

K P De Jong

List of Publications by Year in descending order

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164
papers

19,913
citations

18482

62
h-index

10734

138
g-index

191
all docs

191
docs citations

191
times ranked

16015
citing authors

#	ARTICLE	IF	CITATIONS
1	Utilization of Silver Silicate for the Formation of Highly Dispersed Silver on Silica Catalysts. ChemCatChem, 2022, 14, .	3.7	3
2	Maximizing noble metal utilization in solid catalysts by control of nanoparticle location. Science, 2022, 377, 204-208.	12.6	73
3	Supported silver catalysts prepared via melt infiltration: Synthesis, characterization and performance in selective hydrogenation. Catalysis Today, 2021, 375, 393-400.	4.4	4
4	Conversion of synthesis gas to aromatics at medium temperature with a fischer tropsch and ZSM-5 dual catalyst bed. Catalysis Today, 2021, 369, 175-183.	4.4	17
5	Control and Impact of Metal Loading Heterogeneities at the Nanoscale on the Performance of Pt/Zeolite Y Catalysts for Alkane Hydroconversion. ACS Catalysis, 2021, 11, 3842-3855.	11.2	35
6	Visualizing Element Migration over Bifunctional Metal-Zeolite Catalysts and its Impact on Catalysis. Angewandte Chemie, 2021, 133, 17876-17884.	2.0	53
7	Visualizing Element Migration over Bifunctional Metal-Zeolite Catalysts and its Impact on Catalysis. Angewandte Chemie - International Edition, 2021, 60, 17735-17743.	13.8	99
8	Stable niobia-supported nickel catalysts for the hydrogenation of carbon monoxide to hydrocarbons. Catalysis Today, 2020, 343, 56-62.	4.4	18
9	Effect of proximity and support material on deactivation of bifunctional catalysts for the conversion of synthesis gas to olefins and aromatics. Catalysis Today, 2020, 342, 161-166.	4.4	46
10	Assessment of the Location of Pt Nanoparticles in Pt/zeolite Y/Al ₂ O ₃ Composite Catalysts. ChemCatChem, 2020, 12, 615-622.	3.7	13
11	Influence of Promotion on the Growth of Anchored Colloidal Iron Oxide Nanoparticles during Synthesis Gas Conversion. ACS Catalysis, 2020, 10, 1913-1922.	11.2	12
12	Growth of Supported Gold Nanoparticles in Aqueous Phase Studied by in Situ Transmission Electron Microscopy. Journal of Physical Chemistry C, 2020, 124, 2202-2212.	3.1	19
13	Impact of the Spatial Organization of Bifunctional Metal-Zeolite Catalysts on the Hydroisomerization of Light Alkanes. Angewandte Chemie, 2020, 132, 3620-3628.	2.0	49
14	Impact of the Spatial Organization of Bifunctional Metal-Zeolite Catalysts on the Hydroisomerization of Light Alkanes. Angewandte Chemie - International Edition, 2020, 59, 3592-3600.	13.8	117
15	Torn between two sites. Nature Materials, 2020, 19, 5-6.	27.5	3
16	The Influence of Residual Chlorine on Pt/Zeolite Y/Al ₂ O ₃ Composite Catalysts: Acidity and Performance. Applied Catalysis A: General, 2020, 605, 117815.	4.3	12
17	Influence of Nanoscale Intimacy and Zeolite Micropore Size on the Performance of Bifunctional Catalysts for n-Heptane Hydroisomerization. ACS Catalysis, 2020, 10, 14245-14257.	11.2	68
18	Bifunctional molybdenum oxide/acid catalysts for hydroisomerization of n-heptane. Journal of Catalysis, 2020, 390, 161-169.	6.2	24

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19	Disk-Shaped Cobalt Nanocrystals as Fischer-Tropsch Synthesis Catalysts Under Industrially Relevant Conditions. <i>Topics in Catalysis</i> , 2020, 63, 1398-1411.	2.8	3
20	Stability of Colloidal Iron Oxide Nanoparticles on Titania and Silica Support. <i>Chemistry of Materials</i> , 2020, 32, 5226-5235.	6.7	6
21	Cobalt-Nickel Nanoparticles Supported on Reducible Oxides as Fischer-Tropsch Catalysts. <i>ACS Catalysis</i> , 2020, 10, 7343-7354.	11.2	40
22	Influence of intimacy for metal-mesoporous solid acids catalysts for <i>n</i> -alkanes hydro-conversion. <i>Catalysis Science and Technology</i> , 2020, 10, 2111-2119.	4.1	20
23	Cobalt nanocrystals on carbon nanotubes in the Fischer-Tropsch synthesis: Impact of support oxidation. <i>Applied Catalysis A: General</i> , 2020, 593, 117441.	4.3	31
24	Diffusion Mechanisms for Ions over Hydroxylated Surfaces: Cu on γ -Al ₂ O ₃ . <i>Journal of Physical Chemistry C</i> , 2019, 123, 18502-18507.	3.1	1
25	Impact of Niobium in the Metal-Organic Framework-Mediated Synthesis of Co-Based Catalysts for Synthesis Gas Conversion. <i>Catalysis Letters</i> , 2019, 149, 3279-3286.	2.6	16
26	Origin and prevention of broad particle size distributions in carbon-supported palladium catalysts prepared by liquid-phase reduction. <i>Journal of Catalysis</i> , 2019, 375, 448-455.	6.2	12
27	Control of metal-support interactions in heterogeneous catalysts to enhance activity and selectivity. <i>Nature Catalysis</i> , 2019, 2, 955-970.	34.4	1,192
28	Assessment of oxide nanoparticle stability in liquid phase transmission electron microscopy. <i>Nano Research</i> , 2019, 12, 2355-2363.	10.4	7
29	Atomic-Scale Investigation of the Structural and Electronic Properties of Cobalt-Iron Bimetallic Fischer-Tropsch Catalysts. <i>ACS Catalysis</i> , 2019, 9, 7998-8011.	11.2	37
30	Thermal stability of oxide-supported gold nanoparticles. <i>Gold Bulletin</i> , 2019, 52, 105-114.	2.4	42
31	The Origin of Metal Loading Heterogeneities in Pt/Zelite Y Bifunctional Catalysts. <i>ChemCatChem</i> , 2019, 11, 4081-4088.	3.7	15
32	Attachment of iron oxide nanoparticles to carbon nanofibers studied by in-situ liquid phase transmission electron microscopy. <i>Micron</i> , 2019, 117, 40-46.	2.2	11
33	Promoted cobalt metal catalysts suitable for the production of lower olefins from natural gas. <i>Nature Communications</i> , 2019, 10, 167.	12.8	79
34	Nanoscale Imaging and Stabilization of Silica Nanospheres in Liquid Phase Transmission Electron Microscopy. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800374.	2.3	11
35	Assembly and activation of supported cobalt nanocrystal catalysts for the Fischer-Tropsch synthesis. <i>Chemical Communications</i> , 2018, 54, 2530-2533.	4.1	21
36	Influence of Metal Deposition and Activation Method on the Structure and Performance of Carbon Nanotube Supported Palladium Catalysts. <i>ChemCatChem</i> , 2018, 10, 1552-1555.	3.7	19

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37	Attachment of Iron Oxide Nanoparticles to Carbon Nanotubes and the Consequences for Catalysis. ChemCatChem, 2018, 10, 3388-3391.	3.7	11
38	Bifunctional Catalysis for the Conversion of Synthesis Gas to Olefins and Aromatics. ChemCatChem, 2018, 10, 1107-1112.	3.7	54
39	Preparation of Cobalt Nanocrystals Supported on Metal Oxides To Study Particle Growth in Fischer-Tropsch Catalysts. ACS Catalysis, 2018, 8, 10581-10589.	11.2	43
40	Tandem promotion of iron catalysts by sodium-sulfur and nitrogen-doped carbon layers on carbon nanotube supports for the Fischer-Tropsch to olefins synthesis. Applied Catalysis A: General, 2018, 568, 213-220.	4.3	17
41	Activity enhancement of cobalt catalysts by tuning metal-support interactions. Nature Communications, 2018, 9, 4459.	12.8	179
42	Impact of heterogeneities in silica-supported copper catalysts on their stability for methanol synthesis. Journal of Catalysis, 2018, 365, 1-9.	6.2	30
43	Impact of the electron beam on the thermal stability of gold nanorods studied by environmental transmission electron microscopy. Ultramicroscopy, 2018, 193, 97-103.	1.9	35
44	Promoted Iron Nanocrystals Obtained via Ligand Exchange as Active and Selective Catalysts for Synthesis Gas Conversion. ACS Catalysis, 2017, 7, 5121-5128.	11.2	26
45	Silica-Supported Au-Ag Catalysts for the Selective Hydrogenation of Butadiene. ChemCatChem, 2017, 9, 2418-2425.	3.7	21
46	The platinum rush. Nature Materials, 2017, 16, 7-8.	27.5	9
47	Influence of precursor porosity on sodium and sulfur promoted iron/carbon Fischer-Tropsch catalysts derived from metal-organic frameworks. Chemical Communications, 2017, 53, 10204-10207.	4.1	36
48	In-Situ 2p3d Resonant Inelastic X-ray Scattering Tracking Cobalt Nanoparticle Reduction. Journal of Physical Chemistry C, 2017, 121, 17450-17456.	3.1	13
49	Crystalline niobia with tailored porosity as support for cobalt catalysts for the Fischer-Tropsch synthesis. Applied Catalysis A: General, 2017, 548, 143-149.	4.3	22
50	Superior Stability of Au/SiO ₂ Compared to Au/TiO ₂ Catalysts for the Selective Hydrogenation of Butadiene. ACS Catalysis, 2017, 7, 5594-5603.	11.2	56
51	Stability of Silicon Dioxide in Liquid Phase TEM. Microscopy and Microanalysis, 2017, 23, 868-869.	0.4	0
52	Origin and Abatement of Heterogeneity at the Support Granule Scale of Silver on Silica Catalysts. ChemCatChem, 2017, 9, 4562-4569.	3.7	11
53	Manufacture of highly loaded silica-supported cobalt Fischer-Tropsch catalysts from a metal organic framework. Nature Communications, 2017, 8, 1680.	12.8	128
54	Preparation and particle size effects of Ag/Al ₂ O ₃ catalysts for ethylene epoxidation. Journal of Catalysis, 2017, 356, 65-74.	6.2	63

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55	Effects of the Functionalization of the Ordered Mesoporous Carbon Support Surface on Iron Catalysts for the Fischer-Tropsch Synthesis of Lower Olefins. <i>ChemCatChem</i> , 2017, 9, 620-628.	3.7	50
56	Anisotropic Shape Changes of Silica Nanoparticles Induced in Liquid with Scanning Transmission Electron Microscopy. <i>Small</i> , 2017, 13, 1602466.	10.0	21
57	Time lapse liquid phase scanning transmission electron microscopy of nanoparticles. <i>Microscopy and Microanalysis</i> , 2017, 23, 856-857.	0.4	2
58	Size and Promoter Effects on Stability of Carbon-Nanofiber-Supported Iron-Based Fischer-Tropsch Catalysts. <i>ACS Catalysis</i> , 2016, 6, 4017-4024.	11.2	118
59	Revealing the Formation of Copper Nanoparticles from a Homogeneous Solid Precursor by Electron Microscopy. <i>Journal of the American Chemical Society</i> , 2016, 138, 3433-3442.	13.7	50
60	Size and Promoter Effects in Supported Iron Fischer-Tropsch Catalysts: Insights from Experiment and Theory. <i>ACS Catalysis</i> , 2016, 6, 3147-3157.	11.2	138
61	Ordered Mesoporous Materials as Supports for Stable Iron Catalysts in the Fischer-Tropsch Synthesis of Lower Olefins. <i>ChemCatChem</i> , 2016, 8, 2846-2852.	3.7	35
62	Systematic variation of the sodium/sulfur promoter content on carbon-supported iron catalysts for the Fischer-Tropsch to olefins reaction. <i>Journal of Energy Chemistry</i> , 2016, 25, 985-993.	12.9	25
63	Effects of calcination and activation conditions on ordered mesoporous carbon supported iron catalysts for production of lower olefins from synthesis gas. <i>Catalysis Science and Technology</i> , 2016, 6, 8464-8473.	4.1	34
64	The frontiers of energy. <i>Nature Energy</i> , 2016, 1, .	39.5	253
65	Structure sensitivity of Cu and CuZn catalysts relevant to industrial methanol synthesis. <i>Nature Communications</i> , 2016, 7, 13057.	12.8	218
66	On the superior activity and selectivity of PtCo/Nb ₂ O ₅ Fischer Tropsch catalysts. <i>Journal of Catalysis</i> , 2016, 340, 270-275.	6.2	23
67	Synergistic Promotion of Co/SiO ₂ Fischer-Tropsch Catalysts by Niobia and Platinum. <i>ACS Catalysis</i> , 2016, 6, 1616-1623.	11.2	44
68	Effects of noble metal promotion for Co/TiO ₂ Fischer-Tropsch catalysts. <i>Catalysis Today</i> , 2016, 261, 60-66.	4.4	52
69	Encapsulation of chiral Fe(salen) in mesoporous silica structures for use as catalysts to produce optically active sulfoxides. <i>Catalysis Science and Technology</i> , 2016, 6, 5124-5133.	4.1	20
70	Surprised by selectivity. <i>Science</i> , 2016, 351, 1030-1031.	12.6	40
71	Manipulating Size and Shape of Silica Nanoparticles with Liquid-Phase Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2015, 21, 1129-1130.	0.4	0
72	Mesoscale Characterization of Nanoparticles Distribution Using X-ray Scattering. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11804-11808.	13.8	22

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73	Fabrication of Fischer-Tropsch Catalysts by Deposition of Iron Nanocrystals on Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2015, 25, 5309-5319.	14.9	57
74	Tailoring and visualizing the pore architecture of hierarchical zeolites. <i>Chemical Society Reviews</i> , 2015, 44, 7234-7261.	38.1	336
75	Effect of support surface treatment on the synthesis, structure, and performance of Co/CNT Fischer-Tropsch catalysts. <i>Journal of Catalysis</i> , 2015, 328, 130-138.	6.2	107
76	Nanoscale intimacy in bifunctional catalysts for selective conversion of hydrocarbons. <i>Nature</i> , 2015, 528, 245-248.	27.8	450
77	Palladium nanoparticles confined in thiol-functionalized ordered mesoporous silica for more stable Heck and Suzuki catalysts. <i>Catalysis Science and Technology</i> , 2015, 5, 1919-1928.	4.1	59
78	Recent Developments in the Synthesis of Supported Catalysts. <i>Chemical Reviews</i> , 2015, 115, 6687-6718.	47.7	986
79	Support Functionalization To Retard Ostwald Ripening in Copper Methanol Synthesis Catalysts. <i>ACS Catalysis</i> , 2015, 5, 4439-4448.	11.2	96
80	Mapping nanocavities in plugged SBA-15 with confined silver nanostructures. <i>Microporous and Mesoporous Materials</i> , 2015, 201, 234-239.	4.4	10
81	The Size Dependence of Hydrogen Mobility and Sorption Kinetics for Carbon-Supported MgH ₂ Particles. <i>Advanced Functional Materials</i> , 2014, 24, 3604-3611.	14.9	101
82	Kinetics and mechanism of 5-hydroxymethylfurfural oxidation and their implications for catalyst development. <i>Journal of Molecular Catalysis A</i> , 2014, 388-389, 123-132.	4.8	89
83	Highly Selective and Active Niobia-Supported Cobalt Catalysts for Fischer-Tropsch Synthesis. <i>Topics in Catalysis</i> , 2014, 57, 445-450.	2.8	18
84	Control and Impact of the Nanoscale Distribution of Supported Cobalt Particles Used in Fischer-Tropsch Catalysis. <i>Journal of the American Chemical Society</i> , 2014, 136, 7333-7340.	13.7	144
85	Design and Synthesis of Copper-Cobalt Catalysts for the Selective Conversion of Synthesis Gas to Ethanol and Higher Alcohols. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6397-6401.	13.8	209
86	Transformations of polyols to organic acids and hydrogen in aqueous alkaline media. <i>Catalysis Science and Technology</i> , 2014, 4, 2353-2366.	4.1	41
87	Cobalt particle size effects on catalytic performance for ethanol steam reforming - Smaller is better. <i>Journal of Catalysis</i> , 2014, 318, 67-74.	6.2	134
88	Effects of Drying Conditions on the Synthesis of Co/SiO ₂ and Co/Al ₂ O ₃ Fischer-Tropsch Catalysts. <i>ACS Catalysis</i> , 2014, 4, 3219-3226.	11.2	63
89	Nanoparticle Growth in Supported Nickel Catalysts during Methanation Reaction - Larger is Better. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9493-9497.	13.8	84
90	Effects of loading and synthesis method of titania-supported cobalt catalysts for Fischer-Tropsch synthesis. <i>Catalysis Today</i> , 2014, 228, 89-95.	4.4	61

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91	3D Nanoscale Analysis of Zeolite Catalysts by Electron Tomography and Image Processing. <i>Microscopy and Microanalysis</i> , 2014, 20, 784-785.	0.4	2
92	Synthesis of Mg ₂ Cu nanoparticles on carbon supports with enhanced hydrogen sorption kinetics. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9983.	10.3	21
93	Catalysts for Production of Lower Olefins from Synthesis Gas: A Review. <i>ACS Catalysis</i> , 2013, 3, 2130-2149.	11.2	804
94	Tailoring the Window Sizes to Control the Local Concentration and Activity of (salen)Co Catalysts in Plugged Nanochannels of SBA-15 Materials. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10854-10857.	13.8	28
95	Towards "greener" catalyst manufacture: Reduction of wastewater from the preparation of Cu/ZnO/Al ₂ O ₃ methanol synthesis catalysts. <i>Catalysis Today</i> , 2013, 215, 142-151.	4.4	32
96	Freeze-drying for controlled nanoparticle distribution in Co/SiO ₂ Fischer-Tropsch catalysts. <i>Journal of Catalysis</i> , 2013, 297, 306-313.	6.2	68
97	Control and assessment of plugging of mesopores in SBA-15 materials. <i>Microporous and Mesoporous Materials</i> , 2013, 170, 340-345.	4.4	31
98	Towards stable catalysts by controlling collective properties of supported metal nanoparticles. <i>Nature Materials</i> , 2013, 12, 34-39.	27.5	606
99	Heterogeneities of the Nanostructure of Platinum/Zeolite Y Catalysts Revealed by Electron Tomography. <i>ACS Nano</i> , 2013, 7, 3698-3705.	14.6	85
100	Controlling the Distribution of Supported Nanoparticles by Aqueous Synthesis. <i>Chemistry of Materials</i> , 2013, 25, 890-896.	6.7	44
101	Effects of sodium and sulfur on catalytic performance of supported iron catalysts for the Fischer-Tropsch synthesis of lower olefins. <i>Journal of Catalysis</i> , 2013, 303, 22-30.	6.2	217
102	Progress in electron tomography to assess the 3D nanostructure of catalysts. <i>Current Opinion in Solid State and Materials Science</i> , 2013, 17, 115-125.	11.5	60
103	Effect of precursor on the catalytic performance of supported iron catalysts for the Fischer-Tropsch synthesis of lower olefins. <i>Catalysis Today</i> , 2013, 215, 95-102.	4.4	76
104	Carbon Nanofiber-Supported K ₂ CO ₃ as an Efficient Low-Temperature Regenerable CO ₂ Sorbent for Post-Combustion Capture. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 12812-12818.	3.7	18
105	Architecture at the Nanoscale "Self-Pillared Zeolite Nanosheets. <i>ChemCatChem</i> , 2013, 5, 417-418.	3.7	5
106	Selective deoxygenation of stearic acid via an anhydride pathway. <i>RSC Advances</i> , 2012, 2, 9387.	3.6	35
107	Enhanced reversibility of H ₂ sorption in nanoconfined complex metal hydrides by alkali metal addition. <i>Journal of Materials Chemistry</i> , 2012, 22, 13209.	6.7	32
108	H ₂ PtCl ₆ -derived Pt nanoparticles on USY zeolite: A qualitative and quantitative electron tomography study. <i>Microporous and Mesoporous Materials</i> , 2012, 164, 99-103.	4.4	11

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109	Iron Particle Size Effects for Direct Production of Lower Olefins from Synthesis Gas. Journal of the American Chemical Society, 2012, 134, 16207-16215.	13.7	390
110	Supported Iron Nanoparticles as Catalysts for Sustainable Production of Lower Olefins. Science, 2012, 335, 835-838.	12.6	1,001
111	Suppression of Carbon Deposition in the Iron-Catalyzed Production of Lower Olefins from Synthesis Gas. Angewandte Chemie - International Edition, 2012, 51, 7190-7193.	13.8	80
112	Mesoporosity of Zeolite γ : Quantitative Three-Dimensional Study by Image Analysis of Electron Tomograms. Angewandte Chemie - International Edition, 2012, 51, 4213-4217.	13.8	103
113	Reversibility of the hydrogen desorption from NaBH ₄ by confinement in nanoporous carbon. Energy and Environmental Science, 2011, 4, 4108.	30.8	109
114	Copper Nitrate Redispersed To Arrive at Highly Active Silica-Supported Copper Catalysts. Journal of Physical Chemistry C, 2011, 115, 14698-14706.	3.1	112
115	A Highly Active and Selective Manganese Oxide Promoted Cobalt-on-Silica Fischer-Tropsch Catalyst. Topics in Catalysis, 2011, 54, 768-777.	2.8	57
116	A Quantitative Electron Tomography Study of Ruthenium Particles on the Interior and Exterior Surfaces of Carbon Nanotubes. ChemSusChem, 2011, 4, 957-963.	6.8	28
117	Combining confinement and NO calcination to arrive at highly dispersed supported nickel and cobalt oxide catalysts with a tunable particle size. Catalysis Today, 2011, 163, 27-32.	4.4	57
118	Zeolite γ Crystals with Trimodal Porosity as Ideal Hydrocracking Catalysts. Angewandte Chemie - International Edition, 2010, 49, 10074-10078.	13.8	265
119	Alkaline treatment on commercially available aluminum rich mordenite. Applied Catalysis A: General, 2010, 382, 65-72.	4.3	71
120	Fundamentals of Melt Infiltration for the Preparation of Supported Metal Catalysts. The Case of Co/SiO ₂ for Fischer-Tropsch Synthesis. Journal of the American Chemical Society, 2010, 132, 18318-18325.	13.7	100
121	Insight into the Effect of Dealumination on Mordenite Using Experimentally Validated Simulations. Journal of Physical Chemistry C, 2010, 114, 2056-2065.	3.1	41
122	Mesoporous mordenites obtained by sequential acid and alkaline treatments - Catalysts for cumene production with enhanced accessibility. Journal of Catalysis, 2010, 276, 170-180.	6.2	90
123	Gas-Phase Model Studies Relevant to the Decomposition of Transition-Metal Nitrates M(NO ₃) ₂ (M = Co, Ni) into Metal-Oxo Species. European Journal of Inorganic Chemistry, 2009, 2009, 2121-2128.	2.0	24
124	Reducibility of Platinum Supported on Nanostructured Carbons. Topics in Catalysis, 2009, 52, 424-430.	2.8	14
125	Activity of Nitrogen Containing Carbon Nanotubes in Base Catalyzed Knoevenagel Condensation. Topics in Catalysis, 2009, 52, 1575-1583.	2.8	42
126	On the Origin of the Cobalt Particle Size Effects in Fischer-Tropsch Catalysis. Journal of the American Chemical Society, 2009, 131, 7197-7203.	13.7	699

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127	Electron Tomography for Heterogeneous Catalysts and Related Nanostructured Materials. Chemical Reviews, 2009, 109, 1613-1629.	47.7	235
128	Quantitative Characterization of Pore Corrugation in Ordered Mesoporous Materials Using Image Analysis of Electron Tomograms. Chemistry of Materials, 2009, 21, 1311-1317.	6.7	85
129	On the Nature of Oxygen-Containing Surface Groups on Carbon Nanofibers and Their Role for Platinum Deposition—An XPS and Titration Study. Journal of Physical Chemistry C, 2009, 113, 9865-9869.	3.1	104
130	Isomeric periodic mesoporous organosilicas with controllable properties. Journal of Materials Chemistry, 2009, 19, 8839.	6.7	18
131	Binary Nanoparticle Superlattices in 3D: from Quantitative Analysis of Crystal Structures to Characterization of Lattice Defects.. Microscopy and Microanalysis, 2009, 15, 1192-1193.	0.4	0
132	How nitric oxide affects the decomposition of supported nickel nitrate to arrive at highly dispersed catalysts. Journal of Catalysis, 2008, 260, 227-235.	6.2	103
133	Ordered Mesoporous Silica to Study the Preparation of Ni/SiO ₂ ex Nitrate Catalysts: Impregnation, Drying, and Thermal Treatments. Chemistry of Materials, 2008, 20, 2921-2931.	6.7	152
134	Measuring Location, Size, Distribution, and Loading of NiO Crystallites in Individual SBA-15 Pores by Electron Tomography. Journal of the American Chemical Society, 2007, 129, 10249-10254.	13.7	94
135	The Preparation of Carbon-Supported Magnesium Nanoparticles using Melt Infiltration. Chemistry of Materials, 2007, 19, 6052-6057.	6.7	189
136	XAFS Study of the Al K-Edge in NaAlH ₄ . Journal of Physical Chemistry C, 2007, 111, 11721-11725.	3.1	10
137	Application of ordered mesoporous materials as model supports to study catalyst preparation by impregnation and drying. Studies in Surface Science and Catalysis, 2006, 162, 95-102.	1.5	46
138	Cobalt Particle Size Effects in the Fischer-Tropsch Reaction Studied with Carbon Nanofiber Supported Catalysts. Journal of the American Chemical Society, 2006, 128, 3956-3964.	13.7	1,318
139	Preparation of Fischer-Tropsch cobalt catalysts supported on carbon nanofibers and silica using homogeneous deposition-precipitation. Journal of Catalysis, 2006, 237, 291-302.	6.2	206
140	Synthesis of heterogeneous base catalysts: nitrogen containing carbon nanotubes. Studies in Surface Science and Catalysis, 2006, 162, 29-36.	1.5	4
141	TEM and XPS studies to reveal the presence of cobalt and palladium particles in the inner core of carbon nanofibers. Carbon, 2005, 43, 327-332.	10.3	51
142	Quantitative morphological studies of mesoporous catalysts at nanometer scale resolution. Studies in Surface Science and Catalysis, 2005, 158, 633-638.	1.5	6
143	Cobalt on carbon nanofiber catalysts: auspicious system for study of manganese promotion in Fischer-Tropsch catalysis. Chemical Communications, 2005, , 731-733.	4.1	76
144	Pd L3edge XANES investigation of the electronic and geometric structure of Pd/Ag-H membranes. Physical Chemistry Chemical Physics, 2004, 6, 3903-3906.	2.8	20

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145	Title is missing!. Catalysis Letters, 2003, 89, 139-142.	2.6	94
146	Generation, Characterization, and Impact of Mesopores in Zeolite Catalysts. Catalysis Reviews - Science and Engineering, 2003, 45, 297-319.	12.9	743
147	On the Shape of the Mesopores in Zeolite Y: A Three-Dimensional Transmission Electron Microscopy Study Combined with Texture Analysis. Journal of Physical Chemistry B, 2002, 106, 11905-11909.	2.6	208
148	Hydrogen storage using physisorption " materials demands. Applied Physics A: Materials Science and Processing, 2001, 72, 619-623.	2.3	527
149	Synthesis of supported palladium catalysts. Journal of Molecular Catalysis A, 2001, 173, 75-98.	4.8	302
150	Three-Dimensional Transmission Electron Microscopic Observations of Mesopores in Dealuminated Zeolite Y. Angewandte Chemie - International Edition, 2001, 40, 1102-1104.	13.8	284
151	Preparation of Highly Dispersed Pt Particles in Zeolite Y with a Narrow Particle Size Distribution: Characterization by Hydrogen Chemisorption, TEM, EXAFS Spectroscopy, and Particle Modeling. Journal of Catalysis, 2001, 203, 307-321.	6.2	248
152	Combined Diffusion, Adsorption, and Reaction Studies of n-Hexane Hydroisomerization over Pt/H-Mordenite in an Oscillating Microbalance. Journal of Catalysis, 2001, 204, 272-280.	6.2	114
153	Three-Dimensional Transmission Electron Microscopic Observations of Mesopores in Dealuminated Zeolite Y Supported by NWO under grant 98037. The research of A.J.K. has been made possible by a fellowship of the Royal Netherlands Academy of Arts and Sciences (KNAW). The authors thank J. E. M. J. Raaymakers for the nitrogen physisorption measurements, A. J. M. Mens for the XPS measurements, J. A. R. van Veen and E. J. Creighton for physical data and useful discussions, and Shell International Chemicals and Zeol. Angewandte Chemie - International Edition, 2001, 40, 1102-1104.	13.8	14
154	Influence of the Generation of Mesopores on the Hydroisomerization Activity and Selectivity of n-Hexane over Pt/Mordenite. Journal of Catalysis, 2000, 190, 209-214.	6.2	123
155	Three-Dimensional Transmission Electron Microscopy: A Novel Imaging and Characterization Technique with Nanometer Scale Resolution for Materials Science. Journal of Physical Chemistry B, 2000, 104, 9368-9370.	2.6	256
156	Carbon Nanofibers: Catalytic Synthesis and Applications. Catalysis Reviews - Science and Engineering, 2000, 42, 481-510.	12.9	1,223
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