

# Michiel Makkee

## List of Publications by Year in descending order

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docs citations

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times ranked

9477  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new dynamic N <sub>2</sub> O reduction system based on Rh/ceria-zirconia: from mechanistic insight towards a practical application. <i>Catalysis Science and Technology</i> , 2021, 11, 671-680.	4.1	2
2	Unveiling the Structure Sensitivity for Direct Conversion of Syngas to C <sub>2</sub> -Oxygenates with a Multicomponent-Promoted Rh Catalyst. <i>Catalysis Letters</i> , 2020, 150, 482-492.	2.6	3
3	Adverse effects of potassium on NO <sub>x</sub> reduction over Di-Air catalyst (Rh/La-Ce-Zr). <i>Applied Catalysis B: Environmental</i> , 2019, 259, 117895.	20.2	3
4	Tailoring the multiphase flow pattern of gas and liquid through micro-packed bed of pillars. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 838-851.	3.7	7
5	Membrane reactors for biodiesel production with strontium oxide as a heterogeneous catalyst. <i>Fuel Processing Technology</i> , 2019, 185, 1-7.	7.2	33
6	NO <sub>x</sub> reduction in the Di-Air system over noble metal promoted ceria. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 200-212.	20.2	19
7	Fundamental understanding of the Di-Air system (an alternative NO abatement technology). I: The difference in reductant pre-treatment of ceria. <i>Applied Catalysis B: Environmental</i> , 2018, 223, 125-133.	20.2	8
8	The influence of CO <sub>2</sub> on NO reduction into N <sub>2</sub> over reduced ceria-based catalyst. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 196-205.	20.2	20
9	An <i>in situ</i> reactivation study reveals the supreme stability of $\gamma$ -alumina for the oxidative dehydrogenation of ethylbenzene to styrene. <i>Catalysis Science and Technology</i> , 2018, 8, 3733-3736.	4.1	9
10	High-temperature Fischer-Tropsch synthesis over FeTi mixed oxide model catalysts: Tailoring activity and stability by varying the Ti/Fe ratio. <i>Applied Catalysis A: General</i> , 2017, 533, 38-48.	4.3	16
11	Syngas production from electrochemical reduction of CO <sub>2</sub> : current status and prospective implementation. <i>Green Chemistry</i> , 2017, 19, 2326-2346.	9.0	281
12	Oxygen Vacancies in Reduced Rh/ and Pt/Ceria for Highly Selective and Reactive Reduction of NO into N <sub>2</sub> in excess of O <sub>2</sub> . <i>ChemCatChem</i> , 2017, 9, 2935-2938.	3.7	20
13	Covalent organic frameworks as supports for a molecular Ni based ethylene oligomerization catalyst for the synthesis of long chain olefins. <i>Journal of Catalysis</i> , 2017, 345, 270-280.	6.2	60
14	Facile Method for the Preparation of Covalent Triazine Framework coated Monoliths as Catalyst Support: Applications in C <sub>1</sub> Catalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26060-26065.	8.0	41
15	Low-temperature atomic layer deposition delivers more active and stable Pt-based catalysts. <i>Nanoscale</i> , 2017, 9, 10802-10810.	5.6	19
16	Challenges in the Greener Production of Formates/Formic Acid, Methanol, and DME by Heterogeneously Catalyzed CO <sub>2</sub> -Hydrogenation Processes. <i>Chemical Reviews</i> , 2017, 117, 9804-9838.	47.7	1,058
17	Structural and elemental influence from various MOFs on the performance of Fe@C catalysts for Fischer-Tropsch synthesis. <i>Faraday Discussions</i> , 2017, 197, 225-242.	3.2	36
18	Reaction Mechanism Study of the Di-Air System and Selectivity and Reactivity of NO Reduction in Excess O <sub>2</sub> . <i>SAE International Journal of Engines</i> , 2017, 10, 1573-1579.	0.4	1

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19	Pulmonary challenge with carbon nanoparticles induces a dose-dependent increase in circulating leukocytes in healthy males. <i>BMC Pulmonary Medicine</i> , 2017, 17, 121.	2.0	5
20	Shaping Covalent Triazine Frameworks for the Hydrogenation of Carbon Dioxide to Formic Acid. <i>ChemCatChem</i> , 2016, 8, 2217-2221.	3.7	65
21	Next Generation Automotive DeNO <sub>x</sub> Catalysts: Ceria What Else?. <i>ChemCatChem</i> , 2016, 8, 102-105.	3.7	25
22	Elucidating the Nature of Fe Species during Pyrolysis of the Fe-BTC MOF into Highly Active and Stable Fischer-Tropsch Catalysts. <i>ACS Catalysis</i> , 2016, 6, 3236-3247.	11.2	176
23	Promotion or additive activity? The role of gold on zirconia supported iron oxide in high temperature water-gas shift. <i>Journal of Molecular Catalysis A</i> , 2016, 420, 115-123.	4.8	3
24	Shaping Covalent Triazine Framework for the Hydrogenation of Carbon Dioxide to Formic Acid. <i>ChemCatChem</i> , 2016, 8, 2173-2173.	3.7	1
25	Efficient Electrochemical Production of Syngas from CO <sub>2</sub> and H <sub>2</sub> O by using a Nanostructured Ag/g-C <sub>3</sub> N <sub>4</sub> Catalyst. <i>ChemElectroChem</i> , 2016, 3, 1497-1502.	3.4	46
26	Contact dynamics for a solid-solid reaction mediated by gas-phase oxygen: Study on the soot oxidation over ceria-based catalysts. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 96-107.	20.2	55
27	Fundamental Understanding of the Di-Air System: The Role of Ceria in NO <sub>x</sub> Abatement. <i>Topics in Catalysis</i> , 2016, 59, 854-860.	2.8	14
28	On the thermal stabilization of carbon-supported SiO <sub>2</sub> catalysts by phosphorus: Evaluation in the oxidative dehydrogenation of ethylbenzene to styrene and a comparison with relevant catalysts. <i>Applied Catalysis A: General</i> , 2016, 514, 173-181.	4.3	11
29	Catalyst testing in multiphase micro-packed-bed reactors; criterion for radial mass transport. <i>Catalysis Today</i> , 2016, 259, 354-359.	4.4	34
30	Revisiting the synthesis of Au/TiO <sub>2</sub> P25 catalyst and application in the low temperature water-gas shift under realistic conditions. <i>Catalysis Today</i> , 2015, 244, 19-28.	4.4	7
31	Synthesis of highly dispersed Pd nanoparticles supported on multi-walled carbon nanotubes and their excellent catalytic performance for oxidation of benzyl alcohol. <i>Catalysis Science and Technology</i> , 2015, 5, 4144-4153.	4.1	49
32	Metal organic framework-mediated synthesis of highly active and stable Fischer-Tropsch catalysts. <i>Nature Communications</i> , 2015, 6, 6451.	12.8	325
33	Effect of rhodium on the water-gas shift performance of Fe <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> and CeO <sub>2</sub> /ZrO <sub>2</sub> : Influence of rhodium precursor. <i>Catalysis Today</i> , 2015, 242, 168-177.	4.4	12
34	Kinetics of the high temperature water-gas shift over Fe <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> , Rh/ZrO <sub>2</sub> and Rh/Fe <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> . <i>Chemical Engineering Journal</i> , 2015, 263, 427-434.	12.7	15
35	Inhibition of a Gold-Based Catalyst in Benzyl Alcohol Oxidation: Understanding and Remediation. <i>Catalysts</i> , 2014, 4, 89-115.	3.5	40
36	Application of staged O <sub>2</sub> feeding in the oxidative dehydrogenation of ethylbenzene to styrene over Al <sub>2</sub> O <sub>3</sub> and P <sub>2</sub> O <sub>5</sub> /SiO <sub>2</sub> catalysts. <i>Applied Catalysis A: General</i> , 2014, 476, 204-214.	4.3	18

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37	Catalysis engineering of bifunctional solids for the one-step synthesis of liquid fuels from syngas: a review. <i>Catalysis Science and Technology</i> , 2014, 4, 893-907.	4.1	148
38	The role of rhodium in the mechanism of the water-gas shift over zirconia supported iron oxide. <i>Journal of Catalysis</i> , 2014, 313, 34-45.	6.2	30
39	Electronic Metal-Support Interactions in Single-Atom Catalysts. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3418-3421.	13.8	347
40	Sorbitol dehydration in a $ZnCl_2$ molten salt hydrate medium: molecular modeling. <i>Catalysis Science and Technology</i> , 2014, 4, 152-163.	4.1	16
41	Sulfur as a Selectivity Modifier in a Highly Active $Rh/Fe_2O_3/ZrO_2$ Catalyst for Water-gas Shift. <i>ChemCatChem</i> , 2014, 6, 2240-2243.	3.7	2
42	Validation of a water-gas shift reactor model based on a commercial FeCr catalyst for pre-combustion CO <sub>2</sub> capture in an IGCC power plant. <i>International Journal of Greenhouse Gas Control</i> , 2014, 29, 82-91.	4.6	13
43	On the stability of conventional and nano-structured carbon-based catalysts in the oxidative dehydrogenation of ethylbenzene under industrially relevant conditions. <i>Carbon</i> , 2014, 77, 329-340.	10.3	24
44	Innenteilbild: Electronic Metal-Support Interactions in Single-Atom Catalysts ( <i>Angew. Chem.</i> 13/2014). <i>Angewandte Chemie</i> , 2014, 126, 3350-3350.	2.0	3
45	Simultaneous hydrolysis and hydrogenation of cellobiose to sorbitol in molten salt hydrate media. <i>Catalysis Science and Technology</i> , 2013, 3, 1565.	4.1	31
46	Oxidative dehydrogenation of ethylbenzene to styrene over alumina: effect of calcination. <i>Catalysis Science and Technology</i> , 2013, 3, 519-526.	4.1	28
47	Sorbitol dehydration into isosorbide in a molten salt hydrate medium. <i>Catalysis Science and Technology</i> , 2013, 3, 1540.	4.1	64
48	Breaking the Fischer-Tropsch synthesis selectivity: direct conversion of syngas to gasoline over hierarchical Co/H-ZSM-5 catalysts. <i>Catalysis Science and Technology</i> , 2013, 3, 572-575.	4.1	114
49	Kinetics of propane dehydrogenation over $Pt-Sn/Al_2O_3$ . <i>Catalysis Science and Technology</i> , 2013, 3, 962-971.	4.1	46
50	A Smart-Hollandite $DeNO_x$ Catalyst: Self-Protection against Alkali Poisoning. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 660-664.	13.8	85
51	Hierarchical H-ZSM-5-supported cobalt for the direct synthesis of gasoline-range hydrocarbons from syngas: Advantages, limitations, and mechanistic insight. <i>Journal of Catalysis</i> , 2013, 305, 179-190.	6.2	192
52	Mechanistic Insight into the Synthesis of Higher Alcohols from Syngas: The Role of K Promotion on $MoS_2$ Catalysts. <i>ACS Catalysis</i> , 2013, 3, 1634-1637.	11.2	113
53	Catalyst Performance Testing in Multiphase Systems: Implications of Using Small Catalyst Particles in Hydrodesulfurization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 9069-9085.	3.7	36
54	Six-flow operations for catalyst development in Fischer-Tropsch synthesis: Bridging the gap between high-throughput experimentation and extensive product evaluation. <i>Review of Scientific Instruments</i> , 2013, 84, 124101.	1.3	12

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55	Influence of Diesel Fuel Characteristics on Soot Oxidation Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 7559-7564.	3.7	13
56	Fluid catalytic cracking: Processing opportunities for Fischer-Tropsch waxes and vegetable oils to produce transportation fuels and light olefins. <i>Microporous and Mesoporous Materials</i> , 2012, 164, 148-163.	4.4	53
57	Catalysed ethylbenzene dehydrogenation in CO <sub>2</sub> or N <sub>2</sub> Carbon deposits as the active phase. <i>Applied Catalysis A: General</i> , 2012, 417-418, 163-173.	4.3	36
58	The role of RWGS in the dehydrogenation of ethylbenzene to styrene in CO <sub>2</sub> . <i>Applied Catalysis A: General</i> , 2012, 423-424, 59-68.	4.3	20
59	On-site low-pressure diesel HDS for fuel cell applications: Deepening the sulfur content to $\frac{1}{2}$ ppm. <i>Fuel</i> , 2011, 90, 3021-3027.	6.4	11
60	Volatile tracer dispersion in multi-phase packed beds. <i>Chemical Engineering Science</i> , 2010, 65, 3972-3985.	3.8	8
61	Cellulose Conversion to Isosorbide in Molten Salt hydrate Media. <i>ChemSusChem</i> , 2010, 3, 325-328.	6.8	118
62	Effective Gasoline Production Strategies by Catalytic Cracking of Rapeseed Vegetable Oil in Refinery Conditions. <i>ChemSusChem</i> , 2010, 3, 807-810.	6.8	24
63	(Particle) Emissions of Small 2- & 4-Stroke Scooters with (Hydrous) Ethanol Blends. , 2010, , .		4
64	Transient Behavior and Stability in Miniaturized Multiphase Packed Bed Reactors. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 1033-1040.	3.7	40
65	Impact of Diesel Fuel Composition on Soot Oxidation Characteristics. , 2009, , .		4
66	Acrylate and propoxy-groups: Contributors to deactivation of Au/TiO <sub>2</sub> in the epoxidation of propene. <i>Journal of Catalysis</i> , 2009, 266, 286-290.	6.2	47
67	Enhancement of biphenyl hydrogenation over gold catalysts supported on Fe-, Ce- and Ti-modified mesoporous silica (HMS). <i>Journal of Catalysis</i> , 2009, 267, 30-39.	6.2	44
68	NO <sub>x</sub> Storage and High Temperature Soot Oxidation on Pt-Sr/ZrO <sub>2</sub> Catalyst. <i>Topics in Catalysis</i> , 2009, 52, 2058-2062.	2.8	7
69	Deep desulphurization of diesel fuels on bifunctional monolithic nanostructured Pt-zeolite catalysts. <i>Catalysis Today</i> , 2009, 144, 235-250.	4.4	39
70	Avoiding segregation during the loading of a catalyst-inert powder mixture in a packed micro-bed. <i>Applied Catalysis A: General</i> , 2009, 365, 110-121.	4.3	29
71	Catalyst testing in a multiple-parallel, gas-liquid, powder-packed bed microreactor. <i>Applied Catalysis A: General</i> , 2009, 365, 199-206.	4.3	40
72	TAP reactor study of the deep oxidation of propane using cobalt oxide and gold-containing cobalt oxide catalysts. <i>Applied Catalysis A: General</i> , 2009, 365, 222-230.	4.3	50

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73	Kinetic and deactivation modelling of biphenyl liquid-phase hydrogenation over bimetallic Pt-Pd catalyst. Applied Catalysis B: Environmental, 2009, 88, 213-223.	20.2	27
74	Application of NO storage/release materials based on alkali-earth oxides supported on Al <sub>2</sub> O <sub>3</sub> for high-temperature diesel soot oxidation. Applied Catalysis B: Environmental, 2009, 88, 263-271.	20.2	61
75	Chemical Design of Carbon Coating on the Alumina Support. , 2009, , 119-130.		0
76	Deep Desulfurization of Fossil Fuels by Air in the Absence of a Catalyst. ChemSusChem, 2008, 1, 817-819.	6.8	15
77	Gold supported on mixed oxides for the oxidation of carbon monoxide. Applied Catalysis A: General, 2008, 347, 208-215.	4.3	33
78	Infinite Dilution Binary Diffusion Coefficients of Hydrotreating Compounds in Tetradecane in the Temperature Range from (310 to 475) K. Journal of Chemical & Engineering Data, 2008, 53, 439-443.	1.9	11
79	Development of a Kinetic Model for the Hydrogenolysis of CCl <sub>2</sub> F <sub>2</sub> Over 1 wt % Pd/C. Industrial & Engineering Chemistry Research, 2007, 46, 4158-4165.	3.7	3
80	Oxidative thermolysis of Mn(acac) <sub>3</sub> on the surface of $\gamma$ -alumina support. Thermochimica Acta, 2007, 456, 145-151.	2.7	5
81	On the mechanism of model diesel soot-O <sub>2</sub> reaction catalysed by Pt-containing La <sup>3+</sup> -doped CeO <sub>2</sub> A TAP study with isotopic O <sub>2</sub> . Catalysis Today, 2007, 121, 237-245.	4.4	80
82	Cracking of a rapeseed vegetable oil under realistic FCC conditions. Applied Catalysis B: Environmental, 2007, 72, 44-61.	20.2	175
83	Preparation of a monolith-supported Au/TiO <sub>2</sub> catalyst active for CO oxidation. Gold Bulletin, 2007, 40, 291-294.	2.7	7
84	Potential rare-earth modified CeO <sub>2</sub> catalysts for soot oxidation. Topics in Catalysis, 2007, 42-43, 221-228.	2.8	32
85	Pt-Ce-soot generated from fuel-borne catalysts: soot oxidation mechanism. Topics in Catalysis, 2007, 42-43, 229-236.	2.8	13
86	Mechanism of deactivation of Au/Fe <sub>2</sub> O <sub>3</sub> catalysts under water-gas shift conditions. Topics in Catalysis, 2007, 44, 209-221.	2.8	22
87	Selective oxidation of CO in the presence of H <sub>2</sub> , H <sub>2</sub> O and CO <sub>2</sub> utilising Au-Fe <sub>2</sub> O <sub>3</sub> catalysts for use in fuel cells. Journal of Materials Chemistry, 2006, 16, 199-208.	6.7	92
88	The Production of Propene Oxide: Catalytic Processes and Recent Developments. Industrial & Engineering Chemistry Research, 2006, 45, 3447-3459.	3.7	456
89	XPS characterisation of carbon-coated alumina support. Surface and Interface Analysis, 2006, 38, 917-921.	1.8	40
90	Gold on titania: Effect of preparation method in the liquid phase oxidation. Applied Catalysis A: General, 2006, 311, 185-192.	4.3	126

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91	Role of gold cations in the oxidation of carbon monoxide catalyzed by iron oxide-supported gold. Journal of Catalysis, 2006, 242, 71-81.	6.2	322
92	DRIFTS study of the water-gas shift reaction over Au/Fe <sub>2</sub> O <sub>3</sub> . Journal of Catalysis, 2006, 243, 171-182.	6.2	106
93	Production of clean transportation fuels and lower olefins from Fischer-Tropsch Synthesis waxes under fluid catalytic cracking conditions. Applied Catalysis B: Environmental, 2006, 63, 277-295.	20.2	70
94	Scaling down trickle bed reactors. Catalysis Today, 2005, 106, 227-232.	4.4	43
95	In situ visible microscopic study of molten Cs <sub>2</sub> SO <sub>4</sub> -V <sub>2</sub> O <sub>5</sub> soot system: Physical interaction, oxidation rate, and data evaluation. Applied Catalysis B: Environmental, 2005, 60, 233-243.	20.2	33
96	Are Fischer-Tropsch waxes good feedstocks for fluid catalytic cracking units?. Catalysis Today, 2005, 106, 288-292.	4.4	49
97	Cracking behaviour of aromatic- and organic sulfur compounds under realistic FCC conditions in a microriser reactor. Studies in Surface Science and Catalysis, 2004, 149, 217-232.	1.5	0
98	The role of NO <sub>2</sub> and O <sub>2</sub> in the accelerated combustion of soot in diesel exhaust gases. Applied Catalysis B: Environmental, 2004, 50, 185-194.	20.2	278
99	CeO <sub>2</sub> catalysed soot oxidation. Applied Catalysis B: Environmental, 2004, 51, 9-19.	20.2	209
100	An Optimal Usage of NO <sub>x</sub> in a Combined Pt/Ceramic Foam and a Wall-Flow Monolith Filter for an Effective NO <sub>x</sub> -Assisted Soot Oxidation. Topics in Catalysis, 2004, 30/31, 305-308.	2.8	12
101	Increasing the low propene epoxidation product yield of gold/titania-based catalysts. Applied Catalysis A: General, 2004, 270, 49-56.	4.3	55
102	An optimal NO <sub>x</sub> assisted abatement of diesel soot in an advanced catalytic filter design. Applied Catalysis B: Environmental, 2003, 42, 35-45.	20.2	93
103	The Choice of Instrument (ELPI and/or SMPS) for Diesel Soot Particulate Measurements. , 2003, , .		13
104	XPS and Mössbauer Characterization of Au/TiO <sub>2</sub> Propene Epoxidation Catalysts. Journal of Physical Chemistry B, 2002, 106, 9853-9862.	2.6	187
105	On the generation of aerosol for diesel particulate filtration studies. Separation and Purification Technology, 2002, 27, 195-209.	7.9	27
106	The influence of NO <sub>x</sub> on soot oxidation rate: molten salt versus platinum. Applied Catalysis B: Environmental, 2002, 35, 159-166.	20.2	89
107	Direct gas-phase epoxidation of propene over bimetallic Au catalysts. Catalysis Today, 2002, 72, 59-62.	4.4	44
108	Synergy effects of ZSM-5 addition in fluid catalytic cracking of hydrotreated flashed distillate. Applied Catalysis A: General, 2002, 223, 103-119.	4.3	31

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109	Science and technology of catalytic diesel particulate filters. <i>Catalysis Reviews - Science and Engineering</i> , 2001, 43, 489-564.	12.9	496
110	Prediction of the Performance of Coked and Regenerated Fluid Catalytic Cracking Catalyst Mixtures. Opportunities for Process Flexibility. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 1602-1607.	3.7	7
111	Deactivation of palladium on activated carbon in the selective hydrogenolysis of CCl <sub>2</sub> F <sub>2</sub> (CFC-12) into CH <sub>2</sub> F <sub>2</sub> (HFC-32). <i>Applied Catalysis A: General</i> , 2001, 212, 223-238.	4.3	14
112	ROTACAT: A Rotating Device Containing a Designed Catalyst for Highly Selective Hydroformylation. <i>Advanced Synthesis and Catalysis</i> , 2001, 343, 201-206.	4.3	27
113	Stability and Selectivity of Au/TiO <sub>2</sub> and Au/TiO <sub>2</sub> /SiO <sub>2</sub> Catalysts in Propene Epoxidation: An in Situ FT-IR Study. <i>Journal of Catalysis</i> , 2001, 201, 128-137.	6.2	244
114	Prediction of the Performance of Coked and Regenerated FCC Catalyst Mixtures. <i>Studies in Surface Science and Catalysis</i> , 2001, 139, 197-204.	1.5	3
115	Development of a palladium on activated carbon for a conceptual process in the selective hydrogenolysis of CCl <sub>2</sub> F <sub>2</sub> (CFC-12) into CH <sub>2</sub> F <sub>2</sub> (HFC-32). <i>Catalysis Today</i> , 2000, 55, 125-137.	4.4	34
116	Influence of Nox on soot combustion with supported molten salt catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1999, 67, 3-7.	0.6	7
117	Direct Epoxidation of Propene Using Gold Dispersed on TS-1 and Other Titanium-Containing Supports. <i>Industrial &amp; Engineering Chemistry Research</i> , 1999, 38, 884-891.	3.7	273
118	Catalyst deactivation in the selective hydrogenolysis of CCl <sub>2</sub> F <sub>2</sub> into CH <sub>2</sub> F <sub>2</sub> . <i>Studies in Surface Science and Catalysis</i> , 1999, 126, 349-356.	1.5	1
119	Comparison of the Performance of Activated Carbon-Supported Noble Metal Catalysts in the Hydrogenolysis of CCl <sub>2</sub> F <sub>2</sub> . <i>Journal of Catalysis</i> , 1998, 177, 29-39.	6.2	117
120	Selection of activated carbon for the selective hydrogenolysis of CCl <sub>2</sub> F <sub>2</sub> (CFC-12) into CH <sub>2</sub> F <sub>2</sub> (HFC-32) over palladium-supported catalysts. <i>Applied Catalysis A: General</i> , 1998, 173, 161-173.	4.3	56
121	Kinetics of the oxidation of diesel soot. <i>Fuel</i> , 1997, 76, 1129-1136.	6.4	258
122	Feasibility study towards a Cu/K/Mo/(Cl) soot oxidation catalyst for application in diesel exhaust gases. <i>Applied Catalysis B: Environmental</i> , 1997, 11, 365-382.	20.2	50
123	Catalysts for the oxidation of soot from diesel exhaust gases II. Contact between soot and catalyst under practical conditions. <i>Applied Catalysis B: Environmental</i> , 1997, 12, 21-31.	20.2	219
124	Diesel particulate emission control. <i>Fuel Processing Technology</i> , 1996, 47, 1-69.	7.2	326
125	Metal oxides as catalysts for the oxidation of soot. <i>The Chemical Engineering Journal and the Biochemical Engineering Journal</i> , 1996, 64, 295-302.	0.1	38
126	The effects of heat and mass transfer in thermogravimetric analysis. A case study towards the catalytic oxidation of soot. <i>Thermochimica Acta</i> , 1996, 287, 261-278.	2.7	87



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127	Mechanistic study of the selective hydrogenolysis of $\text{CCl}_2\text{F}_2$ ( $\text{CFC}_{12}$ ) into $\text{CH}_2\text{F}_2$ ( $\text{HFC}_{32}$ ) over palladium on activated carbon. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1996, 115, 505-510.	0.0	26
128	Soot oxidation catalyzed by a Cu/K/Mo/Cl catalyst: evaluation of the chemistry and performance of the catalyst. <i>Applied Catalysis B: Environmental</i> , 1995, 6, 339-352.	20.2	131
129	Catalytic oxidation of diesel soot: Catalyst development. <i>Studies in Surface Science and Catalysis</i> , 1995, , 549-561.	1.5	20
130	Hydrogenation of d-fructose and d-fructose/d-glucose mixtures. <i>Carbohydrate Research</i> , 1985, 138, 225-236.	2.3	72
131	Combined action of an enzyme and a metal catalyst on the conversion of d-glucose/d-fructose mixtures into d-mannitol. <i>Carbohydrate Research</i> , 1985, 138, 237-245.	2.3	44
132	Combined action of enzyme and metal catalyst, applied to the preparation of D-mannitol. <i>Journal of the Chemical Society Chemical Communications</i> , 1980, , 930.	2.0	63
133	An Optimal Usage of Nox in a Combined Pt/Ceramic Foam and a Wall-Flow Monolith Filter for an Effective Nox-Assisted Diesel Soot Oxidation. , 0, , .		11