

# Csar Jimnez-Sanchidrin

## 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.

89  
papers

2,019  
citations

28  
h-index

39  
g-index

99  
ext. papers

2,242  
ext. citations

4.5  
avg, IF

4.95  
L-index

#	Paper	IF	Citations
89	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> , <b>2022</b> , 12, 254	4	0
88	Analysis of mortars from the castle keep in Priego de Cordoba (Spain). <i>Vibrational Spectroscopy</i> , <b>2021</b> , 112, 103184	2.1	1
87	Microstructural analysis of 3D hierarchical composites of hydrotalcite-coated silica microspheres. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 323, 111247	5.3	0
86	Use of Raman spectroscopy to assess nitrate uptake by calcined LDH phases. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 602, 125066	5.1	5
85	Preparation of graphene-based nanomaterials by pulsed RF discharges on liquid organic compounds. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 435202	3	1
84	Thiol-Functionalized Ethylene Periodic Mesoporous Organosilica as an Efficient Scavenger for Palladium: Confirming the Homogeneous Character of the Suzuki Reaction. <i>Materials</i> , <b>2020</b> , 13,	3.5	4
83	Tailoring Bifunctional Periodic Mesoporous Organosilicas for Cooperative Catalysis. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 2373-2382	5.6	10
82	Oleate Epoxidation in a Confined Matrix of Hydrotalcite. <i>ACS Omega</i> , <b>2020</b> , 5, 619-625	3.9	1
81	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> , <b>2020</b> , 135, 1	3.1	1
80	Luminescent Graphene-Based Materials via Europium Complexation on Dipyridylpyridazine-Functionalized Graphene Sheets. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 6823-6830	4.8	6
79	Identification of pigments in the Annunciation sculptural group (Cordoba, Spain) by micro-Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 214, 139-145	4.4	8
78	Characterization of Wallpaintings from the Caliphal Baths of Cordoba (Spain) by X-Ray Diffraction and Raman Microspectroscopy. <i>Analytical Letters</i> , <b>2019</b> , 52, 411-422	2.2	2
77	Microwave-assisted synthesis of hybrid organo-layered double hydroxides containing cholate and deoxycholate. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 225, 28-33	4.4	5
76	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> , <b>2018</b> , 96, 143-149	2.1	11
75	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> , <b>2018</b> , 205, 489-496	4.4	3
74	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> , <b>2018</b> , 281, 15-23	3.9	11
73	Microwave atmospheric pressure plasma jets for wastewater treatment: Degradation of methylene blue as a model dye. <i>Chemosphere</i> , <b>2017</b> , 180, 239-246	8.4	83

72	Identification by Raman microspectroscopy of pigments in seated statues found in the Torreparedones Roman archaeological site (Baena, Spain). <i>Microchemical Journal</i> , <b>2017</b> , 130, 191-197	4.8	20
71	Coumarin Derivatives Solvent-Free Synthesis under Microwave Irradiation over Heterogeneous Solid Catalysts. <i>Molecules</i> , <b>2017</b> , 22,	4.8	24
70	Etherification of glycerol with tert -butyl alcohol over sulfonated hybrid silicas. <i>Applied Catalysis A: General</i> , <b>2016</b> , 526, 155-163	5.1	28
69	Use of Raman spectroscopy for analyzing edible vegetable oils. <i>Applied Spectroscopy Reviews</i> , <b>2016</b> , 51, 417-430	4.5	37
68	Use of Raman spectroscopy to assess the efficiency of MgAl mixed oxides in removing cyanide from aqueous solutions. <i>Applied Surface Science</i> , <b>2016</b> , 364, 428-433	6.7	20
67	Eu <sup>3+</sup> @PMO: synthesis, characterization and luminescence properties. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 2909-2917	7.1	25
66	Evaluation of different bridged organosilicas as efficient adsorbents for the herbicide S-metolachlor. <i>RSC Advances</i> , <b>2015</b> , 5, 24158-24166	3.7	4
65	Transformation of 1-hexene on Pt supported ZSM-5 zeolite modified with tin, copper or chromium. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2015</b> , 116, 285-297	1.6	3
64	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> , <b>2015</b> , 151, 16-21	4.4	21
63	A One-step Sulfonic acid PMO as a recyclable acid catalyst. <i>Journal of Catalysis</i> , <b>2015</b> , 326, 139-148	7.3	31
62	Recent Developments in Phytosterol Recovery from Oil Deodorizer Distillates. <i>Current Nutrition and Food Science</i> , <b>2015</b> , 11, 4-10	0.7	3
61	Vibrational spectroscopic study of sol-gel layered double hydroxides containing different tri- and tetravalent cations. <i>Journal of Sol-Gel Science and Technology</i> , <b>2015</b> , 76, 614-620	2.3	5
60	Characterization of macadamia and pecan oils and detection of mixtures with other edible seed oils by Raman spectroscopy. <i>Grasas Y Aceites</i> , <b>2015</b> , 66, e094	1.3	2
59	Delaminated layered double hydroxides as catalysts for the Meerwein-Ponndorf-Verley reaction. <i>Applied Catalysis A: General</i> , <b>2014</b> , 470, 311-317	5.1	24
58	Evaluation of phenylene-bridged periodic mesoporous organosilica as a stationary phase for solid phase extraction. <i>Journal of Chromatography A</i> , <b>2014</b> , 1370, 25-32	4.5	20
57	Hydrotalcite-supported palladium nanoparticles as catalysts for the Suzuki reaction of aryl halides in water. <i>Applied Catalysis A: General</i> , <b>2014</b> , 485, 196-201	5.1	25
56	Pyrrole PMOs, incorporating new N-heterocyclic compounds on an ethene-PMO through Diels-Alder reactions. <i>Materials Chemistry and Physics</i> , <b>2014</b> , 148, 403-410	4.4	7
55	Vulcanized Ethene-PMO: A New Strategy to Create Ultrastable Support Materials and Adsorbents. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 17862-17869	3.8	9

54	Raman spectroscopy study of edible oils and determination of the oxidative stability at frying temperatures. <i>European Journal of Lipid Science and Technology</i> , <b>2014</b> , 116, 1451-1456	3	33
53	Tin-containing hydrotalcite-like compounds as catalysts for the Meerwein-Bonndorff-Verley reaction. <i>Applied Catalysis A: General</i> , <b>2014</b> , 469, 367-372	5.1	29
52	TCE abatement with a plasma-catalytic combined system using MnO <sub>2</sub> as catalyst. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 156-157, 94-100	21.8	62
51	Raman spectroscopy study of layered-double hydroxides containing magnesium and trivalent metals. <i>Materials Letters</i> , <b>2014</b> , 120, 193-195	3.3	16
50	Periodic Mesoporous Organosilicas as Catalysts for Organic Reactions. <i>Current Organic Chemistry</i> , <b>2014</b> , 18, 1280-1295	1.7	11
49	Near- and mid-infrared spectroscopy of layered double hydroxides containing various di- and tri-valent metals. <i>Journal of Porous Materials</i> , <b>2013</b> , 20, 351-357	2.4	10
48	Preparation of Palladium-Supported Periodic Mesoporous Organosilicas and their Use as Catalysts in the Suzuki Cross-Coupling Reaction. <i>Materials</i> , <b>2013</b> , 6, 1554-1565	3.5	22
47	Synthesis and characterization of Pd(II) complexes of 2- and 3-thiophenecarbaldehyde immobilized on silica obtained from sepiolite. <i>Applied Organometallic Chemistry</i> , <b>2013</b> , 27, 542-545	3.1	3
46	Transition metal exchanged Zeolites: Characterization of the metal state and catalytic application in the methanol conversion to hydrocarbons. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 179, 30-39	5.3	31
45	Raman microspectroscopy of hydrotalcite-like compounds modified with sulphate and sulphonate organic anions. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1034, 38-42	3.4	24
44	Application of Sulfonic Acid Functionalised Hybrid Silicas Obtained by Oxidative Cleavage of Tetrasulfide Bridges as Catalysts in Esterification Reactions. <i>ChemCatChem</i> , <b>2013</b> , 5, 1002-1010	5.2	10
43	Adsorption of the herbicide S-Metolachlor on periodic mesoporous organosilicas. <i>Chemical Engineering Journal</i> , <b>2013</b> , 228, 205-213	14.7	23
42	Enhanced Concentration of Medium Strength Brønsted Acid Sites in Aluminium-Modified Zeolite. <i>Catalysis Letters</i> , <b>2012</b> , 142, 112-117	2.8	5
41	Metal-Exchanged Zeolites as Catalysts for the Conversion of Acetone to Hydrocarbons. <i>Materials</i> , <b>2012</b> , 5, 121-134	3.5	37
40	Recent Advances in the Heterogeneous Palladium-Catalysed Suzuki Cross-Coupling Reaction. <i>Current Organic Chemistry</i> , <b>2012</b> , 16, 1128-1150	1.7	59
39	Formation and functionalization of surface Diels-Alder adducts on ethenylene-bridged periodic mesoporous organosilica. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 10990		33
38	Thermal behaviour, sulfonation and catalytic activity of phenylene-bridged periodic mesoporous organosilicas. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 724-733		34
37	Near- and mid-infrared spectroscopy study of synthetic hydrocalumites. <i>Solid State Sciences</i> , <b>2011</b> , 13, 101-105	3.4	19

36	Comparison of the thermal and hydrothermal stabilities of ethylene, ethylidene, phenylene and biphenylene bridged periodic mesoporous organosilicas. <i>Materials Letters</i> , <b>2011</b> , 65, 1460-1462	3-3	21
35	Selectivity Control in a Microwave Surface-Wave Plasma Reactor for Hydrocarbon Conversion. <i>Plasma Processes and Polymers</i> , <b>2011</b> , 8, 709-717	3-4	9
34	Local environment and acidity in alkaline and alkaline-earth exchanged Zeolite: Structural analysis and catalytic properties. <i>Microporous and Mesoporous Materials</i> , <b>2011</b> , 142, 672-679	5-3	29
33	Near-infrared spectroscopy of palladium-containing layered double hydroxides used as catalysts. <i>Journal of Physics and Chemistry of Solids</i> , <b>2011</b> , 72, 214-219	3-9	3
32	Study of organo-hybrid layered double hydroxides by medium and near infrared spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2011</b> , 78, 989-95	4-4	11
31	Formation of stable nanolayers of meixnerite via a combined delamination-ion exchange process. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 6562-6	1-3	4
30	Synthesis of (E)-nitroalkenes Catalysed by Ethanolamine Supported on Silica. <i>Catalysis Letters</i> , <b>2010</b> , 134, 131-137	2-8	6
29	Ca/Al Mixed Oxides as Catalysts for the Meerwein-Bonndorff-Verley Reaction. <i>Catalysis Letters</i> , <b>2010</b> , 136, 192-198	2-8	20
28	MIR and NIR spectroscopy of sol-gel hydrotalcites with various trivalent cations. <i>Journal of Sol-Gel Science and Technology</i> , <b>2010</b> , 55, 59-65	2-3	8
27	Sepiolite as environmental friendly and reusable catalyst for the selective synthesis of (E)-nitrostyrenes. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2010</b> , 99, 303	1-6	3
26	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> , <b>2010</b> , 272, 121-130	7-3	67
25	Isolation of sterols from sunflower oil deodorizer distillate. <i>Journal of Food Engineering</i> , <b>2010</b> , 101, 210-213	2-13	29
24	Study of the thermal decomposition of a sepiolite by mid- and near-infrared spectroscopies. <i>Polyhedron</i> , <b>2010</b> , 29, 3046-3051	2-7	24
23	Transformation of light paraffins in a microwave-induced plasma-based reactor at reduced pressure. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 4111-4122	6-7	25
22	Valorization of Olefins: Double bond shift and skeletal isomerization of 1-pentene and 1-hexene on zirconia-based catalysts. <i>Catalysis Today</i> , <b>2010</b> , 149, 275-280	5-3	19
21	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> , <b>2008</b> , 254, 12-26	7-3	53
20	Suzuki cross-coupling reaction of aryl and heterocyclic bromides and aromatic polybromides on a Pd(II)-hydrotalcite catalyst. <i>Applied Organometallic Chemistry</i> , <b>2008</b> , 22, 122-127	3-1	15
19	Suzuki cross-coupling reactions over Pd(II)-hydrotalcite catalysts in water. <i>Journal of Molecular Catalysis A</i> , <b>2008</b> , 285, 79-83		30

18	The Baeyer-Villiger reaction on heterogeneous catalysts. <i>Tetrahedron</i> , <b>2008</b> , 64, 2011-2026	2.4	88
17	Meerwein-Ponndorf-Verley reaction of acetophenones with 2-propanol over Mg/Al mixed oxide: The substituent effect. <i>Catalysis Communications</i> , <b>2007</b> , 8, 1036-1040	3.2	32
16	Heterogeneous Baeyer-Villiger oxidation of ketones with H <sub>2</sub> O <sub>2</sub> /nitrile, using Mg/Al hydrotalcite as catalyst. <i>Tetrahedron</i> , <b>2007</b> , 63, 1435-1439	2.4	46
15	Transformation of blefins over Pt <sup>IV</sup> (M = Re, Sn, Ge) supported chlorinated alumina. <i>Fuel</i> , <b>2007</b> , 86, 1000-1007	7.1	10
14	Excited-state equilibration in a meso-/microporous material-hosted bichromophoric [Ruthenium (2,2'-bipyridine) <sub>3</sub> ] <sup>2+</sup> : Reversible energy transfer and photosensitized electron pumping. <i>Inorganica Chimica Acta</i> , <b>2007</b> , 360, 987-994	2.7	17
13	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> , <b>2007</b> , 99, 288-298	5.3	56
12	Environmentally friendly Baeyer-Villiger oxidation with H <sub>2</sub> O <sub>2</sub> /nitrile over Mg(OH) <sub>2</sub> and MgO. <i>Applied Catalysis B: Environmental</i> , <b>2007</b> , 72, 18-25	21.8	49
11	Metal hydroxides as catalysts for the Baeyer-Villiger oxidation of cyclohexanone with hydrogen peroxide. <i>Reaction Kinetics and Catalysis Letters</i> , <b>2007</b> , 90, 309-313		7
10	Heterogeneous Catalysis in the Meerwein-Ponndorf-Verley Reduction of Carbonyl Compounds. <i>Current Organic Chemistry</i> , <b>2007</b> , 11, 1113-1125	1.7	58
9	Reduction of heterocyclic carboxaldehydes via Meerwein-Ponndorf-Verley reaction. <i>Applied Catalysis A: General</i> , <b>2006</b> , 303, 23-28	5.1	27
8	Reduction of ketones and aldehydes to alcohols with magnesium-aluminium mixed oxide and 2-propanol. <i>Journal of Molecular Catalysis A</i> , <b>2006</b> , 246, 190-194		44
7	Suzuki cross-coupling reaction over a palladium-pyridine complex immobilized on hydrotalcite. <i>Catalysis Communications</i> , <b>2006</b> , 7, 1025-1028	3.2	24
6	Baeyer-Villiger oxidation of cyclohexanone with hydrogen peroxide/benzonitrile over hydrotalcites as catalysts. <i>Applied Catalysis A: General</i> , <b>2006</b> , 312, 86-94	5.1	52
5	Heterogeneous Suzuki cross-coupling reactions over palladium/hydrotalcite catalysts. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 302, 568-75	9.3	45
4	Suzuki cross-coupling reaction of fluorobenzene with heterogeneous palladium catalysts. <i>Journal of Fluorine Chemistry</i> , <b>2006</b> , 127, 443-445	2.1	27
3	Palladium supported on hydrotalcite as a catalyst for the Suzuki cross-coupling reaction. <i>Tetrahedron</i> , <b>2006</b> , 62, 2922-2926	2.4	34
2	Hydrotalcites as catalysts for the Baeyer-Villiger oxidation of cyclic ketones with hydrogen peroxide/benzonitrile. <i>Tetrahedron</i> , <b>2006</b> , 62, 11697-11703	2.4	36
1	Influence of acidity and pore geometry on the product distribution in the hydroisomerization of light paraffins on zeolites. <i>Applied Catalysis A: General</i> , <b>2005</b> , 288, 104-115	5.1	69

