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List of Publications by Year
in descending order

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74 papers	2,708 citations	218677 26 h-index	182427 51 g-index
74 all docs	74 docs citations	74 times ranked	3098 citing authors

#	Article	IF	Citations
1	Solid matter and soluble compounds collected from cigarette smoke and heated tobacco product aerosol using a laboratory designed puffing setup. Environmental Research, 2022, 206, 112619.	7.5	3
2	Chemical Activation of Lignocellulosic Precursors and Residues: What Else to Consider?. Molecules, 2022, 27, 1630.	3.8	19
3	Enhancement of the TiO2 photoactivity for propene oxidation by carbon incorporation using saccharose in hydrothermal synthesis. Journal of Environmental Chemical Engineering, 2021, 9, 104941.	6.7	6
4	TiO2 and TiO2-Carbon Hybrid Photocatalysts for Diuron Removal from Water. Catalysts, 2021, 11, 457.	3.5	5
5	Ru Catalysts Supported on Commercial and Biomass-Derived Activated Carbons for the Transformation of Levulinic Acid into Î³-Valerolactone under Mild Conditions. Catalysts, 2021, 11, 559.	3.5	9
6	Design of carbon supports for metal-catalyzed acetylene hydrochlorination. Nature Communications, 2021, 12, 4016.	12.8	35
7	Advantages of the Incorporation of Luffa-Based Activated Carbon to Titania for Improving the Removal of Methylene Blue from Aqueous Solution. Applied Sciences (Switzerland), 2021, 11, 7607.	2.5	4
8	Comparison of particulate matter emission and soluble matter collected from combustion cigarettes and heated tobacco products using a setup designed to simulate puffing regimes. Chemical Engineering Journal Advances, 2021, 8, 100144.	5.2	6
9	Heterogenization of a Chiral Molecular Catalyst on a Carbon Support using Tryptophan as Anchor Molecule. European Journal of Inorganic Chemistry, 2021, 2021, 223-225.	2.0	2
10	Impact of TiO2 Surface Defects on the Mechanism of Acetaldehyde Decomposition under Irradiation of a Fluorescent Lamp. Catalysts, 2021, 11, 1281.	3.5	5
11	Photocatalytic Oxidation of Propane Using Hydrothermally Prepared Anatase-Brookite-Rutile TiO2 Samples. An In Situ DRIFTS Study. Nanomaterials, 2020, 10, 1314.	4.1	8
12	Mesoporous Activated Carbon Supported Ru Catalysts to Efficiently Convert Cellulose into Sorbitol by Hydrolytic Hydrogenation. Energies, 2020, 13, 4394.	3.1	7
13	Unraveling Toluene Conversion during the Liquid Phase Hydrogenation of Cyclohexene (in Toluene) with Rh Hybrid Catalysts. Catalysts, 2019, 9, 973.	3.5	2
14	Cellulose hydrolysis catalysed by mesoporous activated carbons functionalized under mild conditions. SN Applied Sciences, 2019, 1, 1.	2.9	12
15	TiO2 Modification with Transition Metallic Species (Cr, Co, Ni, and Cu) for Photocatalytic Abatement of Acetic Acid in Liquid Phase and Propene in Gas Phase. Materials, 2019, 12, 40.	2.9	21
16	One step hydrothermal synthesis of TiO2 with variable HCl concentration: Detailed characterization and photocatalytic activity in propene oxidation. Applied Catalysis B: Environmental, 2018, 220, 645-653.	20.2	61
17	Effect of the Preparation Method (Sol-Gel or Hydrothermal) and Conditions on the TiO2 Properties and Activity for Propene Oxidation. Materials, 2018, 11, 2227.	2.9	40
18	Carbon-Black-Supported Ru Catalysts for the Valorization of Cellulose through Hydrolytic Hydrogenation. Catalysts, 2018, 8, 572.	3.5	19

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19	Significant porosity effects in carbon based SILP chiral catalysts. Molecular Catalysis, 2018, 453, 31-38.	2.0	4
20	Cu/TiO 2 photocatalysts for the conversion of acetic acid into biogas and hydrogen. Catalysis Today, 2017, 287, 78-84.	4.4	26
21	Enhancement of the hydrogenation activity of a Pd-tridecilamine (TDA) complex by confinement in carbon nanotubes. Microporous and Mesoporous Materials, 2016, 225, 378-384.	4.4	6
22	Support effects on SILP hybrid catalysts prepared with carbon materials and the RhCOD complex. RSC Advances, 2016, 6, 100976-100983.	3.6	5
23	New hybrid materials based on the grafting of Pd(<scp>ii</scp>)-amino complexes on the graphitic surface of AC: preparation, structures and catalytic properties. RSC Advances, 2016, 6, 58247-58259.	3.6	8
24	Structured carbons as supports for hydrogenation hybrid catalysts prepared by the immobilization of a Rh diamine complex. Chemical Engineering Journal, 2016, 291, 47-54.	12.7	10
25	Non-covalent immobilization of RhDuphos on carbon nanotubes and carbon xerogels. Applied Catalysis A: General, 2014, 478, 194-203.	4.3	7
26	Chiral rhodium complexes covalently anchored on carbon nanotubes for enantioselective hydrogenation. Dalton Transactions, 2014, 43, 7455.	3.3	37
27	Insight into the immobilization of ionic liquids on porous carbons. Carbon, 2014, 77, 947-957.	10.3	40
28	Heterogenization of Homogeneous Catalysts on Carbon Materials. , 2013, , 55-78.		13
29	Low metal content Co and Ni alumina supported catalysts for the CO2 reforming of methane. International Journal of Hydrogen Energy, 2013, 38, 2230-2239.	7.1	84
30	Support effects in a Rh diamine complex heterogenized on carbon materials. ChemCatChem, 2013, 5, 1587-1597.	3.7	10
31	Influence of Pt addition to Ni catalysts on the catalytic performance for long term dry reforming of methane. Applied Catalysis A: General, 2012, 435-436, 10-18.	4.3	71
32	Fundamentals of vapors adsorption onto activated carbon fibers assessed by the comparative analysis of N2 and CO2 adsorption. Separation and Purification Technology, 2012, 85, 83-89.	7.9	5
33	Ligand Tethering by Ion-Exchange for the Immobilization of Homogeneous Catalysts. Current Catalysis, 2012, 1, 100-106.	0.5	4
34	Effect of counteranion of ammonium salts on the synthesis of porous nanoparticles (NH4)3[PMo12O40]. Solid State Sciences, 2011, 13, 30-37.	3.2	9
35	K and Sr promoted Co alumina supported catalysts for the CO2 reforming of methane. Catalysis Today, 2011, 176, 187-190.	4.4	47
36	Immobilization of a Rh complex derived from the Wilkinson's catalyst on activated carbon and carbon nanotubes. Applied Catalysis A: General, 2011, 402, 132-138.	4.3	16

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37	Hybrid Rh catalysts prepared with carbon nanotubes of different inner diameter. Microporous and Mesoporous Materials, 2011, 139, 164-172.	4.4	17
38	Immobilization of homogeneous catalysts in nanostructured carbon xerogels. Studies in Surface Science and Catalysis, 2010, , 647-651.	1.5	6
39	Effects of compression on the textural properties of porous solids. Microporous and Mesoporous Materials, 2009, 126, 291-301.	4.4	37
40	Nickel catalyst activation in the carbon dioxide reforming of methane. Applied Catalysis A: General, 2009, 355, 27-32.	4.3	135
41	Ni, Co and bimetallic Niâ€“Co catalysts for the dry reforming of methane. Applied Catalysis A: General, 2009, 371, 54-59.	4.3	379
42	Hybrid Catalysts Based on Carbon Nanotubes and Nanofibres. Journal of Nanoscience and Nanotechnology, 2009, 9, 6034-6041.	0.9	14
43	Effects of confinement in hybrid diamine-Rh complex-carbon catalysts used for hydrogenation reactions. Microporous and Mesoporous Materials, 2008, 109, 305-316.	4.4	25
44	Upper limit of hydrogen adsorption on activated carbons at room temperature: A thermodynamic approach to understand the hydrogen adsorption on microporous carbons. Microporous and Mesoporous Materials, 2008, 112, 510-520.	4.4	18
45	State of Pt in Dried and Reduced PtIn and PtSn Catalysts Supported on Carbon. Journal of Physical Chemistry C, 2007, 111, 4710-4716.	3.1	30
46	Catalytic properties of a Rhâ€“diamine complex anchored on activated carbon: Effect of different surface oxygen groups. Applied Catalysis A: General, 2007, 331, 26-33.	4.3	48
47	Exploiting the surface â€“OH groups on activated carbons and carbon nanotubes for the immobilization of a Rh complex. Carbon, 2006, 44, 605-608.	10.3	20
48	Effect of potassium content in the activity of K-promoted Ni/Al2O3 catalysts for the dry reforming of methane. Applied Catalysis A: General, 2006, 301, 9-15.	4.3	208
49	Carbon-supported PtSn Catalysts: Characterization and Catalytic Properties. Journal of the Japan Petroleum Institute, 2004, 47, 164-178.	0.6	7
50	Rhodium-diphosphine complex bound to activated carbon. Journal of Molecular Catalysis A, 2004, 213, 177-182.	4.8	42
51	Ligand adsorption on different activated carbon materials for catalyst anchorage. Carbon, 2004, 42, 1357-1361.	10.3	15
52	Catalytic activity and characterization of Ni/Al2O3 and NiK/Al2O3 catalysts for CO2 methane reforming. Applied Catalysis A: General, 2004, 264, 169-174.	4.3	116
53	Activated-Carbon-Heterogenized [PdCl2(NH2(CH2)12CH3)2] for the Selective Hydrogenation of 1-Heptyne. Catalysis Letters, 2003, 87, 97-101.	2.6	18
54	A TEOM-MS study on the interaction of N2O with a hydrotalcite-derived multimetallic mixed oxide catalyst. Applied Catalysis A: General, 2002, 225, 87-100.	4.3	14

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55	[Rh(Î¼-Cl)(COD)] 2 supported on activated carbons for the hydroformylation of 1-octene: effects of support surface chemistry and solvent. Journal of Molecular Catalysis A, 2001, 170, 81-93.	4.8	23
56	Highly Active Catalyst from [PdCl2(NH2(CH2)12CH3)2] on NH4ZSM-5. Catalysis Letters, 2001, 76, 41-43.	2.6	6
57	Long-Chain-Amine Metal Complexes as Hydrogenation Catalysts. Heterogenisation on Activated Carbon. Catalysis Letters, 2001, 77, 41-46.	2.6	7
58	Effect of the support in Pt and PtSn catalysts used for selective hydrogenation of carvone. Catalysis Today, 2001, 66, 289-295.	4.4	30
59	Strategies for the heterogenization of rhodium complexes on activated carbon. Studies in Surface Science and Catalysis, 2000, 143, 295-304.	1.5	10
60	Comparison of hydrogen adsorption abilities of platinum-loaded carbon fibers prepared using two different methods. Carbon, 2000, 38, 778-780.	10.3	19
61	[PdCl2(NH2(CH2)12CH3)2] supported on an active carbon: effect of the carbon properties on the catalytic activity of cyclohexene hydrogenation. Journal of Molecular Catalysis A, 2000, 153, 243-256.	4.8	36
62	XAFS Study of Dried and Reduced PtSn/C Catalysts: Nature and Structure of the Catalytically Active Phase. Langmuir, 2000, 16, 1123-1131.	3.5	32
63	Characterization of Bimetallic PtSn Catalysts Supported on Purified and H2O2-Functionalized Carbons Used for Hydrogenation Reactions. Journal of Catalysis, 1999, 184, 514-525.	6.2	72
64	N2O decomposition on hydrotalcite based catalysts. A mechanistic approach. , 1999, , 343-348.		1
65	States of Pt in Pt/C catalyst precursors after impregnation, drying and reduction steps. Applied Catalysis A: General, 1998, 170, 93-103.	4.3	92
66	The effects of hydrogen on thermal desorption of oxygen surface complexes. Carbon, 1997, 35, 543-554.	10.3	81
67	Preparation of platinum loaded carbon fiber by using a polymer blend. Carbon, 1997, 35, 1676-1677.	10.3	17
68	Structure Sensitivity of CO2Hydrogenation Reaction Catalyzed by Pt/Carbon Catalysts. Langmuir, 1996, 12, 379-385.	3.5	20
69	Structural study of a phenolformaldehyde char. Carbon, 1996, 34, 719-727.	10.3	28
70	Selective porosity development by calcium-catalyzed carbon gasification. Carbon, 1996, 34, 869-878.	10.3	42
71	CO2 hydrogenation under pressure on catalysts Ptî—¸Ca/C. Applied Catalysis A: General, 1996, 134, 159-167.	4.3	16
72	Metal-support interaction in Pt/C catalysts. Influence of the support surface chemistry and the metal precursor. Carbon, 1995, 33, 3-13.	10.3	191

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73	Carbon dioxide hydrogenation catalyzed by alkaline earth- and platinum-based catalysts supported on carbon. Applied Catalysis A: General, 1994, 116, 187-204.	4.3	21
74	Tpd and TPR characterization of carbonaceous supports and Pt/C catalysts. Carbon, 1993, 31, 895-902.	10.3	149