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List of Publications by Year in descending order

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145 papers	5,289 citations	71102 41 h-index	106344 65 g-index
147 all docs	147 docs citations	147 times ranked	5987 citing authors

#	Article	IF	Citations
1	Multi-component adsorption study by using bone char: modelling and removal mechanisms. Environmental Technology (United Kingdom), 2022, 43, 789-804.	2.2	11
2	Ibuprofen incorporated into unmodified and modified mesoporous silica: From matrix synthesis to drug release. Microporous and Mesoporous Materials, 2021, 310, 110541.	4.4	10
3	Composite catalytic materials based on k-carrageenan and CaO used on the transesterification of soybean oil for the process of biodiesel obtention. Catalysis Today, 2021, 379, 96-104.	4.4	1
4	How Molecular Mobility, Physical State, and Drug Distribution Influence the Naproxen Release Profile from Different Mesoporous Silica Matrices. Molecular Pharmaceutics, 2021, 18, 898-914.	4.6	3
5	Study of the Potential of Water Treatment Sludges in the Removal of Emerging Pollutants. Molecules, 2021, 26, 1010.	3.8	11
6	Biomass Valorization to Produce Porous Carbons: Applications in CO2 Capture and Biogas Upgrading to Biomethaneâ€"A Mini-Review. Frontiers in Energy Research, 2021, 9, .	2.3	27
7	Nanoporous carbons prepared from argan nutshells as potential removal agents of diclofenac and paroxetine. Journal of Molecular Liquids, 2021, 326, 115368.	4.9	20
8	Highly efficient porous carbons for the removal of W(VI) oxyanion from wastewaters. Journal of Hazardous Materials, 2021, 412, 125201.	12.4	6
9	Glycerol conversion into biofuel additives by acetalization with pentanal over heteropolyacids immobilized on zeolites. Catalysis Today, 2020, 346, 76-80.	4.4	14
10	Porous carbons-derived from vegetal biomass in the synthesis of quinoxalines. Mechanistic insights. Catalysis Today, 2020, 354, 90-99.	4.4	13
11	Development of a model for an industrial acetylene hydrogenation reactor using plant data â€“ Part I. Chemical Engineering Journal, 2020, 379, 122390.	12.7	5
12	Acidic porous carbons involved in the green and selective synthesis of benzodiazepines. Catalysis Today, 2020, 357, 64-73.	4.4	13
13	Carbon-Based Materials for the Development of Highly Dispersed Metal Catalysts: Towards Highly Performant Catalysts for Fine Chemical Synthesis. Catalysts, 2020, 10, 1407.	3.5	24
14	Activation of co-pyrolysis chars from rice wastes to improve the removal of Cr3+ from simulated and real industrial wastewaters. Journal of Cleaner Production, 2020, 267, 121993.	9.3	20
15	Properties of Î¹-carrageenan aerogels prepared by using different dissolution media and its application as drug delivery systems. Materials Chemistry and Physics, 2020, 253, 123290.	4.0	41
16	Porous carbons derived from hydrothermally treated biogas digestate. Waste Management, 2020, 105, 170-179.	7.4	20
17	Assessment of potato peel and agro-forestry biochars supplementation on in vitro ruminal fermentation. PeerJ, 2020, 8, e9488.	2.0	2
18	Evaluation of the adsorption potential of biochars prepared from forest and agri-food wastes for the removal of fluoxetine. Bioresource Technology, 2019, 292, 121973.	9.6	44

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19	Biomethane production through anaerobic co-digestion with Maize Cob Waste based on a biorefinery concept: A review. Journal of Environmental Management, 2019, 249, 109351.	7.8	22
20	New and Advanced Porous Carbon Materials in Fine Chemical Synthesis. Emerging Precursors of Porous Carbons. Catalysts, 2019, 9, 133.	3.5	56
21	New adsorbents from maize cob wastes and anaerobic digestate for H2S removal from biogas. Waste Management, 2019, 94, 136-145.	7.4	41
22	Recovery of Cr(III) by using chars from the co-gasification of agriculture and forestry wastes. Environmental Science and Pollution Research, 2019, 26, 22723-22735.	5.3	7
23	Char from Spent Tire Rubber: A Potential Adsorbent of Remazol Yellow Dye. Journal of Carbon Research, 2019, 5, 76.	2.7	7
24	Maize cob waste pre-treatments to enhance biogas production through co-anaerobic digestion with OFMSW. Waste Management, 2018, 72, 193-205.	7.4	24
25	Recovery of phenolic compounds from multi-component solution by a synthesized activated carbon using resorcinol and formaldehyde. Water Science and Technology, 2018, 77, 456-466.	2.5	5
26	Enhanced Catalytic Properties of Carbon supported Zirconia and Sulfated Zirconia for the Green Synthesis of Benzodiazepines. ChemCatChem, 2018, 10, 5215-5223.	3.7	15
27	Highly active Cao catalysts from waste shells of egg, oyster and clam for biodiesel production. Applied Catalysis A: General, 2018, 567, 56-64.	4.3	50
28	Cr(III) removal from synthetic and industrial wastewaters by using co-gasification chars of rice waste streams. Bioresource Technology, 2018, 266, 139-150.	9.6	29
29	Porous carbon: A versatile material for catalysis. Catalysis Today, 2017, 285, 194-203.	4.4	94
30	Properties of chars from the gasification and pyrolysis of rice waste streams towards their valorisation as adsorbent materials. Waste Management, 2017, 65, 186-194.	7.4	32
31	Tungstophosphoric acid immobilised in SBA-15 as an efficient heterogeneous acid catalyst for the conversion of terpenes and free fatty acids. Microporous and Mesoporous Materials, 2017, 249, 16-24.	4.4	31
32	Stabilizing Unstable Amorphous Menthol through Inclusion in Mesoporous Silica Hosts. Molecular Pharmaceutics, 2017, 14, 3164-3177.	4.6	28
33	Photochemical insights of TiO2 decorated mesoporous SBA-15 materials and their influence on the photodegradation of organic contaminants. Microporous and Mesoporous Materials, 2017, 253, 203-214.	4.4	40
34	Study of the removal mechanism of aquatic emergent pollutants by new bio-based chars. Environmental Science and Pollution Research, 2017, 24, 22698-22708.	5.3	12
35	Adding value to gasification and co-pyrolysis chars as removal agents of Cr3+. Journal of Hazardous Materials, 2017, 321, 173-182.	12.4	25
36	Anaerobic digestion sludge compostingâ€"assessment of the star-up process. , 2017, , 81-86.		0

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37	Recovery of the polymer content of electrical cables for thermal and acoustic insulation. , 2017, , 365-370.		0
38	Coprocessing of Waste Plastic and Hydrocarbons over MFI (HZSM-5). International Journal of Chemical Kinetics, 2016, 48, 329-336.	1.6	5
39	Biodiesel production waste as promising biomass precursor of reusable activated carbons for caffeine removal. RSC Advances, 2016, 6, 45419-45427.	3.6	19
40	Accessing the Physical State and Molecular Mobility of Naproxen Confined to Nanoporous Silica Matrixes. Journal of Physical Chemistry C, 2016, 120, 14390-14401.	3.1	16
41	High efficacy on diclofenac removal by activated carbon produced from potato peel waste. International Journal of Environmental Science and Technology, 2016, 13, 1989-2000.	3.5	70
42	Biomass derived solid acids as effective hydrolysis catalysts. Journal of Molecular Catalysis A, 2016, 422, 248-257.	4.8	42
43	Enhanced clofibric acid removal by activated carbons: Water hardness as a key parameter. Chemical Engineering Journal, 2016, 286, 538-548.	12.7	23
44	Enhancing the biodiesel manufacturing process by use of glycerin to produce hyacinth fragrance. Clean Technologies and Environmental Policy, 2016, 18, 1551-1563.	4.1	5
45	The Kinetic Parameters Evaluation for the Adsorption Processes at â€œLiquidâ€“Solidâ€•Interface. , 2016, , 81-109.		3
46	Biocompatible locust bean gum mesoporous matrices prepared by ionic liquids and a scCO₂sustainable system. RSC Advances, 2015, 5, 107700-107706.	3.6	15
47	Silica and silica organically modified nanoparticles: Water dynamics in complex systems. Microporous and Mesoporous Materials, 2015, 217, 102-108.	4.4	10
48	Effect of solution pH and influence of water hardness on caffeine adsorption onto activated carbons. Canadian Journal of Chemical Engineering, 2015, 93, 68-77.	1.7	56
49	New method for the immobilization of nitroxyl radical on mesoporous silica. Microporous and Mesoporous Materials, 2015, 203, 63-72.	4.4	10
50	Some important catalytic challenges in the bioethanol integrated biorefinery. Catalysis Today, 2014, 234, 13-23.	4.4	38
51	Cattle fat valorisation through biofuel production by hydrogenation in supercritical carbon dioxide. RSC Advances, 2014, 4, 32081.	3.6	14
52	Methoxylation of Î±-pinene over mesoporous carbons and microporous carbons: A comparative study. Microporous and Mesoporous Materials, 2014, 199, 66-73.	4.4	21
53	Influence of Nanoscale Confinement on the Molecular Mobility of Ibuprofen. Journal of Physical Chemistry C, 2014, 118, 13857-13868.	3.1	49
54	WO₃ Nanoparticle-Based Conformable pH Sensor. ACS Applied Materials & Interfaces, 2014, 6, 12226-12234.	8.0	140

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55	Influence of activated carbons porous structure on iopamidol adsorption. Carbon, 2014, 77, 607-615.	10.3	25
56	Esterification of free fatty acids over chitosan with sulfonic acid groups. Chemical Engineering Journal, 2013, 230, 567-572.	12.7	56
57	Removal of lead (Pb2+) from aqueous medium by using chars from co-pyrolysis. Journal of Colloid and Interface Science, 2013, 409, 158-165.	9.4	42
58	Hybrid mesoporous silica grafted with photoisomerizable 2-hydroxychalcones. Microporous and Mesoporous Materials, 2013, 180, 40-47.	4.4	8
59	Acidâ€Activated Carbon Materials: Cheaper Alternative Catalysts for the Synthesis of Substituted Quinolines. ChemCatChem, 2013, 5, 3736-3742.	3.7	24
60	Detection of Two Glass Transitions on Triton X-100 under Confinement. Journal of Physical Chemistry C, 2013, 117, 21516-21528.	3.1	28
61	Photoinduced reactions occurring on activated carbons. A combined photooxidation and ESR study. Applied Catalysis A: General, 2013, 452, 1-8.	4.3	52
62	Alkoxylation of camphene over silica-occluded tungstophosphoric acid. Applied Catalysis A: General, 2013, 451, 36-42.	4.3	22
63	Intramolecular Hydroalkoxylation of Nonâ€Activated Cï£¾C Bonds Catalysed by Zeolites: An Experimental and Theoretical Study. ChemSusChem, 2013, 6, 1021-1030.	6.8	10
64	Effect of ionizing radiation on antioxidant compounds present in cork wastewater. Water Science and Technology, 2013, 67, 374-379.	2.5	10
65	Mesoporous carbon as an efficient catalyst for alcoholysis and aminolysis of epoxides. Applied Catalysis A: General, 2012, 439-440, 24-30.	4.3	28
66	DSM as a probe for the characterization of modified mesoporous silicas. Microporous and Mesoporous Materials, 2012, 161, 139-147.	4.4	3
67	SBA-15 with sulfonic acid groups as a Green Catalyst for the acetoxylation of Î±-pinene. Microporous and Mesoporous Materials, 2012, 163, 237-242.	4.4	17
68	Photochemical behaviour of activated carbons under UV irradiation. Carbon, 2012, 50, 249-258.	10.3	91
69	Activated carbon as a catalyst for the synthesis of N-alkylimidazoles and imidazolium ionic liquids. Catalysis Today, 2012, 187, 108-114.	4.4	32
70	Hydrolysis of sucrose over composite catalysts. Chemical Engineering Journal, 2012, 184, 347-351.	12.7	12
71	The effect of ZSM-5 zeolite acidity on the catalytic degradation of high-density polyethylene using simultaneous DSC/TG analysis. Applied Catalysis A: General, 2012, 413-414, 183-191.	4.3	74
72	Physico-chemical properties of chars obtained in the co-pyrolysis of waste mixtures. Journal of Hazardous Materials, 2012, 219-220, 196-202.	12.4	78

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73	Barrier properties of carrageenan/pectin biodegradable composite films. Procedia Food Science, 2011, 1, 240-245.	0.6	47
74	Amorphous Ibuprofen Confined in Nanostructured Silica Materials: A Dynamical Approach. Journal of Physical Chemistry C, 2011, 115, 4616-4623.	3.1	76
75	Acetylation of glycerol over heteropolyacids supported on activated carbon. Catalysis Communications, 2011, 12, 573-576.	3.3	157
76	Activated carbons from sisal waste by chemical activation with K2CO3: Kinetics of paracetamol and ibuprofen removal from aqueous solution. Bioresource Technology, 2011, 102, 8253-8260.	9.6	132
77	Valorization of glycerol into fuel additives over zeolites as catalysts. Chemical Engineering Journal, 2011, 178, 291-296.	12.7	99
78	Zeolites Efficiently Promote the Cyclization of Nonactivated Unsaturated Alcohols. Chemistry - A European Journal, 2010, 16, 12079-12082.	3.3	15
79	Esterification of free fatty acids to biodiesel over heteropolyacids immobilized on mesoporous silica. Applied Catalysis A: General, 2010, 390, 183-189.	4.3	81
80	Methoxylation of Î±-pinene over heteropolyacids immobilized in silica. Applied Catalysis A: General, 2010, 373, 140-146.	4.3	24
81	Catalytic degradation of low and high density polyethylenes using ethylene polymerization catalysts: Kinetic studies using simultaneous TG/DSC analysis. Applied Catalysis A: General, 2010, 374, 170-179.	4.3	21
82	Valorisation of glycerol by condensation with acetone over silica-included heteropolyacids. Applied Catalysis B: Environmental, 2010, 98, 94-99.	20.2	152
83	PVA embedded hydrotalcite membranes as basic catalysts for biodiesel synthesis by soybean oil methanolysis. Catalysis Today, 2010, 156, 191-197.	4.4	51
84	Experimental and theoretical study of pyrazole N-alkylation catalyzed by basic modified molecular sieves. Chemical Engineering Journal, 2010, 161, 377-383.	12.7	15
85	Removal of an analgesic using activated carbons prepared from urban and industrial residues. Chemical Engineering Journal, 2010, 163, 249-255.	12.7	157
86	Molecular mobility of nematic E7 confined to molecular sieves with a low filling degree. Journal of Chemical Physics, 2010, 132, 224508.	3.0	30
87	Methoxylation of Î±-pinene over poly(vinyl alcohol) containing sulfonic acid groups. Chemical Engineering Journal, 2009, 147, 302-306.	12.7	18
88	Using simultaneous DSC/TG to analyze the kinetics of polyethylene degradationâ€"catalytic cracking using HY and HZSM-5 zeolites. Reaction Kinetics, Mechanisms and Catalysis, 2009, 99, 5.	1.7	1
89	MCM-41 anchored manganese salen complexes as catalysts for limonene oxidation. Microporous and Mesoporous Materials, 2009, 120, 432-440.	4.4	38
90	Esterification of fatty acids to biodiesel over polymers with sulfonic acid groups. Applied Catalysis A: General, 2009, 359, 41-46.	4.3	82

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91	Glycerol acetylation over dodecatungstophosphoric acid immobilized into a silica matrix as catalyst. Applied Catalysis B: Environmental, 2009, 91, 416-422.	20.2	84
92	Hydrolysis of sucrose using sulfonated poly(vinyl alcohol) as catalyst. Bioresource Technology, 2009, 100, 4546-4550.	9.6	23
93	Esterification of glycerol with acetic acid over dodecamolybdophosphoric acid encaged in USY zeolite. Catalysis Communications, 2009, 10, 481-484.	3.3	127
94	Simultaneous removal of 3d transition metals from multi-component solutions by activated carbons from co-mingled wastes. Separation and Purification Technology, 2008, 60, 264-271.	7.9	14
95	N2O reduction by activated carbon over iron bimetallic catalysts. Catalysis Today, 2008, 133-135, 441-447.	4.4	14
96	Limonene hydrogenation in high-pressure CO2: Effect of hydrogen pressure. Journal of Supercritical Fluids, 2008, 45, 225-230.	3.2	35
97	Esterification of free fatty acids with methanol using heteropolyacids immobilized on silica. Catalysis Communications, 2008, 9, 1996-1999.	3.3	110
98	Acetoxylation of camphene catalysed by beta zeolite. Catalysis Communications, 2008, 9, 2205-2208.	3.3	11
99	Mesoporous silica containing sulfonic acid groups as catalysts for the alpha-pinene methoxylation. Studies in Surface Science and Catalysis, 2008, 174, 1319-1322.	1.5	12
100	Phase equilibrium-driven selective hydrogenation of limonene in high-pressure carbon dioxide. Green Chemistry, 2007, 9, 427-430.	9.0	49
101	Anchoring manganese acetylacetonate complex on MCM-41: Catalytic testing on limonene oxidation. Catalysis Communications, 2007, 8, 1366-1372.	3.3	27
102	A new and easy method for anchoring manganese salen on MCM-41. Catalysis Letters, 2007, 114, 192-197.	2.6	13
103	Solâ€“gel encapsulation: An efficient and versatile immobilization technique for cutinase in non-aqueous media. Journal of Biotechnology, 2006, 121, 23-33.	3.8	76
104	Ethylene Polymerization over Transition Metal Supported Catalysts. III. Vanadium. E-Polymers, 2006, 6, .	3.0	1
105	Transesterification of soybean oil over sulfonic acid functionalised polymeric membranes. Catalysis Today, 2006, 118, 166-171.	4.4	89
106	Limonene oxidation over V2O5/TiO2 catalysts. Catalysis Today, 2006, 118, 307-314.	4.4	55
107	Catalytic supports on the base of activated anthracites and synthetic carbons. Applied Surface Science, 2006, 252, 6084-6088.	6.1	4
108	The effect of surfactants on the porosity of carbon xerogels. Microporous and Mesoporous Materials, 2006, 92, 38-46.	4.4	56

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109	Modified anthracites as selective sorbents for platinum metals. Russian Journal of Applied Chemistry, 2006, 79, 727-732.	0.5	4
110	Aromatisation of 2-phenyl-1-pyrroline to 2-phenylpyrrole using activated carbon. Catalysis Letters, 2006, 111, 221-225.	2.6	10
111	Chromium adsorption in olive stone activated carbon. Adsorption, 2006, 12, 155-162.	3.0	14
112	Esterification of acetic acid by isoamylic alcohol over catalytic membranes of poly(vinyl alcohol) containing sulfonic acid groups. Applied Catalysis A: General, 2006, 311, 17-23.	4.3	70
113	Adsorption of a reactive dye on chemically modified activated carbonsâ€"Influence of pH. Journal of Colloid and Interface Science, 2006, 296, 480-489.	9.4	265
114	Bifunctional catalytic PVA composites for the one pot synthesis of camphor from camphene. Studies in Surface Science and Catalysis, 2006, , 673-680.	1.5	0
115	Oxidation of limonene over carbon anchored transition metal Schiff base complexes: Effect of the linking agent. Catalysis Today, 2005, 102-103, 67-77.	4.4	44
116	Hydration of Î±-pinene over molybdophosphoric acid immobilized in hydrophobically modified PVA membranes. Catalysis Today, 2005, 104, 296-304.	4.4	46
117	Sonocatalysis and alkaline-doped carbons: An efficient method for the synthesis of chalcones in heterogeneous media. Catalysis Today, 2005, 107-108, 500-506.	4.4	32
118	Composition of Higher Fullerenes Obtained by Laser Ablation of Carboniferous Materials. Technical Physics, 2005, 50, 1301.	0.7	1
119	N2O conversion using manganese binary mixtures supported on activated carbon. Applied Catalysis B: Environmental, 2005, 59, 181-186.	20.2	22
120	Optimization of the Conditions for the Cr (III) Adsorption on Activated Carbon. Adsorption, 2005, 11, 581-593.	3.0	13
121	Preparation and Catalytic Testing of Sulfonic Acid Functionalized Activated Carbons. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 1485-1486.	1.6	2
122	Biphasic hydrogenation of Î±-pinene in high-pressure carbon dioxide. Green Chemistry, 2005, 7, 726.	9.0	54
123	Properties of palladium catalysts on carbon supports prepared from chemically modified and activated anthracites. Reaction Kinetics and Catalysis Letters, 2004, 83, 361-367.	0.6	5
124	Intercalation as an approach to the activated carbon preparation from Ukrainian anthracites. Journal of Physics and Chemistry of Solids, 2004, 65, 127-132.	4.0	11
125	Kinetics and thermodynamics of the Cr(III) adsorption on the activated carbon from co-mingled wastes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 242, 151-158.	4.7	201
126	Plasma torch generation of carbon supported metal catalysts. Catalysis Today, 2004, 89, 237-244.	4.4	18

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127	NO conversion using binary vanadium mixtures supported on activated carbon. Applied Catalysis B: Environmental, 2003, 44, 227-235.	20.2	19
128	Oxidation of pinane over phthalocyanine complexes supported on activated carbon: Effect of the support surface treatment. Carbon, 2003, 41, 2793-2803.	10.3	25
129	Polymerisation of pinenes using vanadium oxide supported on activated carbon. Catalysis Today, 2003, 78, 197-201.	4.4	7
130	Adsorption of SO2 using vanadium and vanadiumâ€“copper supported on activated carbon. Catalysis Today, 2003, 78, 203-210.	4.4	37
131	The acid-catalysed reaction of Î±-pinene over molybdophosphoric acid immobilised in dense polymeric membranes. Catalysis Today, 2003, 82, 187-193.	4.4	54
132	Ethylene polymerization over transition-metal supported catalysts. II. Cr on zeolite, silica, and charcoal: Characterization and activity studies. Journal of Polymer Science Part A, 2003, 41, 3768-3780.	2.3	14
133	Plasma generation of supported metal catalysts. Applied Catalysis A: General, 2002, 237, 41-51.	4.3	27
134	The effect of Î±-terpineol on the hydration of Î±-pinene over zeolites dispersed in polymeric membranes. Catalysis Today, 2001, 67, 217-223.	4.4	43
135	Oxidation of pinane using transition metal acetylacetonate complexes immobilised on modified activated carbon. Applied Catalysis A: General, 2001, 207, 221-228.	4.3	36
136	Uncatalysed and catalysed CO2 reaction using metal catalysts and binary vanadium mixtures supported on activated carbon. Carbon, 2001, 39, 451-463.	10.3	19
137	Modelling of uncatalysed and barium catalysed NO reduction by activated carbon. Studies in Surface Science and Catalysis, 2000, 130, 1421-1426.	1.5	0
138	Microcalorimetric study of acid sites on ammonia- and acid-pretreated activated carbon. Carbon, 2000, 38, 691-700.	10.3	51
139	Vanadium as a catalyst for NO, N2O and CO2 reaction with activated carbon. Catalysis Today, 2000, 57, 305-312.	4.4	41
140	Hydration of Î±-pinene over zeolites and activated carbons dispersed in polymeric membranes. Catalysis Today, 2000, 56, 167-172.	4.4	53
141	Uncatalyzed and catalyzed NO and N2O reaction using various catalysts and binary barium mixtures supported on activated carbon. Catalysis Today, 1999, 54, 559-567.	4.4	29
142	Impact of Pretreatments on the Selectivity of Carbon for NOx Adsorption/Reduction. Energy & Fuels, 1999, 13, 903-906.	5.1	26
143	An Environmental Scanning Electron Microscopy Study of Activated Charcoal Gasification Catalyzed by MoO3 in Air and in Oxygen and by a Eutectic Alloy of MoO3 and V2O5 in Air. Energy & Fuels, 1998, 12, 554-562.	5.1	5
144	Uncatalysed and MoO3-catalysed carbon-oxygen reaction: A kinetic study. Journal of Catalysis, 1990, 126, 489-495.	6.2	24

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145	Study of CO2 gasification of activated carbon catalysed by molybdenum oxide and potassium carbonate. Fuel, 1986, 65, 1400-1403.	6.4	16