

Csar Jimnez-Sanchidrin

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89
papers

2,019
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28
h-index

39
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99
ext. papers

2,242
ext. citations

4.5
avg, IF

4.95
L-index

#	Paper	IF	Citations
89	The Baeyer-Villiger reaction on heterogeneous catalysts. <i>Tetrahedron</i> , 2008 , 64, 2011-2026	2.4	88
88	Microwave atmospheric pressure plasma jets for wastewater treatment: Degradation of methylene blue as a model dye. <i>Chemosphere</i> , 2017 , 180, 239-246	8.4	83
87	Influence of acidity and pore geometry on the product distribution in the hydroisomerization of light paraffins on zeolites. <i>Applied Catalysis A: General</i> , 2005 , 288, 104-115	5.1	69
86	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
85	TCE abatement with a plasma-catalytic combined system using MnO ₂ as catalyst. <i>Applied Catalysis B: Environmental</i> , 2014 , 156-157, 94-100	21.8	62
84	Recent Advances in the Heterogeneous Palladium-Catalysed Suzuki Cross-Coupling Reaction. <i>Current Organic Chemistry</i> , 2012 , 16, 1128-1150	1.7	59
83	Heterogeneous Catalysis in the Meerwein-Ponndorf-Verley Reduction of Carbonyl Compounds. <i>Current Organic Chemistry</i> , 2007 , 11, 1113-1125	1.7	58
82	Influence of pH and Si content on Si incorporation in SAPO-5 and their catalytic activity for isomerisation of n-heptane over Pt loaded catalysts. <i>Microporous and Mesoporous Materials</i> , 2007 , 99, 288-298	5.3	56
81	Effect of the impregnation order on the nature of metal particles of bi-functional Pt/Pd-supported zeolite Beta materials and on their catalytic activity for the hydroisomerization of alkanes. <i>Journal of Catalysis</i> , 2008 , 254, 12-26	7.3	53
80	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
79	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
78	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
77	Heterogeneous Suzuki cross-coupling reactions over palladium/hydrotalcite catalysts. <i>Journal of Colloid and Interface Science</i> , 2006 , 302, 568-75	9.3	45
76	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		44
75	Use of Raman spectroscopy for analyzing edible vegetable oils. <i>Applied Spectroscopy Reviews</i> , 2016 , 51, 417-430	4.5	37
74	Metal-Exchanged Zeolites as Catalysts for the Conversion of Acetone to Hydrocarbons. <i>Materials</i> , 2012 , 5, 121-134	3.5	37
73	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

72	Thermal behaviour, sulfonation and catalytic activity of phenylene-bridged periodic mesoporous organosilicas. <i>Journal of Materials Chemistry</i> , 2011 , 21, 724-733		34
71	Palladium supported on hydrotalcite as a catalyst for the Suzuki cross-coupling reaction. <i>Tetrahedron</i> , 2006 , 62, 2922-2926	2.4	34
70	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
69	Formation and functionalization of surface Diels-Alder adducts on ethenylene-bridged periodic mesoporous organosilica. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10990		33
68	Meerwein-Ponndorf-Verley reaction of acetophenones with 2-propanol over MgAl mixed oxide: The substituent effect. <i>Catalysis Communications</i> , 2007 , 8, 1036-1040	3.2	32
67	A one-step sulfonic acid PMO as a recyclable acid catalyst. <i>Journal of Catalysis</i> , 2015 , 326, 139-148	7.3	31
66	Transition metal exchanged Zeolites: Characterization of the metal state and catalytic application in the methanol conversion to hydrocarbons. <i>Microporous and Mesoporous Materials</i> , 2013 , 179, 30-39	5.3	31
65	Suzuki cross-coupling reactions over Pd(II)-hydrotalcite catalysts in water. <i>Journal of Molecular Catalysis A</i> , 2008 , 285, 79-83		30
64	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
63	Local environment and acidity in alkaline and alkaline-earth exchanged Zeolite: Structural analysis and catalytic properties. <i>Microporous and Mesoporous Materials</i> , 2011 , 142, 672-679	5.3	29
62	Isolation of sterols from sunflower oil deodorizer distillate. <i>Journal of Food Engineering</i> , 2010 , 101, 210-213		29
61	Etherification of glycerol with tert -butyl alcohol over sulfonated hybrid silicas. <i>Applied Catalysis A: General</i> , 2016 , 526, 155-163	5.1	28
60	Reduction of heterocyclic carboxaldehydes via Meerwein-Ponndorf-Verley reaction. <i>Applied Catalysis A: General</i> , 2006 , 303, 23-28	5.1	27
59	Suzuki cross-coupling reaction of fluorobenzene with heterogeneous palladium catalysts. <i>Journal of Fluorine Chemistry</i> , 2006 , 127, 443-445	2.1	27
58	Eu ³⁺ @PMO: synthesis, characterization and luminescence properties. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2909-2917	7.1	25
57	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
56	Transformation of light paraffins in a microwave-induced plasma-based reactor at reduced pressure. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 4111-4122	6.7	25
55	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

54	Coumarin Derivatives Solvent-Free Synthesis under Microwave Irradiation over Heterogeneous Solid Catalysts. <i>Molecules</i> , 2017 , 22,	4.8	24
53	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
52	Study of the thermal decomposition of a sepiolite by mid- and near-infrared spectroscopies. <i>Polyhedron</i> , 2010 , 29, 3046-3051	2.7	24
51	Suzuki cross-coupling reaction over a palladium-pyridine complex immobilized on hydrotalcite. <i>Catalysis Communications</i> , 2006 , 7, 1025-1028	3.2	24
50	Adsorption of the herbicide S-Metolachlor on periodic mesoporous organosilicas. <i>Chemical Engineering Journal</i> , 2013 , 228, 205-213	14.7	23
49	Preparation of Palladium-Supported Periodic Mesoporous Organosilicas and their Use as Catalysts in the Suzuki Cross-Coupling Reaction. <i>Materials</i> , 2013 , 6, 1554-1565	3.5	22
48	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
47	Comparison of the thermal and hydrothermal stabilities of ethylene, ethylidene, phenylene and biphenylene bridged periodic mesoporous organosilicas. <i>Materials Letters</i> , 2011 , 65, 1460-1462	3.3	21
46	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
45	Evaluation of phenylene-bridged periodic mesoporous organosilica as a stationary phase for solid phase extraction. <i>Journal of Chromatography A</i> , 2014 , 1370, 25-32	4.5	20
44	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
43	Ca/Al Mixed Oxides as Catalysts for the Meerwein-Bonndorf-Verley Reaction. <i>Catalysis Letters</i> , 2010 , 136, 192-198	2.8	20
42	Near- and mid-infrared spectroscopy study of synthetic hydrocalumites. <i>Solid State Sciences</i> , 2011 , 13, 101-105	3.4	19
41	Valorization of Olefins: Double bond shift and skeletal isomerization of 1-pentene and 1-hexene on zirconia-based catalysts. <i>Catalysis Today</i> , 2010 , 149, 275-280	5.3	19
40	Excited-state equilibration in a meso-/microporous material-hosted bichromophoric [Ruthenium (2,2'-bipyridine) ₃] ²⁺ : Reversible energy transfer and photosensitized electron pumping. <i>Inorganica Chimica Acta</i> , 2007 , 360, 987-994	2.7	17
39	Raman spectroscopy study of layered-double hydroxides containing magnesium and trivalent metals. <i>Materials Letters</i> , 2014 , 120, 193-195	3.3	16
38	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
37	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

36	Study of organo-hybrid layered double hydroxides by medium and near infrared spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 78, 989-95	4.4	11
35	Periodic Mesoporous Organosilicas as Catalysts for Organic Reactions. <i>Current Organic Chemistry</i> , 2014 , 18, 1280-1295	1.7	11
34	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
33	Tailoring Bifunctional Periodic Mesoporous Organosilicas for Cooperative Catalysis. <i>ACS Applied Nano Materials</i> , 2020 , 3, 2373-2382	5.6	10
32	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
31	Application of Sulfonic Acid Functionalised Hybrid Silicas Obtained by Oxidative Cleavage of Tetrasulfide Bridges as Catalysts in Esterification Reactions. <i>ChemCatChem</i> , 2013 , 5, 1002-1010	5.2	10
30	Transformation of Olefins over Pt ^M (M = Re, Sn, Ge) supported chlorinated alumina. <i>Fuel</i> , 2007 , 86, 1000-1007	7.1	10
29	Vulcanized Ethene-PMO: A New Strategy to Create Ultrastable Support Materials and Adsorbents. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 17862-17869	3.8	9
28	Selectivity Control in a Microwave Surface-Wave Plasma Reactor for Hydrocarbon Conversion. <i>Plasma Processes and Polymers</i> , 2011 , 8, 709-717	3.4	9
27	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
26	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
25	Pyrrole PMOs, incorporating new N-heterocyclic compounds on an ethene-PMO through Diels-Alder reactions. <i>Materials Chemistry and Physics</i> , 2014 , 148, 403-410	4.4	7
24	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
23	Luminescent Graphene-Based Materials via Europium Complexation on Dipyridylpyridazine-Functionalized Graphene Sheets. <i>Chemistry - A European Journal</i> , 2019 , 25, 6823-6830	4.8	6
22	Synthesis of (E)-nitroalkenes Catalysed by Ethanolamine Supported on Silica. <i>Catalysis Letters</i> , 2010 , 134, 131-137	2.8	6
21	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
20	Enhanced Concentration of Medium Strength Brønsted Acid Sites in Aluminium-Modified Zeolite. <i>Catalysis Letters</i> , 2012 , 142, 112-117	2.8	5
19	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

18	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
17	Evaluation of different bridged organosilicas as efficient adsorbents for the herbicide S-metolachlor. <i>RSC Advances</i> , 2015 , 5, 24158-24166	3.7	4
16	Thiol-Functionalized Ethylene Periodic Mesoporous Organosilica as an Efficient Scavenger for Palladium: Confirming the Homogeneous Character of the Suzuki Reaction. <i>Materials</i> , 2020 , 13,	3.5	4
15	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
14	Transformation of 1-hexene on Pt supported ZSM-5 zeolite modified with tin, copper or chromium. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015 , 116, 285-297	1.6	3
13	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
12	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
11	Recent Developments in Phytosterol Recovery from Oil Deodorizer Distillates. <i>Current Nutrition and Food Science</i> , 2015 , 11, 4-10	0.7	3
10	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
9	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
8	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
7	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
6	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
5	Oleate Epoxidation in a Confined Matrix of Hydrotalcite. <i>ACS Omega</i> , 2020 , 5, 619-625	3.9	1
4	A multi-analytical study of funerary wall paintings in the Roman necropolis of Camino Viejo de Almod�ar (C�doba, Spain). <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	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	Microstructural analysis of 3D hierarchical composites of hydrotalcite-coated silica microspheres. <i>Microporous and Mesoporous Materials</i> , 2021 , 323, 111247	5.3	0
1	Hydroxyl-Decorated Diiron Complex as a [FeFe]-Hydrogenase Active Site Model Complex: Light-Driven Photocatalytic Activity and Heterogenization on Ethylene-Bridged Periodic Mesoporous Organosilica. <i>Catalysts</i> , 2022 , 12, 254	4	0

