CÃ©sar JimÃ©nez-SanchidriÃ¡n

List of Publications by Year
in descending order

92 papers	2,455 citations	147726 31 h-index	233338 45 g-index
99 all docs	99 docs citations	99 times ranked	3129 citing authors

#	Article	IF	Citations
1	Microwave atmospheric pressure plasma jets for wastewater treatment: Degradation of methylene blue as a model dye. Chemosphere, 2017, 180, 239-246.	4.2	116
2	The Baeyerâ€“Villiger reaction on heterogeneous catalysts. Tetrahedron, 2008, 64, 2011-2026.	1.0	110
3	Influence of the calcination temperature on the nano-structural properties, surface basicity, and catalytic behavior of alumina-supported lanthana samples. Journal of Catalysis, 2010, 272, 121-130.	3.1	81
4	TCE abatement with a plasma-catalytic combined system using MnO2 as catalyst. Applied Catalysis B: Environmental, 2014, 156-157, 94-100.	10.8	81
5	Influence of acidity and pore geometry on the product distribution in the hydroisomerization of light paraffins on zeolites. Applied Catalysis A: General, 2005, 288, 104-115.	2.2	78
6	Heterogeneous Catalysis in the Meerwein-Ponndorf-Verley Reduction of Carbonyl Compounds. Current Organic Chemistry, 2007, 11, 1113-1125.	0.9	67
7	Baeyerâ€“Villiger oxidation of cyclohexanone with hydrogen peroxide/benzonitrile over hydrotalcites as catalysts. Applied Catalysis A: General, 2006, 312, 86-94.	2.2	66
8	Recent Advances in the Heterogeneous Palladium-Catalysed Suzuki Cross-Coupling Reaction. Current Organic Chemistry, 2012, 16, 1128-1150.	0.9	66
9	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. Microporous and Mesoporous Materials, 2007, 99, 288-298.	2.2	64
10	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. Journal of Catalysis, 2008, 254, 12-26.	3.1	60
11	Environmentally friendly Baeyer-Villiger oxidation with H2O2/nitrile over Mg(OH)2 and MgO. Applied Catalysis B: Environmental, 2007, 72, 18-25.	10.8	56
12	Heterogeneous Baeyerâ€“Villiger oxidation of ketones with H2O2/nitrile, using Mg/Al hydrotalcite as catalyst. Tetrahedron, 2007, 63, 1435-1439.	1.0	54
13	Reduction of ketones and aldehydes to alcohols with magnesiumâ€“aluminium mixed oxide and 2-propanol. Journal of Molecular Catalysis A, 2006, 246, 190-194.	4.8	49
14	Raman spectroscopy study of edible oils and determination of the oxidative stability at frying temperatures. European Journal of Lipid Science and Technology, 2014, 116, 1451-1456.	1.0	49
15	Heterogeneous Suzuki cross-coupling reactions over palladium/hydrotalcite catalysts. Journal of Colloid and Interface Science, 2006, 302, 568-575.	5.0	48
16	Use of Raman spectroscopy for analyzing edible vegetable oils. Applied Spectroscopy Reviews, 2016, 51, 417-430.	3.4	48
17	Metal-Exchanged Î² Zeolites as Catalysts for the Conversion of Acetone to Hydrocarbons. Materials, 2012, 5, 121-134.	1.3	46
18	Hydrotalcites as catalysts for the Baeyerâ€“Villiger oxidation ofÂcyclic ketones with hydrogen peroxide/benzonitrile. Tetrahedron, 2006, 62, 11697-11703.	1.0	45

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19	Palladium supported on hydrotalcite as a catalyst for the Suzuki cross-coupling reaction. Tetrahedron, 2006, 62, 2922-2926.	1.0	39
20	Formation and functionalization of surface Dielsâ€“Alder adducts on ethenylene-bridged periodic mesoporous organosilica. Journal of Materials Chemistry, 2011, 21, 10990.	6.7	37
21	Etherification of glycerol with tert-butyl alcohol over sulfonated hybrid silicas. Applied Catalysis A: General, 2016, 526, 155-163.	2.2	37
22	Thermal behaviour, sulfonation and catalytic activity of phenylene-bridged periodic mesoporous organosilicas. Journal of Materials Chemistry, 2011, 21, 724-733.	6.7	36
23	Transition metal exchanged Î² zeolites: Characterization of the metal state and catalytic application in the methanol conversion to hydrocarbons. Microporous and Mesoporous Materials, 2013, 179, 30-39.	2.2	36
24	Coumarin Derivatives Solvent-Free Synthesis under Microwave Irradiation over Heterogeneous Solid Catalysts. Molecules, 2017, 22, 2072.	1.7	35
25	Meerweinâ€“Ponndorfâ€“Verley reaction of acetophenones with 2-propanol over MgAl mixed oxide: The substituent effect. Catalysis Communications, 2007, 8, 1036-1040.	1.6	33
26	A â€œone-stepâ€•sulfonic acid PMO as a recyclable acid catalyst. Journal of Catalysis, 2015, 326, 139-148.	3.1	33
27	Suzuki cross-coupling reactions over Pd(II)-hydrotalcite catalysts in water. Journal of Molecular Catalysis A, 2008, 285, 79-83.	4.8	32
28	Study of the thermal decomposition of a sepiolite by mid- and near-infrared spectroscopies. Polyhedron, 2010, 29, 3046-3051.	1.0	32
29	Local environment and acidity in alkaline and alkaline-earth exchanged Î² zeolite: Structural analysis and catalytic properties. Microporous and Mesoporous Materials, 2011, 142, 672-679.	2.2	32
30	Tin-containing hydrotalcite-like compounds as catalysts for the Meerweinâ€“Ponndorfâ€“Verley reaction. Applied Catalysis A: General, 2014, 469, 367-372.	2.2	32
31	Isolation of sterols from sunflower oil deodorizer distillate. Journal of Food Engineering, 2010, 101, 210-213.	2.7	31
32	Raman spectroscopy study of layered-double hydroxides containing magnesium and trivalent metals. Materials Letters, 2014, 120, 193-195.	1.3	31
33	Eu³⁺@PMO: synthesis, characterization and luminescence properties. Journal of Materials Chemistry C, 2015, 3, 2909-2917.	2.7	31
34	Reduction of heterocyclic carboxaldehydes via Meerweinâ€“Ponndorfâ€“Verley reaction. Applied Catalysis A: General, 2006, 303, 23-28.	2.2	30
35	Delaminated layered double hydroxides as catalysts for the Meerweinâ€“Ponndorfâ€“Verley reaction. Applied Catalysis A: General, 2014, 470, 311-317.	2.2	30
36	Adsorption of the herbicide S-Metolachlor on periodic mesoporous organosilicas. Chemical Engineering Journal, 2013, 228, 205-213.	6.6	29

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37	Suzuki cross-coupling reaction of fluorobenzene with heterogeneous palladium catalysts. Journal of Fluorine Chemistry, 2006, 127, 443-445.	0.9	28
38	Suzuki cross-coupling reaction over a palladiumâ€“pyridine complex immobilized on hydrotalcite. Catalysis Communications, 2006, 7, 1025-1028.	1.6	27
39	Transformation of light paraffins in a microwave-induced plasma-based reactor at reduced pressure. International Journal of Hydrogen Energy, 2010, 35, 4111-4122.	3.8	27
40	Comparison of the thermal and hydrothermal stabilities of ethylene, ethylidene, phenylene and biphenylene bridged periodic mesoporous organosilicas. Materials Letters, 2011, 65, 1460-1462.	1.3	26
41	Raman microspectroscopy of hydrotalcite-like compounds modified with sulphate and sulphonate organic anions. Journal of Molecular Structure, 2013, 1034, 38-42.	1.8	26
42	Use of Raman spectroscopy to assess the efficiency of MgAl mixed oxides in removing cyanide from aqueous solutions. Applied Surface Science, 2016, 364, 428-433.	3.1	26
43	Hydrotalcite-supported palladium nanoparticles as catalysts for the Suzuki reaction of aryl halides in water. Applied Catalysis A: General, 2014, 485, 196-201.	2.2	25
44	Raman microspectroscopic analysis of decorative pigments from the Roman villa of El Ruedo (Almedinilla, Spain). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 16-21.	2.0	24
45	Preparation of Palladium-Supported Periodic Mesoporous Organosilicas and their Use as Catalysts in the Suzuki Cross-Coupling Reaction. Materials, 2013, 6, 1554-1565.	1.3	22
46	Evaluation of phenylene-bridged periodic mesoporous organosilica as a stationary phase for solid phase extraction. Journal of Chromatography A, 2014, 1370, 25-32.	1.8	22
47	Identification by Raman microspectroscopy of pigments in seated statues found in the Torreparedones Roman archaeological site (Baena, Spain). Microchemical Journal, 2017, 130, 191-197.	2.3	22
48	Ca/Al Mixed Oxides as Catalysts for the Meerweinâ€“Ponndorfâ€“Verley Reaction. Catalysis Letters, 2010, 136, 192-198.	1.4	21
49	Valorization of Î±-olefins: Double bond shift and skeletal isomerization of 1-pentene and 1-hexene on zirconia-based catalysts. Catalysis Today, 2010, 149, 275-280.	2.2	20
50	Near- and mid-infrared spectroscopy study of synthetic hydrocalumites. Solid State Sciences, 2011, 13, 101-105.	1.5	20
51	Tailoring Bifunctional Periodic Mesoporous Organosilicas for Cooperative Catalysis. ACS Applied Nano Materials, 2020, 3, 2373-2382.	2.4	19
52	Excited-state equilibration in a meso-/microporous material-hosted bichromophoric [Ruthenium (2,2â€²-bipyridine)3]2+: Reversible energy transfer and photosensitized electron pumping. Inorganica Chimica Acta, 2007, 360, 987-994.	1.2	18
53	Suzuki crossâ€coupling reaction of aryl and heterocyclic bromides and aromatic polybromides on a Pd(II)â€hydrotalcite catalyst. Applied Organometallic Chemistry, 2008, 22, 122-127.	1.7	17
54	Use of Raman spectroscopy to assess nitrate uptake by calcined LDH phases. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 602, 125066.	2.3	17

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55	Spectroscopic analysis of corrosion products in a bronze cauldron from the Late Iberian Iron Age. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 205, 489-496.	2.0	14
56	Luminescent Grapheneâ€Based Materials via Europium Complexation on Dipyridylpyridazineâ€Functionalized Graphene Sheets. Chemistry - A European Journal, 2019, 25, 6823-6830.	1.7	14
57	Identification of pigments in the Annunciation sculptural group (Cordoba, Spain) by micro-Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 214, 139-145.	2.0	14
58	Micro-Raman analysis of mortars and wallpaintings in the Roman villa of Fuente Alamo (Puente Genil,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 15-23.	2.0	13
59	Transformation of Î±-olefins over Ptâ€“M (M=Re, Sn, Ge) supported chlorinated alumina. Fuel, 2007, 86, 1000-1007.	3.4	12
60	Study of organo-hybrid layered double hydroxides by medium and near infrared spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 989-995.	2.0	12
61	Use of Raman microspectroscopy to characterize wallpaintings in Cerro de las Cabezas and the Roman villa of Priego de Cordoba (Spain). Vibrational Spectroscopy, 2018, 96, 143-149.	1.2	12
62	Periodic Mesoporous Organosilicas as Catalysts for Organic Reactions. Current Organic Chemistry, 2014, 18, 1280-1295.	0.9	12
63	MIR and NIR spectroscopy of solâ€“gel hydrotalcites with various trivalent cations. Journal of Sol-Gel Science and Technology, 2010, 55, 59-65.	1.1	11
64	Near- and mid-infrared spectroscopy of layered double hydroxides containing various di- and tri-valent metals. Journal of Porous Materials, 2013, 20, 351-357.	1.3	11
65	Application of Sulfonic Acid Functionalised Hybrid Silicas Obtained by Oxidative Cleavage of Tetrasulfide Bridges as Catalysts in Esterification Reactions. ChemCatChem, 2013, 5, 1002-1010.	1.8	11
66	Pyrrole PMOs, incorporating new N-heterocyclic compounds on an ethene-PMO through Dielsâ€“Alder reactions. Materials Chemistry and Physics, 2014, 148, 403-410.	2.0	10
67	Vulcanized Ethene-PMO: A New Strategy to Create Ultrastable Support Materials and Adsorbents. Journal of Physical Chemistry C, 2014, 118, 17862-17869.	1.5	10
68	Microwave-assisted synthesis of hybrid organo-layered double hydroxides containing cholate and deoxycholate. Materials Chemistry and Physics, 2019, 225, 28-33.	2.0	10
69	Copper-complexed dipyridyl-pyridazine functionalized periodic mesoporous organosilica as a heterogeneous catalyst for styrene epoxidation. Dalton Transactions, 2022, 51, 4884-4897.	1.6	10
70	Selectivity Control in a Microwave Surfaceâ€Wave Plasma Reactor for Hydrocarbon Conversion. Plasma Processes and Polymers, 2011, 8, 709-717.	1.6	9
71	Metal hydroxides as catalysts for the Baeyer-Villiger oxidation of cyclohexanone with hydrogen peroxide. Reaction Kinetics and Catalysis Letters, 2007, 90, 309-313.	0.6	8
72	Vibrational spectroscopic study of solâ€“gel layered double hydroxides containing different tri- and tetravalent cations. Journal of Sol-Gel Science and Technology, 2015, 76, 614-620.	1.1	8

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73	Synthesis of (E)-nitroalkenes Catalysed by Ethanolamine Supported on Silica. Catalysis Letters, 2010, 134, 131-137.	1.4	6
74	Enhanced Concentration of Medium Strength BrÃ¶nsted Acid Sites in Aluminium-Modified Î² Zeolite. Catalysis Letters, 2012, 142, 112-117.	1.4	6
75	Characterization of macadamia and pecan oils and detection of mixtures with other edible seed oils by Raman spectroscopy. Grasas Y Aceites, 2015, 66, e094.	0.3	6
76	Formation of Stable Nanolayers of Meixnerite via a Combined Delamination-Ion Exchange Process. Journal of Nanoscience and Nanotechnology, 2010, 10, 6562-6566.	0.9	5
77	Thiol-Functionalized Ethylene Periodic Mesoporous Organosilica as an Efficient Scavenger for Palladium: Confirming the Homogeneous Character of the Suzuki Reaction. Materials, 2020, 13, 623.	1.3	5
78	Microstructural analysis of 3D hierarchical composites of hydrotalcite-coated silica microspheres. Microporous and Mesoporous Materials, 2021, 323, 111247.	2.2	5
79	Evaluation of different bridged organosilicas as efficient adsorbents for the herbicide S-metolachlor. RSC Advances, 2015, 5, 24158-24166.	1.7	4
80	Hydroxyl-Decorated Diiron Complex as a [FeFe]-Hydrogenase Active Site Model Complex: Light-Driven Photocatalytic Activity and Heterogenization on Ethylene-Bridged Periodic Mesoporous Organosilica. Catalysts, 2022, 12, 254.	1.6	4
81	Sepiolite as environmental friendly and reusable catalyst for the selective synthesis of (E)-nitrostyrenes. Reaction Kinetics, Mechanisms and Catalysis, 2010, 99, 303.	0.8	3
82	Near-infrared spectroscopy of palladium-containing layered double hydroxides used as catalysts. Journal of Physics and Chemistry of Solids, 2011, 72, 214-219.	1.9	3
83	Synthesis and characterization of Pd(II) complexes of 2â€•and 3â€thiophenecarbaldehyde immobilized on silica obtained from sepiolite. Applied Organometallic Chemistry, 2013, 27, 542-545.	1.7	3
84	Recent Developments in Phytosterol Recovery from Oil Deodorizer Distillates. Current Nutrition and Food Science, 2015, 11, 4-10.	0.3	3
85	Transformation of 1-hexene on Pt supported ZSM-5 zeolite modified with tin, copper or chromium. Reaction Kinetics, Mechanisms and Catalysis, 2015, 116, 285-297.	0.8	3
86	Characterization of Wallpaintings from the Caliphal Baths of Cordoba (Spain) by X-Ray Diffraction and Raman Microspectroscopy. Analytical Letters, 2019, 52, 411-422.	1.0	3
87	Preparation of graphene-based nanomaterials by pulsed RF discharges on liquid organic compounds. Journal Physics D: Applied Physics, 2020, 53, 435202.	1.3	3
88	A multi-analytical study of funerary wall paintings in the Roman necropolis of Camino Viejo de AlmodÃ³var (CÃ³rdoba, Spain). European Physical Journal Plus, 2020, 135, 1.	1.2	2
89	Analysis of mortars from the castle keep in Priego de Cordoba (Spain). Vibrational Spectroscopy, 2021, 112, 103184.	1.2	2
90	Oleate Epoxidation in a Confined Matrix of Hydrotalcite. ACS Omega, 2020, 5, 619-625.	1.6	1

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91	Efficient Removal of Nonylphenol Isomers from Water by Use of Organo-Hydrotalcites. International Journal of Environmental Research and Public Health, 2022, 19, 7214.	1.2	0
92	Three-Dimensional Hierarchical Hydrotalciteâ€“Silica Sphere Composites as Catalysts for Baeyerâ€“Villiger Oxidation Reactions Using Hydrogen Peroxide. Catalysts, 2022, 12, 629.	1.6	0