Juan A. Melero

List of Publications by Year
in descending order

160 papers	10,304 citations	30047 54 h-index	36008 97 g-index
165 all docs	165 docs citations	165 times ranked	9911 citing authors

#	Article	IF	Citations
1	Synergistic thermophilic coâ€fermentation of food and lignocellulosic urban waste with steam explosion pretreatment for efficient hydrogen and carboxylic acidÂproduction. Biofuels, Bioproducts and Biorefining, 2022, 16, 499-509.	1.9	5
2	Self-condensation of levulinic acid into bio-jet fuel precursors over acid zeolites: Elucidating the role of nature, strength and density of acid sites. Applied Catalysis A: General, 2022, 631, 118480.	2.2	9
3	Application of a Fenton process for the pretreatment of an iron-containing oily sludge: A sustainable management for refinery wastes. Journal of Environmental Management, 2022, 304, 114244.	3.8	13
4	Techno-Economic Assessment of Conceptual Design for Gamma-Valerolactone Production over a Bifunctional Zrâ€“Alâ€“Beta Catalyst. Industrial & Engineering Chemistry Research, 2022, 61, 5547-5556.	1.8	4
5	Beta zeolite as an efficient catalyst for the synthesis of diphenolic acid (DPA) from renewable levulinic acid. Catalysis Today, 2022, , .	2.2	4
6	Unraveling PHA production from urban organic waste with purple phototrophic bacteria via organic overload. Renewable and Sustainable Energy Reviews, 2022, 166, 112687.	8.2	15
7	Understanding the role of Al/Zr ratio in Zr-Al-Beta zeolite: Towards the one-pot production of GVL from glucose. Catalysis Today, 2021, 367, 228-238.	2.2	24
8	Study of highly furfural-containing refinery wastewater streams using a conventional homogeneous Fenton process. Journal of Environmental Chemical Engineering, 2021, 9, 104894.	3.3	13
9	Assessment of Voltage Influence in Carbon Dioxide Fixation Process by a Photo-Bioelectrochemical System under Photoheterotrophy. Microorganisms, 2021, 9, 474.	1.6	7
10	Inhibition of the metabolism of mixed cultures of purple phototrophic bacteria by typical refinery and petrochemistry wastewater pollutants. Journal of Chemical Technology and Biotechnology, 2021, 96, 1893-1901.	1.6	1
11	Integrated sustainable process for polyhydroxyalkanoates production from lignocellulosic waste by purple phototrophic bacteria. GCB Bioenergy, 2021, 13, 862-875.	2.5	11
12	Sulfonic Mesostructured SBA-15 Silicas for the Solvent-Free Production of Bio-Jet Fuel Precursors via Aldol Dimerization of Levulinic Acid. ACS Sustainable Chemistry and Engineering, 2021, 9, 5952-5962.	3.2	11
13	Comprehensive characterization of an oily sludge from a petrol refinery: A step forward for its valorization within the circular economy strategy. Journal of Environmental Management, 2021, 285, 112124.	3.8	28
14	Up-scale challenges on biopolymer production from waste streams by Purple Phototrophic Bacteria mixed cultures: A critical review. Bioresource Technology, 2021, 327, 124820.	4.8	31
15	Defective UiO-66(Zr) as an efficient catalyst for the synthesis of bio jet-fuel precursors via aldol condensation of furfural and MIBK. Journal of Catalysis, 2021, 401, 27-39.	3.1	19
16	Glycerol valorization: conversion to lactic acid by heterogeneous catalysis and separation by ion exchange chromatography. Biofuels, Bioproducts and Biorefining, 2020, 14, 357-370.	1.9	25
17	Contamination of N-poor wastewater with emerging pollutants does not affect the performance of purple phototrophic bacteria and the subsequent resource recovery potential. Journal of Hazardous Materials, 2020, 385, 121617.	6.5	21
18	Life-cycle sustainability of biomass-derived sorbitol: Proposing technological alternatives for improving the environmental profile of a bio-refinery platform molecule. Journal of Cleaner Production, 2020, 250, 119568.	4.6	24

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19	Food waste valorization by purple phototrophic bacteria and anaerobic digestion after thermal hydrolysis. Biomass and Bioenergy, 2020, 142, 105803.	2.9	15
20	Temperature Effect on Pretreatment of the Activated Carbon Support (Pt/AC and Pd/AC) for Glycerin into Lactic Acid. Industrial & Engineering Chemistry Research, 2020, 59, 14643-14657.	1.8	13
21	Optimization of H2 Production through Minimization of CO2 Emissions by Mixed Cultures of Purple Phototrophic Bacteria in Aqueous Samples. Water (Switzerland), 2020, 12, 2015.	1.2	3
22	Alkalinity, and Not the Oxidation State of the Organic Substrate, Is the Key Factor in Domestic Wastewater Treatment by Mixed Cultures of Purple Phototrophic Bacteria. Resources, 2020, 9, 88.	1.6	5
23	Comparative Life Cycle Assessment of Glucose Production from Maize Starch and Woody Biomass Residues as a Feedstock. Applied Sciences (Switzerland), 2020, 10, 2946.	1.3	19
24	Sustainable Catalytic Conversion of Biomass for the Production of Biofuels and Bioproducts. Catalysts, 2020, 10, 581.	1.6	12
25	Production of Sorbitol via Catalytic Transfer Hydrogenation of Glucose. Applied Sciences (Switzerland), 2020, 10, 1843.	1.3	29
26	Stable Continuous Production of Î³-Valerolactone from Biomass-Derived Levulinic Acid over Zrâ€“Al-Beta Zeolite Catalyst. Catalysts, 2020, 10, 678.	1.6	23
27	Exploring the inhibition boundaries of mixed cultures of purple phototrophic bacteria for wastewater treatment in anaerobic conditions. Water Research, 2020, 183, 116057.	5.3	18
28	Ru-ZrO2-SBA-15 as efficient and robust catalyst for the aqueous phase hydrogenation of glucose to sorbitol. Molecular Catalysis, 2020, 484, 110802.	1.0	18
29	Novel approach for the treatment of the organic fraction of municipal solid waste: Coupling thermal hydrolysis with anaerobic digestion and photo-fermentation. Science of the Total Environment, 2020, 714, 136845.	3.9	22
30	From levulinic acid biorefineries to Î³-valerolactone (GVL) using a bi-functional Zr-Al-Beta catalyst. Reaction Chemistry and Engineering, 2019, 4, 1834-1843.	1.9	32
31	Transformation of Glucose into Sorbitol on Raney Nickel Catalysts in the Absence of Molecular Hydrogen: Sugar Disproportionation vs Catalytic Hydrogen Transfer. Topics in Catalysis, 2019, 62, 570-578.	1.3	25
32	Snâ€“Al-USY for the valorization of glucose to methyl lactate: switching from hydrolytic to retro-aldol activity by alkaline ion exchange. Green Chemistry, 2019, 21, 5876-5885.	4.6	24
33	Understanding the role of mediators in the efficiency of advanced oxidation processes using white-rot fungi. Chemical Engineering Journal, 2019, 359, 1427-1435.	6.6	37
34	Toxicity assessment of pharmaceutical compounds on mixed culture from activated sludge using respirometric technique: The role of microbial community structure. Science of the Total Environment, 2018, 630, 809-819.	3.9	70
35	Techno-economical assessment of coupling Fenton/biological processes for the treatment of a pharmaceutical wastewater. Journal of Environmental Chemical Engineering, 2018, 6, 485-494.	3.3	49
36	Progress in the design of zeolite catalysts for biomass conversion into biofuels and bio-based chemicals. Catalysis Reviews - Science and Engineering, 2018, 60, 1-70.	5.7	145

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37	Zr-USY zeolite: Efficient catalyst for the transformation of xylose into bio-products. Catalysis Today, 2018, 304, 80-88.	2.2	29
38	Exploring the effects of ZVI addition on resource recovery in the anaerobic digestion process. Chemical Engineering Journal, 2018, 335, 703-711.	6.6	56
39	Resource Recovery Potential From Lignocellulosic Feedstock Upon Lysis With Ionic Liquids. Frontiers in Bioengineering and Biotechnology, 2018, 6, 119.	2.0	20
40	Biological and Bioelectrochemical Systems for Hydrogen Production and Carbon Fixation Using Purple Phototrophic Bacteria. Frontiers in Energy Research, 2018, 6, .	1.2	36
41	Rational Optimization of Reaction Conditions for the One-Pot Transformation of Furfural to Î³-Valerolactone over Zrâ€“Al-Beta Zeolite: Toward the Efficient Utilization of Biomass. Industrial & Engineering Chemistry Research, 2018, 57, 11592-11599.	1.8	47
42	ZrO₂-SBA-15 catalysts for the one-pot cascade synthesis of GVL from furfural. Catalysis Science and Technology, 2018, 8, 4485-4493.	2.1	69
43	Efficient production of 5-ethoxymethylfurfural from fructose by sulfonic mesostructured silica using DMSO as co-solvent. Catalysis Today, 2017, 279, 305-316.	2.2	84
44	Catalytic upgrading of furfuryl alcohol to bio-products: Catalysts screening and kinetic analysis. Applied Catalysis A: General, 2017, 537, 74-82.	2.2	45
45	Isosorbide Production from Sorbitol over Heterogeneous Acid Catalysts: Screening and Kinetic Study. Topics in Catalysis, 2017, 60, 1027-1039.	1.3	14
46	Efficient Treatment of Synthetic Wastewater Contaminated with Emerging Pollutants by Anaerobic Purple Phototrophic Bacteria. Lecture Notes in Civil Engineering, 2017, , 324-330.	0.3	2
47	Efficient one-pot production of Î³-valerolactone from xylose over Zr-Al-Beta zeolite: rational optimization of catalyst synthesis and reaction conditions. Green Chemistry, 2017, 19, 5114-5121.	4.6	57
48	Dehydration of sorbitol to isosorbide in melted phase with propyl-sulfonic functionalized SBA-15: Influence of catalyst hydrophobization. Applied Catalysis A: General, 2017, 531, 151-160.	2.2	40
49	Low-cost Fe/SiO 2 catalysts for continuous Fenton processes. Catalysis Today, 2017, 280, 176-183.	2.2	31
50	Mo(VI) Complexes Immobilized on SBA-15 as an Efficient Catalyst for 1-Octene Epoxidation. Catalysts, 2017, 7, 215.	1.6	12
51	ZVI Addition in Continuous Anaerobic Digestion Systems Dramatically Decreases P Recovery Potential: Dynamic Modelling. Lecture Notes in Civil Engineering, 2017, , 211-217.	0.3	2
52	Dehydration of Xylose to Furfural in Alcohol Media in the Presence of Solid Acid Catalysts. ChemCatChem, 2016, 8, 2089-2099.	1.8	44
53	Simple and efficient treatment of high-strength industrial waste water using commercial zero-valent iron. Chemical Papers, 2016, 70, .	1.0	7
54	Modeling the integrated heterogeneous catalytic fixed-bed reactor and rotating biological contactor system for the treatment of poorly biodegradable industrial agrochemical wastewater. Journal of Environmental Chemical Engineering, 2016, 4, 2313-2321.	3.3	6

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55	Wastewater sludges pretreated by different oxidation systems at mild conditions to promote the biogas formation in anaerobic processes. Environmental Science and Pollution Research, 2016, 23, 24393-24401.	2.7	14
56	One-pot cascade transformation of xylose into Î³-valerolactone (GVL) over bifunctional BrÃ¸nstedâ€“Lewis Zrâ€“Al-beta zeolite. Green Chemistry, 2016, 18, 5777-5781.	4.6	76
57	Biological removal of pharmaceutical compounds using white-rot fungi with concomitant FAME production of the residual biomass. Journal of Environmental Management, 2016, 180, 228-237.	3.8	58
58	Comparative life cycle assessment (LCA) study of heterogeneous and homogenous Fenton processes for the treatment of pharmaceutical wastewater. Journal of Cleaner Production, 2016, 124, 21-29.	4.6	85
59	Xylose Isomerization with Zeolites in a Twoâ€Step Alcoholâ€“Water Process. ChemSusChem, 2015, 8, 1088-1094.	3.6	36
60	Zr-SBA-15 Lewis Acid Catalyst: Activity in Meerwein Ponndorf Verley Reduction. Catalysts, 2015, 5, 1911-1927.	1.6	63
61	Hydrothermally Stable, Conformal, Sulfated Zirconia Monolayer Catalysts for Glucose Conversion to 5-HMF. ACS Catalysis, 2015, 5, 4345-4352.	5.5	137
62	Intensified-Fenton process for the treatment of phenol aqueous solutions. Water Science and Technology, 2015, 71, 359-365.	1.2	13
63	Zero valent iron (ZVI) mediated Fenton degradation of industrial wastewater: Treatment performance and characterization of final composites. Chemical Engineering Journal, 2015, 269, 298-305.	6.6	113
64	Municipal sewage sludge to biodiesel by simultaneous extraction and conversion of lipids. Energy Conversion and Management, 2015, 103, 111-118.	4.4	58
65	Acid-catalyzed production of biodiesel over arenesulfonic SBA-15: Insights into the role of water in the reaction network. Renewable Energy, 2015, 75, 425-432.	4.3	21
66	Extrusion of Fe₂O₃/SBA-15 mesoporous material for application as heterogeneous Fenton-like catalyst. AIMS Environmental Science, 2015, 2, 154-168.	0.7	9
67	Sulfonic acid heterogeneous catalysts for dehydration of C6-monosaccharides to 5-hydroxymethylfurfural in dimethyl sulfoxide. Chinese Journal of Catalysis, 2014, 35, 644-655.	6.9	34
68	Continuous production of biodiesel from low grade feedstock in presence of Zr-SBA-15: Catalyst performance and resistance against deactivation. Catalysis Today, 2014, 234, 174-181.	2.2	25
69	Chemical surface modifiedâ€activated carbon cloth for catalytic wet peroxide oxidation of phenol. Journal of Chemical Technology and Biotechnology, 2014, 89, 1182-1188.	1.6	21
70	Bifunctional SO₄/ZrO₂catalysts for 5-hydroxymethylfufural (5-HMF) production from glucose. Catalysis Science and Technology, 2014, 4, 333-342.	2.1	153
71	Tight control of cellulose depolymerization towards glucose in organic electrolyte solutions. Biomass and Bioenergy, 2014, 62, 158-165.	2.9	4
72	Treatment of an agrochemical wastewater by combined coagulation and Fenton oxidation. Journal of Chemical Technology and Biotechnology, 2014, 89, 1189-1196.	1.6	12

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73	Pharmaceutical wastewater degradation: effective and economical treatment using waste-metallic iron shavings. International Journal of Environmental Studies, 2014, 71, 200-208.	0.7	1
74	Conformal sulfated zirconia monolayer catalysts for the one-pot synthesis of ethyl levulinate from glucose. Chemical Communications, 2014, 50, 11742-11745.	2.2	88
75	New insights in the deactivation of sulfonic modified SBA-15 catalysts for biodiesel production from low-grade oleaginous feedstock. Applied Catalysis A: General, 2014, 488, 111-118.	2.2	17
76	Experimental and modeling study on removal of pharmaceutically active compounds in rotating biological contactors. Journal of Hazardous Materials, 2014, 274, 473-482.	6.5	37
77	Production of biodiesel from waste cooking oil in a continuous packed bed reactor with an agglomerated Zr-SBA-15/bentonite catalyst. Applied Catalysis B: Environmental, 2014, 145, 197-204.	10.8	53
78	Efficient conversion of levulinic acid into alkyl levulinates catalyzed by sulfonic mesostructured silicas. Applied Catalysis A: General, 2013, 466, 116-122.	2.2	132
79	Efficient Isomerization of Glucose to Fructose over Zeolites in Consecutive Reactions in Alcohol and Aqueous Media. Journal of the American Chemical Society, 2013, 135, 5246-5249.	6.6	195
80	Coupling membrane separation and photocatalytic oxidation processes for the degradation of pharmaceutical pollutants. Water Research, 2013, 47, 5647-5658.	5.3	103
81	Treatment of an agrochemical wastewater by integration of heterogeneous catalytic wet hydrogen peroxide oxidation and rotating biological contactors. Chemical Engineering Journal, 2013, 226, 409-415.	6.6	36
82	Zrâ€Containing Hybrid Organicâ€“Inorganic Mesoporous Materials: Hydrophobic Acid Catalysts for Biodiesel Production.. ChemCatChem, 2013, 5, 994-1001.	1.8	40
83	Biological removal of pharmaceutical and personal care products by a mixed microbial culture: Sorption, desorption and biodegradation. Biochemical Engineering Journal, 2013, 81, 108-119.	1.8	58
84	Effective pharmaceutical wastewater degradation by Fenton oxidation with zero-valent iron. Applied Catalysis B: Environmental, 2013, 136-137, 64-69.	10.8	133
85	6 Conversion of cellulose and hemicellulose into platform molecules: chemical routes. , 2012, , 123-140.		5
86	Zr-SBA-15 acid catalyst: Optimization of the synthesis and reaction conditions for biodiesel production from low-grade oils and fats. Catalysis Today, 2012, 195, 44-53.	2.2	79
87	Immobilization of active and stable goethite coated-films by a dip-coating process and its application for photo-Fenton systems. Chemical Engineering Journal, 2012, 203, 212-222.	6.6	29
88	Biomass as renewable feedstock in standard refinery units. Feasibility, opportunities and challenges. Energy and Environmental Science, 2012, 5, 7393.	15.6	393
89	Influence of preoxidizing treatments on the preparation of ironâ€containing activated carbons for catalytic wet peroxide oxidation of phenol. Journal of Chemical Technology and Biotechnology, 2012, 87, 880-886.	1.6	21
90	Maximizing the Accessibility of Active Species in Weakly Acidic Zrâ€SBAâ€15 Materials. ChemCatChem, 2012, 4, 379-386.	1.8	16

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91	Enhancement of the advanced Fenton process (Fe0/H2O2) by ultrasound for the mineralization of phenol. Applied Catalysis B: Environmental, 2012, 113-114, 100-106.	10.8	99
92	Etherification of biodiesel-derived glycerol with ethanol for fuel formulation over sulfonic modified catalysts. Bioresource Technology, 2012, 103, 142-151.	4.8	119
93	Advances in biodiesel production. , 2012, , .		18
94	Sulfonic Acid-Functionalized Catalysts for the Valorization of Glycerol via Transesterification with Methyl Acetate. Industrial & Engineering Chemistry Research, 2011, 50, 5898-5906.	1.8	56
95	Low-grade oils and fats: Effect of several impurities on biodiesel production over sulfonic acid heterogeneous catalysts. Bioresource Technology, 2011, 102, 9571-9578.	4.8	43
96	Synthesis and characterisation of (hydroxypropyl)-2-aminomethyl pyridine containing hybrid polymerâ€“silica SBA-15 materials supporting Mo(vi) centres and their use as heterogeneous catalysts for oct-1-ene epoxidation. Journal of Materials Chemistry, 2011, 21, 6725.	6.7	15
97	Zr-SBA-15 as an efficient acid catalyst for FAME production from crude palm oil. Catalysis Today, 2011, 167, 46-55.	2.2	68
98	Acetalisation of bio-glycerol with acetone to produce solketal over sulfonic mesostructured silicas. Green Chemistry, 2010, 12, 899.	4.6	165
99	Biodiesel production from crude palm oil using sulfonic acid-modified mesostructured catalysts. Chemical Engineering Journal, 2010, 161, 323-331.	6.6	175
100	Highly Ti-loaded MCM-41: Effect of the metal precursor and loading on the titanium distribution and on the catalytic activity in different oxidation processes. Microporous and Mesoporous Materials, 2010, 132, 112-120.	2.2	27
101	Biodiesel Production Over Arenesulfonic Acid-Modified Mesostructured Catalysts: Optimization of Reaction Parameters Using Response Surface Methodology. Topics in Catalysis, 2010, 53, 795-804.	1.3	26
102	Heterogeneous photo-Fenton treatment for the reduction of pharmaceutical contamination in Madrid rivers and ecotoxicological evaluation by a miniaturized fern spores bioassay. Chemosphere, 2010, 80, 381-388.	4.2	64
103	Nanocrystalline ZSM-5: A catalyst with high activity and selectivity for epoxide rearrangement reactions. Journal of Molecular Catalysis A, 2010, 318, 68-74.	4.8	27
104	Storage stability and corrosion studies of renewable raw materials and petrol mixtures: A key issue for their co-processing in refinery units. Fuel, 2010, 89, 554-562.	3.4	20
105	Oxygenated compounds derived from glycerol for biodiesel formulation: Influence on EN 14214 quality parameters. Fuel, 2010, 89, 2011-2018.	3.4	144
106	Assessment of Fe2O3/SiO2 catalysts for the continuous treatment of phenol aqueous solutions in a fixed bed reactor. Catalysis Today, 2010, 149, 334-340.	2.2	81
107	Catalytic wet hydrogen peroxide oxidation of a petrochemical wastewater. Water Science and Technology, 2010, 61, 1829-1836.	1.2	11
108	Production of Biofuels via the Catalytic Cracking of Mixtures of Crude Vegetable Oils and Nonedible Animal Fats with Vacuum Gas Oil. Energy & Fuels, 2010, 24, 707-717.	2.5	132

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109	Synthesis of Snâ€“silicalite from hydrothermal conversion of SiO2â€“SnO2 xerogels. Microporous and Mesoporous Materials, 2009, 119, 176-185.	2.2	36
110	Integrated heterogeneous sonoâ€“photo Fenton processes for the degradation of phenolic aqueous solutions. Ultrasonics Sonochemistry, 2009, 16, 417-424.	3.8	110
111	Degradation of phenolic aqueous solutions by high frequency sono-Fenton systems (USâ€“Fe2O3/SBA-15â€“H2O2). Applied Catalysis B: Environmental, 2009, 90, 380-388.	10.8	121
112	Heterogeneous catalytic wet peroxide oxidation systems for the treatment of an industrial pharmaceutical wastewater. Water Research, 2009, 43, 4010-4018.	5.3	135
113	Heterogeneous acid catalysts for biodiesel production: current status and future challenges. Green Chemistry, 2009, 11, 1285.	4.6	463
114	Biodiesel Production with Heterogeneous Sulfonic Acid-Functionalized Mesostructured Catalysts. Energy & Fuels, 2009, 23, 539-547.	2.5	102
115	On the Sn(II) and Sn(IV) incorporation into the AFI-structured AlPO4-based framework: the first significantly acidic SnAPO-5. Journal of Materials Chemistry, 2009, 19, 6833.	6.7	27
116	Acid-catalyzed etherification of bio-glycerol and isobutylene over sulfonic mesostructured silicas. Applied Catalysis A: General, 2008, 346, 44-51.	2.2	178
117	Agglomeration of Ti-SBA-15 with clays for liquid phase olefin epoxidation in a continuous fixed bed reactor. Chemical Engineering Journal, 2008, 139, 631-641.	6.6	18
118	Heterogeneous photo-Fenton oxidation of benzoic acid in water: Effect of operating conditions, reaction by-products and coupling with biological treatment. Applied Catalysis B: Environmental, 2008, 85, 24-32.	10.8	108
119	Direct synthesis of organically modified Ti-SBA-15 materials. Journal of Molecular Catalysis A, 2008, 291, 75-84.	4.8	20
120	Aqueous-sensitive reaction sites in sulfonic acid-functionalized mesoporous silicas. Journal of Catalysis, 2008, 254, 205-217.	3.1	109
121	Catalytic Wet Peroxide Oxidation Process for the Continuous Treatment of Polluted Effluents on a Pilot Plant Scale. Journal of Advanced Oxidation Technologies, 2008, 11, .	0.5	3
122	Effect of Ultrasound on the Properties of Heterogeneous Catalysts for Sono-Fenton Oxidation Processes. Journal of Advanced Oxidation Technologies, 2008, 11, .	0.5	0
123	Synthesis of titanium containing periodic mesoporous organosilica. Studies in Surface Science and Catalysis, 2007, , 450-455.	1.5	3
124	Catalytic wet peroxidation of phenol in a fixed bed reactor. Water Science and Technology, 2007, 55, 75-81.	1.2	9
125	Nearly room-temperature crystallisation of Zn-doped AlPO4-based chabazite materials. Studies in Surface Science and Catalysis, 2007, , 499-505.	1.5	6
126	Photocatalytic promoted oxidation of phenolic mixtures: An insight into the operating and mechanistic aspects. Water Research, 2007, 41, 4672-4684.	5.3	35

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127	Acidic Mesoporous Silica for the Acetylation of Glycerol:Â Synthesis of Bioadditives to Petrol Fuel. Energy & Fuels, 2007, 21, 1782-1791.	2.5	246
128	Treatment of Phenolic Effluents by Catalytic Wet Hydrogen Peroxide Oxidation over Fe2O3/SBA-15 Extruded Catalyst in a Fixed-Bed Reactor. Industrial & Engineering Chemistry Research, 2007, 46, 4396-4405.	1.8	86
129	Synthesis and catalytic activity of organicâ€“inorganic hybrid Ti-SBA-15 materials. Journal of Materials Chemistry, 2007, 17, 377-385.	6.7	62
130	Synthesis, characterization and catalytic activity of highly dispersed Mo-SBA-15. Applied Catalysis A: General, 2007, 331, 84-94.	2.2	42
131	Nanocomposite Fe2O3/SBA-15: An efficient and stable catalyst for the catalytic wet peroxidation of phenolic aqueous solutions. Chemical Engineering Journal, 2007, 131, 245-256.	6.6	126
132	Effect of the Al-MCM-41 properties on the catalytic liquid phase rearrangement of 1,2-epoxyoctane. Applied Catalysis A: General, 2007, 319, 171-180.	2.2	14
133	Iron species incorporated over different silica supports for the heterogeneous photo-Fenton oxidation of phenol. Applied Catalysis B: Environmental, 2007, 70, 452-460.	10.8	114
134	Advances in the Synthesis and Catalytic Applications of Organosulfonic-Functionalized Mesostructured Materials. Chemical Reviews, 2006, 106, 3790-3812.	23.0	443
135	Nanocomposite of crystalline Fe2O3 and CuO particles and mesostructured SBA-15 silica as an active catalyst for wet peroxide oxidation processes. Catalysis Communications, 2006, 7, 478-483.	1.6	59
136	Etherification of benzyl alcohols with 1-hexanol over organosulfonic acid mesostructured materials. Journal of Molecular Catalysis A, 2006, 256, 29-36.	4.8	50
137	Mineralization of phenol by a heterogeneous ultrasound/Fe-SBA-15/H2O2 process: Multivariate study by factorial design of experiments. Applied Catalysis B: Environmental, 2006, 66, 198-207.	10.8	102
138	Direct synthesis of titanium-substituted mesostructured materials using non-ionic surfactants and titanocene dichloride. Microporous and Mesoporous Materials, 2005, 86, 364-373.	2.2	54
139	Liquid-phase isophorone oxide rearrangement over mesoporous Al-MCM-41 materials. Journal of Catalysis, 2005, 236, 122-128.	3.1	12
140	Heterogeneous photo-Fenton degradation of phenolic aqueous solutions over iron-containing SBA-15 catalyst. Applied Catalysis B: Environmental, 2005, 60, 181-190.	10.8	151
141	Fries rearrangement of phenyl acetate over sulfonic modified mesostructured SBA-15 materials. Applied Catalysis A: General, 2005, 289, 143-152.	2.2	41
142	Activity and resistance of iron-containing amorphous, zeolitic and mesostructured materials for wet peroxide oxidation of phenol. Water Research, 2005, 39, 1741-1750.	5.3	82
143	Catalytic wet peroxide oxidation of phenolic solutions over a LaTi1âˆ'xCuxO3 perovskite catalyst. Applied Catalysis B: Environmental, 2004, 47, 281-294.	10.8	76
144	Crystallization mechanism of Fe-MFI from wetness impregnated Fe2O3â€“SiO2 amorphous xerogels: Role of iron species in Fenton-like processes. Microporous and Mesoporous Materials, 2004, 74, 11-21.	2.2	45

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145	Effect of the solvent in the liquid phase rearrangement of 1,2-epoxyoctane over Al-MCM-41 and Al-TS-1 catalysts. Journal of Molecular Catalysis A, 2004, 222, 167-174.	4.8	14
146	Liquid phase rearrangement of long straight-chain epoxides over amorphous, mesostructured and zeolitic catalysts. Applied Catalysis A: General, 2004, 269, 137-146.	2.2	18
147	Friedel Crafts acylation of aromatic compounds over arenesulfonic containing mesostructured SBA-15 materials. Catalysis Communications, 2004, 5, 131-136.	1.6	61
148	Supercritical Fluid Extraction of a Nonionic Surfactant Template from SBA-15 Materials and Consequences on the Porous Structure. Langmuir, 2003, 19, 3966-3973.	1.6	146
149	Mechanism of CIT-6 and VPI-8 Crystallization from Zincosilicate Gels. Chemistry - A European Journal, 2002, 8, 5153-5160.	1.7	15
150	Preparation of titanium molecular species supported on mesostructured silica by different grafting methods. Journal of Molecular Catalysis A, 2002, 182-183, 215-225.	4.8	48
151	Direct syntheses of ordered SBA-15 mesoporous materials containing arenesulfonic acid groups. Journal of Materials Chemistry, 2002, 12, 1664-1670.	6.7	311
152	Crystallization mechanism of Al-TS-1 synthesised from amorphous wetness-impregnated Al2O3â€“TiO2â€“SiO2 xerogels: role of aluminium species. Journal of Materials Chemistry, 2001, 11, 1519-1525.	6.7	13
153	Wet Peroxide Oxidation of Phenolic Solutions over Different Iron-Containing Zeolitic Materials. Industrial & Engineering Chemistry Research, 2001, 40, 3921-3928.	1.8	64
154	Anomalous crystallization mechanism in the synthesis of nanocrystalline ZSM-5. Microporous and Mesoporous Materials, 2000, 39, 135-147.	2.2	263
155	Direct Syntheses of Ordered SBA-15 Mesoporous Silica Containing Sulfonic Acid Groups. Chemistry of Materials, 2000, 12, 2448-2459.	3.2	912
156	Crystallization mechanism of Alâ€“Ti-beta zeolite synthesized from amorphous wetness impregnated xerogels. Journal of Materials Chemistry, 1999, 9, 2899-2905.	6.7	13
157	Synthesis of MTBE from Isobutane Using a Single Catalytic System Based on Titanium-Containing ZSM-5:Â Influence of Reaction Parameters. Industrial & Engineering Chemistry Research, 1998, 37, 4215-4221.	1.8	4
158	Study on the Ti and Al coincorporation into the MFI zeolitic structure. Journal of Materials Chemistry, 1998, 8, 2269-2276.	6.7	20
159	Synthesis of MTBE from isobutane using a single catalytic system based on titanium-containing ZSM-5 zeolite. Chemical Communications, 1996, , 1145.	2.2	7
160	Bifunctional properties of Al-TS-1 synthesized by wetness impregnation of amorphous Al2O3-TiO2-SiO2 solids prepared by the sol-gel method. Catalysis Letters, 1996, 41, 69-78.	1.4	22