

M Makkee

List of Publications by Year in descending order

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94433

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76
all docs

76
docs citations

76
times ranked

3629
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced soot oxidation by lattice oxygen via La ³⁺ -doped CeO ₂ . Journal of Catalysis, 2005, 230, 237-248.	6.2	379
2	Catalysts for the oxidation of soot from diesel exhaust gases. I. An exploratory study. Applied Catalysis B: Environmental, 1996, 8, 57-78.	20.2	336
3	Potential rare earth modified CeO ₂ catalysts for soot oxidation. Applied Catalysis B: Environmental, 2007, 75, 189-200.	20.2	304
4	The mechanism of low-temperature CO oxidation with Au/Fe ₂ O ₃ catalysts: a combined Mössbauer, FT-IR, and TAP reactor study. Journal of Catalysis, 2005, 230, 52-65.	6.2	193
5	Realistic contact for soot with an oxidation catalyst for laboratory studies. Applied Catalysis B: Environmental, 2000, 28, 253-257.	20.2	178
6	Gasoline conversion: reactivity towards cracking with equilibrated FCC and ZSM-5 catalysts. Applied Catalysis A: General, 2002, 223, 85-102.	4.3	171
7	Active oxygen from CeO ₂ and its role in catalysed soot oxidation. Catalysis Letters, 2005, 99, 203-205.	2.6	140
8	Soot oxidation catalyzed by a Cu/K/Mo/Cl catalyst: evaluation of the chemistry and performance of the catalyst. Applied Catalysis B: Environmental, 1995, 6, 339-352.	20.2	131
9	High surface area silicon carbide as catalyst support characterization and stability. Applied Catalysis A: General, 1998, 167, 321-330.	4.3	125
10	Measuring diesel soot with a scanning mobility particle sizer and an electrical low-pressure impactor: performance assessment with a model for fractal-like agglomerates. Journal of Aerosol Science, 2004, 35, 633-655.	3.8	125
11	DRIFTS study of the water-gas shift reaction over Au/Fe ₂ O ₃ . Journal of Catalysis, 2006, 243, 171-182.	6.2	106
12	Potential rare-earth modified CeO ₂ catalysts for soot oxidation part II: Characterisation and catalytic activity with NO+O ₂ . Applied Catalysis B: Environmental, 2007, 75, 201-209.	20.2	106
13	Potential rare-earth modified CeO ₂ catalysts for soot oxidation. Applied Catalysis B: Environmental, 2007, 75, 210-220.	20.2	100
14	Efficient production of hydrogen from formic acid using a Covalent Triazine Framework supported molecular catalyst. ChemSusChem, 2015, 8, 809-812.	6.8	97
15	Molten salts as promising catalysts for oxidation of diesel soot: importance of experimental conditions in testing procedures. Applied Catalysis B: Environmental, 1999, 21, 35-49.	20.2	95
16	The influence of NO _x on the oxidation of metal activated diesel soot. Catalysis Today, 1999, 53, 623-630.	4.4	87
17	Title is missing!. Catalysis Letters, 2003, 86, 121-132.	2.6	83
18	Palladium black as model catalyst in the hydrogenolysis of CCl ₂ F ₂ (CFC-12) into CH ₂ F ₂ (HFC-32). Applied Catalysis A: General, 1997, 155, 59-73.	4.3	82

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19	On the mechanism of model diesel soot-O ₂ reaction catalysed by Pt-containing La ₃ +doped CeO ₂ A TAP study with isotopic O ₂ . Catalysis Today, 2007, 121, 237-245.	4.4	80
20	Preparation of Fe-ZSM-5 with enhanced activity and stability for SCR of NO _x . Catalysis Today, 2006, 114, 23-30.	4.4	73
21	Process for the selective hydrogenolysis of CCl ₂ F ₂ (CFC-12) into CH ₂ F ₂ (HFC-32). Catalysis Today, 1996, 27, 257-264.	4.4	66
22	Measurement and modeling of the transient adsorption, desorption and diffusion processes in microporous materials. Chemical Engineering Science, 1999, 54, 4423-4436.	3.8	65
23	Ceramic foam as a potential molten salt oxidation catalyst support in the removal of soot from diesel exhaust gas. Catalysis Today, 1999, 53, 613-621.	4.4	64
24	The effect of high-temperature pre-treatment and water on the low temperature CO oxidation with Au/Fe ₂ O ₃ catalysts. Catalysis Letters, 2005, 100, 39-47.	2.6	64
25	Optimal conditions in fluid catalytic cracking: A mechanistic approach. Applied Catalysis A: General, 2006, 297, 198-219.	4.3	61
26	Application of NO storage/release materials based on alkali-earth oxides supported on Al ₂ O ₃ for high-temperature diesel soot oxidation. Applied Catalysis B: Environmental, 2009, 88, 263-271.	20.2	61
27	The potential of supported molten salts in the removal of soot from diesel exhaust gas. Applied Catalysis B: Environmental, 1999, 21, 51-61.	20.2	60
28	Soot oxidation over NO _x storage catalysts: Activity and deactivation. Catalysis Today, 2006, 114, 48-56.	4.4	59
29	Catalyst development for the selective hydrogenolysis of CCl ₂ F ₂ (CFC-12) into CH ₂ F ₂ (HFC-32). Catalysis Today, 1997, 35, 163-170.	4.4	56
30	Aromatic gas oil cracking under realistic FCC conditions in a microriser reactor. Fuel, 2003, 82, 1559-1569.	6.4	56
31	Bridging the gap between macroscopic and NMR diffusivities. Chemical Engineering Science, 1997, 52, 3401-3404.	3.8	55
32	Restriction for the ELPI in diesel particulate measurements. Journal of Aerosol Science, 2001, 32, 1117-1130.	3.8	45
33	Heteropolyanions as Redox Components in Heterogeneous Wacker Oxidation Catalysts. Journal of Catalysis, 1995, 154, 175-186.	6.2	44
34	Oxygen exchange mechanism between isotopic CO ₂ and Pt/CeO ₂ . Applied Catalysis A: General, 2008, 342, 144-149.	4.3	44
35	Synthesis and thermal stability of Ni, Cu, Co, and Mo catalysts based on high surface area silicon carbide. Applied Catalysis A: General, 1999, 184, 127-141.	4.3	41
36	Coke formation in fluid catalytic cracking studied with the microriser. Catalysis Today, 1998, 46, 27-35.	4.4	40

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37	Molten Salts Are Promising Catalysts. How to Apply in Practice?. Topics in Catalysis, 2001, 16/17, 275-278.	2.8	39
38	Stability of catalytic foam diesel-soot filters based on CsO, MoO, and CsSO molten-salt catalysts. Applied Catalysis B: Environmental, 2003, 42, 337-347.	20.2	38
39	Dispersion and Holdup in Multiphase Packed Bed Microreactors. Chemical Engineering and Technology, 2008, 31, 1130-1139.	1.5	37
40	Applicability of supercritical water as a reaction medium for desulfurisation and demetallisation of gasoil. Fuel Processing Technology, 1999, 61, 265-277.	7.2	36
41	Preparation and Pretreatment Temperature Influence on Iron Species Distribution and N ₂ O Decomposition in Fe-ZSM-5. Catalysis Letters, 2006, 106, 183-193.	2.6	32
42	Potential rare-earth modified CeO ₂ catalysts for soot oxidation. Topics in Catalysis, 2007, 42-43, 221-228.	2.8	32
43	Fluid catalytic cracking (FCC): activity in the (milli)seconds range in an entrained flow reactor. Applied Catalysis A: General, 1999, 187, 3-12.	4.3	31
44	Coating of activated carbon with silicon carbide by chemical vapour deposition. Carbon, 1996, 34, 567-579.	10.3	29
45	Ultra Low Dosage of Platinum and Cerium Fuel Additives in Diesel Particulate Control. Topics in Catalysis, 2001, 16/17, 269-273.	2.8	29
46	Diesel Particulate Control. Application of an Activated Particulate Trap in Combination with Fuel Additives at an Ultra Low Dose Rate. , 0, , .		27
47	Development of a satisfactory palladium on activated carbon catalyst for the selective hydrogenolysis of CCl ₂ F ₂ (CFC-12) into CH ₂ F ₂ (HFC-32). Journal of Molecular Catalysis A, 1998, 134, 191-200.	4.8	26
48	Cracking behavior of organic sulfur compounds under realistic FCC conditions in a microriser reactor. Applied Catalysis A: General, 2003, 238, 223-238.	4.3	25
49	Process development for the selective hydrogenolysis of CCl ₂ F ₂ (CFC-12) into CH ₂ F ₂ (HFC-32). Studies in Surface Science and Catalysis, 1996, , 369-378.	1.5	24
50	Synthesis of high surface area silicon carbide by fluidized bed chemical vapour deposition. Applied Catalysis A: General, 1997, 162, 181-191.	4.3	24
51	Oil-soaked sintered impactors for the ELPI in diesel particulate measurements. Journal of Aerosol Science, 2003, 34, 635-640.	3.8	24
52	Mechanism of deactivation of Au/Fe ₂ O ₃ catalysts under water-gas shift conditions. Topics in Catalysis, 2007, 44, 209-221.	2.8	22
53	Performance of γ -alumina-supported Wacker catalysts in the oxidation of 1-butene. Applied Catalysis A: General, 1995, 131, 367-381.	4.3	19
54	Selective hydrogenolysis of CCl ₂ F ₂ into CH ₂ F ₂ over palladium on activated carbon. Catalysis Today, 2000, 59, 221-230.	4.4	18

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55	Short contact time experiments in a novel benchscale FCC riser reactor. Chemical Engineering Science, 1996, 51, 3039-3044.	3.8	16
56	Palladium salts of heteropolyanions as catalysts in heterogeneous Wacker oxidation of 1-butene. Journal of Molecular Catalysis A, 1996, 107, 247-253.	4.8	16
57	Nickel-Catalyzed Conversion of Activated Carbon Extrudates into High Surface Area Silicon Carbide by Reactive Chemical Vapour Deposition. Journal of Catalysis, 1997, 170, 311-324.	6.2	15
58	Base free transfer hydrogenation using a covalent triazine framework based catalyst. CrystEngComm, 2017, 19, 4166-4170.	2.6	15
59	Performance of activated carbon-supported noble metal catalysts in the hydrogenolysis of CCl ₃ F. Applied Catalysis B: Environmental, 2001, 29, 13-22.	20.2	14
60	Novel application of catalysis in the synthesis of catalysts. Catalysis Letters, 1995, 34, 285-291.	2.6	13
61	Pt/Ce-soot generated from fuel-borne catalysts: soot oxidation mechanism. Topics in Catalysis, 2007, 42-43, 229-236.	2.8	13
62	Supported liquid phase catalysts: A new approach for catalytic oxidation in diesel exhaust particulate emission control. Studies in Surface Science and Catalysis, 1998, , 667-674.	1.5	11
63	Coke formation in the oxidative dehydrogenation of ethylbenzene to styrene by TEOM. Catalysis Science and Technology, 2014, 4, 3879-3890.	4.1	11
64	Evaluation of Isothermal Chemical Vapor Infiltration with Langmuir-Hinshelwood Type Kinetics. Journal of the Electrochemical Society, 1994, 141, 282-290.	2.9	10
65	Bench-scale demonstration of an integrated deSoot/deNO system. Catalysis Today, 2002, 75, 459-464.	4.4	10
66	Catalytic oxidation of model soot by chlorine based catalysts. Studies in Surface Science and Catalysis, 1998, 116, 645-654.	1.5	8
67	Preparation of Ceria-Zeolite Catalysts by Different Techniques and Its Effect on Selective Catalytic Reduction of NO with NH ₃ at High Space Velocities. Topics in Catalysis, 2004, 30/31, 115-121.	2.8	7
68	NO _x Storage and High Temperature Soot Oxidation on Pt-Sr/ZrO ₂ Catalyst. Topics in Catalysis, 2009, 52, 2058-2062.	2.8	7
69	Development of a Bench-Scale Fluid Catalytic Cracking Microriser. ACS Symposium Series, 1996, , 322-339.	0.5	6
70	Development of a Kinetic Model for FCC valid from Ultra-Short Residence Times. Studies in Surface Science and Catalysis, 2001, , 167-185.	1.5	6
71	Title is missing!. Topics in Catalysis, 2001, 16/17, 285-290.	2.8	4
72	Improved soot oxidation by fuel additives and molten salt catalysts. Studies in Surface Science and Catalysis, 1998, , 621-623.	1.5	3

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73	Copper catalysis for particulate removal from diesel exhaust gas. Copper fuel additives in combination with copper coatings.. Studies in Surface Science and Catalysis, 1998, , 655-666.	1.5	1
74	How to achieve safe, high-quality clinical studies with non-Medicinal Investigational Products? A practical guideline by using intra-bronchial carbon nanoparticles as case study. Respiratory Research, 2016, 17, 102.	3.6	1
75	Bench-Scale Demonstration of an Integrated deSoot-deNOx System. , 2001, , .		0