

Antonio J Lopez-Peinado

List of Publications by Year in descending order

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63
papers

2,772
citations

257429

24
h-index

175241

52
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63
all docs

63
docs citations

63
times ranked

3813
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of oxygen-containing groups in a series of graphite oxides: Physical and chemical characterization. <i>Carbon</i> , 1995, 33, 1585-1592.	10.3	984
2	Fenton-like oxidation of Orange II solutions using heterogeneous catalysts based on saponite clay. <i>Applied Catalysis B: Environmental</i> , 2007, 71, 44-56.	20.2	275
3	Study of chemical activation process of a lignocellulosic material with KOH by XPS and XRD. <i>Microporous and Mesoporous Materials</i> , 2003, 60, 173-181.	4.4	154
4	Oxidation of activated carbon by hydrogen peroxide. Study of surface functional groups by FT-i.r.. <i>Fuel</i> , 1994, 73, 387-395.	6.4	102
5	Last Decade of Research on Activated Carbons as Catalytic Support in Chemical Processes. <i>Catalysis Reviews - Science and Engineering</i> , 2010, 52, 325-380.	12.9	81
6	Ultrasound accelerated Claisen-Schmidt condensation: A green route to chalcones. <i>Applied Surface Science</i> , 2006, 252, 6071-6074.	6.1	63
7	Catalytic properties of alkali metal-modified oxide supports for the Knoevenagel condensation: Kinetic aspects. <i>Catalysis Today</i> , 2009, 142, 278-282.	4.4	61
8	Novel Basic Mesoporous Catalysts for the Friedländer Reaction from 2-Aminoaryl Ketones: Quinolinones versus Quinolines. <i>ChemCatChem</i> , 2009, 1, 241-243.	3.7	60
9	Study of heat-treated Spanish lignites. <i>Fuel</i> , 1985, 64, 666-673.	6.4	43
10	Amino-grafted metallosilicate MCM-41 materials as basic catalysts for eco-friendly processes. <i>Catalysis Today</i> , 2010, 152, 119-125.	4.4	42
11	Porosity and adsorption properties of an activated charcoal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 187-188, 167-175.	4.7	36
12	Mass and surface changes of activated carbon treated with nitric acid. Thermal behavior of the samples. <i>Thermochimica Acta</i> , 1997, 291, 109-115.	2.7	34
13	ZrO ₂ obtained by the sol-gel method: influence of synthesis parameters on physical and structural characteristics. <i>Journal of Materials Science</i> , 1994, 29, 3743-3748.	3.7	32
14	Sonocatalysis and alkaline-doped carbons: An efficient method for the synthesis of chalcones in heterogeneous media. <i>Catalysis Today</i> , 2005, 107-108, 500-506.	4.4	32
15	Gasification reaction of a lignite char catalysed by Cr, Mn, Fe, Co, Ni, Cu and Zn in dry and wet air. <i>Fuel</i> , 1985, 64, 1220-1223.	6.4	31
16	Characterization of basic sites of alkaline carbons by Knoevenagel condensation. <i>Carbon</i> , 1993, 31, 1231-1236.	10.3	31
17	Amino-grafted mesoporous materials based on MCF structure involved in the quinoline synthesis. Mechanistic insights. <i>Journal of Molecular Catalysis A</i> , 2013, 378, 38-46.	4.8	31
18	Quantitative heat effects associated with pyrolysis of coals, ranging from anthracite to lignite. <i>Fuel</i> , 1989, 68, 999-1004.	6.4	29

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19	Basic metal-free carbons catalysts prepared by sol-gel method. Carbon, 2004, 42, 1575-1582.	10.3	29
20	Oxidation of Activated Carbon in Liquid Phase. Study by FT-IR. Spectroscopy Letters, 1993, 26, 1117-1137.	1.0	27
21	Coumarins Preparation by Pechmann Reaction Under Ultrasound Irradiation. Synthesis of Hymecromone as Insecticide Intermediate. Catalysis Letters, 2009, 128, 318-322.	2.6	26
22	Zeolites Promoting Quinoline Synthesis via Friedländer Reaction. Topics in Catalysis, 2010, 53, 1430-1437.	2.8	26
23	New inorganic-organic hybrid materials based on SBA-15 molecular sieves involved in the quinolines synthesis. Catalysis Today, 2012, 187, 97-103.	4.4	26
24	Application of basic clays in microwave activated Michael additions: Preparation of N-substituted imidazoles. Journal of Molecular Catalysis A, 1997, 124, 115-121.	4.8	25
25	The possible use of alkali metal modified NbMCM-41 in the synthesis of 1,4-dihydropyridine intermediates. Catalysis Today, 2009, 142, 303-307.	4.4	25
26	Green Synthesis of Acetals/Ketals: Efficient Solvent-Free Process for the Carbonyl/Hydroxyl Group Protection Catalyzed by SBA-15 Materials. Topics in Catalysis, 2009, 52, 148-152.	2.8	24
27	Sonocatalysis in solvent-free conditions: An efficient eco-friendly methodology to prepare N-alkyl imidazoles using amino-grafted NbMCM-41. Catalysis Today, 2009, 142, 283-287.	4.4	24
28	Bifunctional mesoporous MCF materials as catalysts in the Friedländer condensation. Catalysis Today, 2013, 218-219, 70-75.	4.4	23
29	Highly Efficient and Selective Catalytic Synthesis of Quinolines Involving Transition-Metal-Doped Carbon Aerogels. ChemCatChem, 2017, 9, 1422-1428.	3.7	23
30	The striking behaviour of copper catalysing the gasification reaction of coal chars in dry air. Fuel, 1987, 66, 113-118.	6.4	21
31	Ultrasound-promoted N-propargylation of imidazole by alkaline-doped carbons. Carbon, 2004, 42, 1363-1366.	10.3	21
32	Porosity Inherent to Chemically Crosslinked Polymers. Poly(N-vinylimidazole) Hydrogels. Journal of Physical Chemistry B, 2008, 112, 2809-2817.	2.6	20
33	Microwave assisted N-propargylation of imidazole using alkaline promoted carbons. Applied Catalysis A: General, 2003, 240, 287-293.	4.3	17
34	Silica/C composites prepared by the sol-gel method. Influence of the synthesis parameters on textural characteristics. Microporous and Mesoporous Materials, 2004, 74, 111-119.	4.4	17
35	Imidazolium Sulfonates as Environmental-Friendly Catalytic Systems for the Synthesis of Biologically Active 2-Amino-4H-chromenes: Mechanistic Insights. Journal of Physical Chemistry B, 2015, 119, 12042-12049.	2.6	17
36	Eco-Friendly Catalytic Systems Based on Carbon-Supported Magnesium Oxide Materials for the Friedländer Condensation. ChemCatChem, 2014, 6, 3440-3447.	3.7	16

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37	Reactivity of Spanish coal chars in dry air. <i>Fuel</i> , 1987, 66, 237-241.	6.4	15
38	Microwave Assisted Green Synthesis of Long-chain 1-Alkylimidazoles and Medium-chain 1-alkyl-2-Methylimidazoles with Antiviral Properties Catalyzed by Basic Carbons. <i>Catalysis Letters</i> , 2009, 129, 281-286.	2.6	15
39	Experimental and theoretical study of pyrazole N-alkylation catalyzed by basic modified molecular sieves. <i>Chemical Engineering Journal</i> , 2010, 161, 377-383.	12.7	15
40	The effect of ultrasound on the N-alkylation of imidazole over alkaline carbons: Kinetic aspects. <i>Applied Catalysis A: General</i> , 2010, 378, 26-32.	4.3	14
41	Alkaline carbons as base catalysts: Alkylation of imidazole with alkyl halides. <i>Journal of Molecular Catalysis</i> , 1993, 85, 253-264.	1.2	13
42	Efficient isomerization of safrole by amino-grafted MCM-41 materials as basic catalysts. <i>Catalysis Today</i> , 2012, 179, 159-163.	4.4	13
43	Preparation of V/ZrO ₂ catalysts by the sol-gel method: Physical and structural characterization. <i>Journal of Materials Science</i> , 1996, 31, 437-444.	3.7	12
44	Vanadium pentoxide as catalyst in the air gasification of chars. <i>Fuel</i> , 1989, 68, 968-971.	6.4	11
45	Steam gasification of a lignite char catalysed by metals from chromium to zinc. <i>Fuel</i> , 1992, 71, 105-108.	6.4	11
46	Cobalt oxide-carbon nanocatalysts with highly enhanced catalytic performance for the green synthesis of nitrogen heterocycles through the Friedländer condensation. <i>Dalton Transactions</i> , 2019, 48, 5637-5648.	3.3	11
47	Stability towards heating and outgassing of activated carbon oxidized in the liquid phase. <i>Thermochimica Acta</i> , 1991, 176, 129-140.	2.7	10
48	Study and Characterisation of Activated Carbon Treated with H ₂ SO ₄ Solutions. <i>Journal of Chemical Technology and Biotechnology</i> , 1997, 68, 82-88.	3.2	10
49	Sonocatalysis and zeolites: An efficient route to prepare N-alkylimidazoles. <i>Applied Catalysis A: General</i> , 2008, 338, 130-135.	4.3	10
50	Basic-carbon nanocatalysts in the efficient synthesis of chromene derivatives. Valorization of both PET residues and mineral sources. <i>Chemical Engineering Journal</i> , 2020, 382, 122795.	12.7	10
51	Selective N-propargylation of imidazole under microwave irradiation using some magnesium oxides as catalysts. <i>Catalysis Letters</i> , 1994, 25, 385-392.	2.6	9
52	Thermogravimetric study of activated carbon oxidized with H ₂ O ₂ . <i>Thermochimica Acta</i> , 1995, 254, 249-260.	2.7	9
53	Synthesis and characterisation of xTiO ₂ ·(1-x)SiO ₂ -carbon composites. <i>Carbon</i> , 2003, 41, 79-86.	10.3	9
54	Surface and catalytic properties of acid metal-carbons prepared by the sol-gel method. <i>Applied Surface Science</i> , 2006, 252, 6075-6079.	6.1	9

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55	Regeneration of activated carbon after contact with sulfuric acid solution. Journal of Chemical Technology and Biotechnology, 2000, 75, 835-839.	3.2	7
56	Alkaline carbons as effective catalysts for the microwave-assisted synthesis of N-substituted-gamma-lactams. Applied Catalysis A: General, 2011, 398, 73-81.	4.3	7
57	Interaction of Molten Salts with a Semianthracite Char at 873 K. A Study by X-ray Diffraction. Energy & Fuels, 1998, 12, 289-297.	5.1	6
58	Interaction of molten salts with a semianthracite char at 743-1173 K. Effects on chemical composition, textural properties, and reactivity in air. Fuel Processing Technology, 2005, 87, 45-51.	7.2	4
59	Porous Catalytic Systems in the Synthesis of Bioactive Heterocycles and Related Compounds. , 2015, , 377-408.		4
60	Behaviour of Ag, Cu and Ag-Cu catalysts in the gasification reaction of a lignite char in air. Effect of SO2 on these catalysts. Fuel, 1986, 65, 1419-1422.	6.4	3
61	Green and fast procedure to obtain <i>N</i> -alkylbenzimidazole derivatives under microwave activation. Environmental Progress and Sustainable Energy, 2011, 30, 469-475.	2.3	3
62	Porous catalytic systems in the synthesis of bioactive heterocycles and related compounds. , 2021, , 97-164.		3
63	Gasification in dry air of coals extracted with tetrahydrofuran. Fuel Processing Technology, 1991, 27, 57-65.	7.2	1