , 1995 , 55, 341-347		2
10	Selective gas-phase dehydrogenation of cyclohexanol with magnesium orthophosphates. <i>Studies in Surface Science and Catalysis</i> , 1994 , 82, 769-776	1.8	2
9	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
8	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
7	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

6	Surface Characterization of Supported Pd Catalysts Activated with Chiral Hydrogen Donors. <i>Langmuir</i> , 1999 , 15, 5183-5187	4	1
5	Addition of Pyruvatoximes to Exocyclic Double Bonds. <i>Synthetic Communications</i> , 1992 , 22, 3263-3269	1.7	1
4	Oleate Epoxidation in a Confined Matrix of Hydrotalcite. <i>ACS Omega</i> , 2020 , 5, 619-625	3.9	1
3	Analysis of mortars from the castle keep in Priego de Cordoba (Spain). <i>Vibrational Spectroscopy</i> , 2021 , 112, 103184	2.1	1
2	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
1	Microstructural analysis of 3D hierarchical composites of hydrotalcite-coated silica microspheres. <i>Microporous and Mesoporous Materials</i> , 2021 , 323, 111247	5.3	0