K P De Jong

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7072703/publications.pdf

Version: 2024-02-01

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	Cobalt Particle Size Effects in the Fischerâ^'Tropsch Reaction Studied with Carbon Nanofiber Supported Catalysts. Journal of the American Chemical Society, 2006, 128, 3956-3964.	13.7	1,318
2	Carbon Nanofibers: Catalytic Synthesis and Applications. Catalysis Reviews - Science and Engineering, 2000, 42, 481-510.	12.9	1,223
3	Control of metal-support interactions in heterogeneous catalysts to enhance activity and selectivity. Nature Catalysis, 2019, 2, 955-970.	34.4	1,192
4	Supported Iron Nanoparticles as Catalysts for Sustainable Production of Lower Olefins. Science, 2012, 335, 835-838.	12.6	1,001
5	Recent Developments in the Synthesis of Supported Catalysts. Chemical Reviews, 2015, 115, 6687-6718.	47.7	986
6	Catalysts for Production of Lower Olefins from Synthesis Gas: A Review. ACS Catalysis, 2013, 3, 2130-2149.	11.2	804
7	Generation, Characterization, and Impact of Mesopores in Zeolite Catalysts. Catalysis Reviews - Science and Engineering, 2003, 45, 297-319.	12.9	743
8	On the Origin of the Cobalt Particle Size Effects in Fischerâ^'Tropsch Catalysis. Journal of the American Chemical Society, 2009, 131, 7197-7203.	13.7	699
9	Towards stable catalysts by controlling collective properties of supported metal nanoparticles. Nature Materials, 2013, 12, 34-39.	27.5	606
10	Hydrogen storage using physisorption â€" materials demands. Applied Physics A: Materials Science and Processing, 2001, 72, 619-623.	2.3	527
11	Nanoscale intimacy in bifunctional catalysts for selective conversion of hydrocarbons. Nature, 2015, 528, 245-248.	27.8	450
12	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
13	Tailoring and visualizing the pore architecture of hierarchical zeolites. Chemical Society Reviews, 2015, 44, 7234-7261.	38.1	336
14	Synthesis of supported palladium catalysts. Journal of Molecular Catalysis A, 2001, 173, 75-98.	4.8	302
15	Three-Dimensional Transmission Electron Microscopic Observations of Mesopores in Dealuminated Zeolite Y. Angewandte Chemie - International Edition, 2001, 40, 1102-1104.	13.8	284
16	Zeoliteâ€…Y Crystals with Trimodal Porosity as Ideal Hydrocracking Catalysts. Angewandte Chemie - International Edition, 2010, 49, 10074-10078.	13.8	265
17	Three-Dimensional Transmission Electron Microscopy:Â 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
18	The frontiers of energy. Nature Energy, 2016, 1, .	39.5	253

#	Article	IF	Citations
19	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
20	Electron Tomography for Heterogeneous Catalysts and Related Nanostructured Materials. Chemical Reviews, 2009, 109, 1613-1629.	47.7	235
21	Structure sensitivity of Cu and CuZn catalysts relevant to industrial methanol synthesis. Nature Communications, 2016, 7, 13057.	12.8	218
22	Effects of sodium and sulfur on catalytic performance of supported iron catalysts for the Fischerâ€“Tropsch synthesis of lower olefins. Journal of Catalysis, 2013, 303, 22-30.	6.2	217
23	Design and Synthesis of Copperâ€“Cobalt Catalysts for the Selective Conversion of Synthesis Gas to Ethanol and Higher Alcohols. Angewandte Chemie - International Edition, 2014, 53, 6397-6401.	13.8	209
24	On the Shape of the Mesopores in Zeolite Y:â€‰ A Three-Dimensional Transmission Electron Microscopy Study Combined with Texture Analysis. Journal of Physical Chemistry B, 2002, 106, 11905-11909.	2.6	208
25	Preparation of Fischerâ€“Tropsch cobalt catalysts supported on carbon nanofibers and silica using homogeneous deposition-precipitation. Journal of Catalysis, 2006, 237, 291-302.	6.2	206
26	The Preparation of Carbon-Supported Magnesium Nanoparticles using Melt Infiltration. Chemistry of Materials, 2007, 19, 6052-6057.	6.7	189
27	Activity enhancement of cobalt catalysts by tuning metal-support interactions. Nature Communications, 2018, 9, 4459.	12.8	179
28	Ordered Mesoporous Silica to Study the Preparation of Ni/SiO₂ ex Nitrate Catalysts: Impregnation, Drying, and Thermal Treatments. Chemistry of Materials, 2008, 20, 2921-2931.	6.7	152
29	Control and Impact of the Nanoscale Distribution of Supported Cobalt Particles Used in Fischerâ€“Tropsch Catalysis. Journal of the American Chemical Society, 2014, 136, 7333-7340.	13.7	144
30	Size and Promoter Effects in Supported Iron Fischerâ€“Tropsch Catalysts: Insights from Experiment and Theory. ACS Catalysis, 2016, 6, 3147-3157.	11.2	138
31	Cobalt particle size effects on catalytic performance for ethanol steam reforming â€“ Smaller is better. Journal of Catalysis, 2014, 318, 67-74.	6.2	134
32	Manufacture of highly loaded silica-supported cobalt Fischerâ€“Tropsch catalysts from a metal organic framework. Nature Communications, 2017, 8, 1680.	12.8	128
33	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
34	Size and Promoter Effects on Stability of Carbon-Nanofiber-Supported Iron-Based Fischerâ€“Tropsch Catalysts. ACS Catalysis, 2016, 6, 4017-4024.	11.2	118
35	Impact of the Spatial Organization of Bifunctional Metalâ€“Zeolite Catalysts on the Hydroisomerization of Light Alkanes. Angewandte Chemie - International Edition, 2020, 59, 3592-3600.	13.8	117
36	Combined Diffusion, Adsorption, and Reaction Studies of n-Hexane Hydroisomerization over Pt/Hâ€“Mordenite in an Oscillating Microbalance. Journal of Catalysis, 2001, 204, 272-280.	6.2	114

#	Article	IF	Citations
37	Copper Nitrate Redispersion To Arrive at Highly Active Silica-Supported Copper Catalysts. Journal of Physical Chemistry C, 2011, 115, 14698-14706.	3.1	112
38	Reversibility of the hydrogen desorption from NaBH4 by confinement in nanoporous carbon. Energy and Environmental Science, 2011, 4, 4108.	30.8	109
39	Effect of support surface treatment on the synthesis, structure, and performance of Co/CNT Fischerâ€“Tropsch catalysts. Journal of Catalysis, 2015, 328, 130-138.	6.2	107
40	On the Nature of Oxygen-Containing Surface Groups on Carbon Nanofibers and Their Role for Platinum Depositionâ€"An XPS and Titration Study. Journal of Physical Chemistry C, 2009, 113, 9865-9869.	3.1	104
41	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
42	Mesoporosity of Zeoliteâ€...Y: Quantitative Threeâ€Dimensional Study by Image Analysis of Electron Tomograms. Angewandte Chemie - International Edition, 2012, 51, 4213-4217.	13.8	103
43	The Size Dependence of Hydrogen Mobility and Sorption Kinetics for Carbonâ€Supported MgH₂ Particles. Advanced Functional Materials, 2014, 24, 3604-3611.	14.9	101
44	Fundamentals of Melt Infiltration for the Preparation of Supported Metal Catalysts. The Case of Co/SiO₂ for Fischerâˆ'Tropsch Synthesis. Journal of the American Chemical Society, 2010, 132, 18318-18325.	13.7	100
45	Visualizing Element Migration over Bifunctional Metalâ€Zeolite Catalysts and its Impact on Catalysis. Angewandte Chemie - International Edition, 2021, 60, 17735-17743.	13.8	99
46	Support Functionalization To Retard Ostwald Ripening in Copper Methanol Synthesis Catalysts. ACS Catalysis, 2015, 5, 4439-4448.	11.2	96
47	Title is missing!. Catalysis Letters, 2003, 89, 139-142.	2.6	94
48	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
49	Mesoporous mordenites obtained by sequential acid and alkaline treatments â€“ Catalysts for cumene production with enhanced accessibility. Journal of Catalysis, 2010, 276, 170-180.	6.2	90
50	Kinetics and mechanism of 5-hydroxymethylfurfural oxidation and their implications for catalyst development. Journal of Molecular Catalysis A, 2014, 388-389, 123-132.	4.8	89
51	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
52	Heterogeneities of the Nanostructure of Platinum/Zeolite Y Catalysts Revealed by Electron Tomography. ACS Nano, 2013, 7, 3698-3705.	14.6	85
53	Nanoparticle Growth in Supported Nickel Catalysts during Methanation Reactionâ€"Larger is Better. Angewandte Chemie - International Edition, 2014, 53, 9493-9497.	13.8	84
54	Suppression of Carbon Deposition in the Ironâ€Catalyzed Production of Lower Olefins from Synthesis Gas. Angewandte Chemie - International Edition, 2012, 51, 7190-7193.	13.8	80

#	Article	IF	Citations
55	Promoted cobalt metal catalysts suitable for the production of lower olefins from natural gas. Nature Communications, 2019, 10, 167.	12.8	79
56	Cobalt on carbon nanofiber catalysts: auspicious system for study of manganese promotion in Fischerâ€“Tropsch catalysis. Chemical Communications, 2005, , 731-733.	4.1	76
57	Effect of precursor on the catalytic performance of supported iron catalysts for the Fischerâ€“Tropsch synthesis of lower olefins. Catalysis Today, 2013, 215, 95-102.	4.4	76
58	Maximizing noble metal utilization in solid catalysts by control of nanoparticle location. Science, 2022, 377, 204-208.	12.6	73
59	Alkaline treatment on commercially available aluminum rich mordenite. Applied Catalysis A: General, 2010, 382, 65-72.	4.3	71
60	Freeze-drying for controlled nanoparticle distribution in Co/SiO 2 Fischerâ€“Tropsch catalysts. Journal of Catalysis, 2013, 297, 306-313.	6.2	68
61	Influence of Nanoscale Intimacy and Zeolite Micropore Size on the Performance of Bifunctional Catalysts for<i>n</i>-Heptane Hydroisomerization. ACS Catalysis, 2020, 10, 14245-14257.	11.2	68
62	Effects of Drying Conditions on the Synthesis of Co/SiO₂ and Co/Al₂O₃ Fischerâ€“Tropsch Catalysts. ACS Catalysis, 2014, 4, 3219-3226.	11.2	63
63	Preparation and particle size effects of Ag/Î±-Al2O3 catalysts for ethylene epoxidation. Journal of Catalysis, 2017, 356, 65-74.	6.2	63
64	Effects of loading and synthesis method of titania-supported cobalt catalysts for Fischerâ€“Tropsch synthesis. Catalysis Today, 2014, 228, 89-95.	4.4	61
65	Progress in electron tomography to assess the 3D nanostructure of catalysts. Current Opinion in Solid State and Materials Science, 2013, 17, 115-125.	11.5	60
66	Palladium nanoparticles confined in thiol-functionalized ordered mesoporous silica for more stable Heck and Suzuki catalysts. Catalysis Science and Technology, 2015, 5, 1919-1928.	4.1	59
67	A Highly Active and Selective Manganese Oxide Promoted Cobalt-on-Silica Fischerâ€“Tropsch Catalyst. Topics in Catalysis, 2011, 54, 768-777.	2.8	57
68	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
69	Fabrication of Fischerâ€“Tropsch Catalysts by Deposition of Iron Nanocrystals on Carbon Nanotubes. Advanced Functional Materials, 2015, 25, 5309-5319.	14.9	57
70	Superior Stability of Au/SiO₂ Compared to Au/TiO₂ Catalysts for the Selective Hydrogenation of Butadiene. ACS Catalysis, 2017, 7, 5594-5603.	11.2	56
71	Bifunctional Catalysis for the Conversion of Synthesis Gas to Olefins and Aromatics. ChemCatChem, 2018, 10, 1107-1112.	3.7	54
72	Visualizing Element Migration over Bifunctional Metalâ€Zeolite Catalysts and its Impact on Catalysis. Angewandte Chemie, 2021, 133, 17876-17884.	2.0	53

#	Article	IF	Citations
73	Effects of noble metal promotion for Co/TiO2 Fischer-Tropsch catalysts. Catalysis Today, 2016, 261, 60-66.	4.4	52
74	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
75	Revealing the Formation of Copper Nanoparticles from a Homogeneous Solid Precursor by Electron Microscopy. Journal of the American Chemical Society, 2016, 138, 3433-3442.	13.7	50
76	Effects of the Functionalization of the Ordered Mesoporous Carbon Support Surface on Iron Catalysts for the Fischerâ€“Tropsch Synthesis of Lower Olefins. ChemCatChem, 2017, 9, 620-628.	3.7	50
77	Impact of the Spatial Organization of Bifunctional Metalâ€“Zeolite Catalysts on the Hydroisomerization of Light Alkanes. Angewandte Chemie, 2020, 132, 3620-3628.	2.0	49
78	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
79	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
80	Controlling the Distribution of Supported Nanoparticles by Aqueous Synthesis. Chemistry of Materials, 2013, 25, 890-896.	6.7	44
81	Synergistic Promotion of Co/SiO₂ Fischerâ€“Tropsch Catalysts by Niobia and Platinum. ACS Catalysis, 2016, 6, 1616-1623.	11.2	44
82	Preparation of Cobalt Nanocrystals Supported on Metal Oxides To Study Particle Growth in Fischerâ€“Tropsch Catalysts. ACS Catalysis, 2018, 8, 10581-10589.	11.2	43
83	Activity of Nitrogen Containing Carbon Nanotubes in Base Catalyzed Knoevenagel Condensation. Topics in Catalysis, 2009, 52, 1575-1583.	2.8	42
84	Thermal stability of oxide-supported gold nanoparticles. Gold Bulletin, 2019, 52, 105-114.	2.4	42
85	Insight into the Effect of Dealumination on Mordenite Using Experimentally Validated Simulations. Journal of Physical Chemistry C, 2010, 114, 2056-2065.	3.1	41
86	Transformations of polyols to organic acids and hydrogen in aqueous alkaline media. Catalysis Science and Technology, 2014, 4, 2353-2366.	4.1	41
87	Surprised by selectivity. Science, 2016, 351, 1030-1031.	12.6	40
88	Cobaltâ€“Nickel Nanoparticles Supported on Reducible Oxides as Fischerâ€“Tropsch Catalysts. ACS Catalysis, 2020, 10, 7343-7354.	11.2	40
89	Atomic-Scale Investigation of the Structural and Electronic Properties of Cobaltâ€“Iron Bimetallic Fischerâ€“Tropsch Catalysts. ACS Catalysis, 2019, 9, 7998-8011.	11.2	37
90	Influence of precursor porosity on sodium and sulfur promoted iron/carbon Fischerâ€“Tropsch catalysts derived from metalâ€“organic frameworks. Chemical Communications, 2017, 53, 10204-10207.	4.1	36

#	Article	IF	Citations
91	Selective deoxygenation of stearic acid via an anhydride pathway. RSC Advances, 2012, 2, 9387.	3.6	35
92	Ordered Mesoporous Materials as Supports for Stable Iron Catalysts in the Fischerâ€“Tropsch Synthesis of Lower Olefins. ChemCatChem, 2016, 8, 2846-2852.	3.7	35
93	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
94	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
95	Effects of calcination and activation conditions on ordered mesoporous carbon supported iron catalysts for production of lower olefins from synthesis gas. Catalysis Science and Technology, 2016, 6, 8464-8473.	4.1	34
96	Enhanced reversibility of H2 sorption in nanoconfined complex metal hydrides by alkali metal addition. Journal of Materials Chemistry, 2012, 22, 13209.	6.7	32
97	Towards â€˜greenerâ€™ catalyst manufacture: Reduction of wastewater from the preparation of Cu/ZnO/Al2O3 methanol synthesis catalysts. Catalysis Today, 2013, 215, 142-151.	4.4	32
98	Control and assessment of plugging of mesopores in SBA-15 materials. Microporous and Mesoporous Materials, 2013, 170, 340-345.	4.4	31
99	Cobalt nanocrystals on carbon nanotubes in the Fischer-Tropsch synthesis: Impact of support oxidation. Applied Catalysis A: General, 2020, 593, 117441.	4.3	31
100	Impact of heterogeneities in silica-supported copper catalysts on their stability for methanol synthesis. Journal of Catalysis, 2018, 365, 1-9.	6.2	30
101	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
102	Tailoring the Window Sizes to Control the Local Concentration and Activity of (salen)Co Catalysts in Plugged Nanochannels of SBAâ€•15 Materials. Angewandte Chemie - International Edition, 2013, 52, 10854-10857.	13.8	28
103	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
104	Systematic variation of the sodium/sulfur promoter content on carbon-supported iron catalysts for the Fischerâ€“Tropsch to olefins reaction. Journal of Energy Chemistry, 2016, 25, 985-993.	12.9	25
105	Gasâ€Phase Model Studies Relevant to the Decomposition of Transitionâ€Metal Nitrates M(NO₃)₂ (M = Co, Ni) into Metalâ€“Oxo Species. European Journal of Inorganic Chemistry, 2009, 2009, 2121-2128.	2.0	24
106	Bifunctional molybdenum oxide/acid catalysts for hydroisomerization of n-heptane. Journal of Catalysis, 2020, 390, 161-169.	6.2	24
107	On the superior activity and selectivity of PtCo/Nb2O5 Fischer Tropsch catalysts. Journal of Catalysis, 2016, 340, 270-275.	6.2	23
108	Mesoscale Characterization of Nanoparticles Distribution Using Xâ€ray Scattering. Angewandte Chemie - International Edition, 2015, 54, 11804-11808.	13.8	22

#	Article	IF	Citations
109	Crystalline niobia with tailored porosity as support for cobalt catalysts for the Fischerâ€“Tropsch synthesis. Applied Catalysis A: General, 2017, 548, 143-149.	4.3	22
110	Synthesis of Mg2Cu nanoparticles on carbon supports with enhanced hydrogen sorption kinetics. Journal of Materials Chemistry A, 2013, 1, 9983.	10.3	21
111	Silicaâ€Supported Auâ€“Ag Catalysts for the Selective Hydrogenation of Butadiene. ChemCatChem, 2017, 9, 2418-2425.	3.7	21
112	Anisotropic Shape Changes of Silica Nanoparticles Induced in Liquid with Scanning Transmission Electron Microscopy. Small, 2017, 13, 1602466.	10.0	21
113	Assembly and activation of supported cobalt nanocrystal catalysts for the Fischerâ€“Tropsch synthesis. Chemical Communications, 2018, 54, 2530-2533.	4.1	21
114	Pd L3edge XANES investigation of the electronic and geometric structure of Pd/Agâ€“H membranes. Physical Chemistry Chemical Physics, 2004, 6, 3903-3906.	2.8	20
115	Encapsulation of chiral Fe(salen) in mesoporous silica structures for use as catalysts to produce optically active sulfoxides. Catalysis Science and Technology, 2016, 6, 5124-5133.	4.1	20
116	Influence of intimacy for metal-mesoporous solid acids catalysts for<i>n</i>-alkanes hydro-conversion. Catalysis Science and Technology, 2020, 10, 2111-2119.	4.1	20
117	Influence of Metal Deposition and Activation Method on the Structure and Performance of Carbon Nanotube Supported Palladium Catalysts. ChemCatChem, 2018, 10, 1552-1555.	3.7	19
118	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
119	Isomeric periodic mesoporous organosilicas with controllable properties. Journal of Materials Chemistry, 2009, 19, 8839.	6.7	18
120	Carbon Nanofiber-Supported K₂CO₃ as an Efficient Low-Temperature Regenerable CO₂ Sorbent for Post-Combustion Capture. Industrial & Engineering Chemistry Research, 2013, 52, 12812-12818.	3.7	18
121	Highly Selective and Active Niobia-Supported Cobalt Catalysts for Fischerâ€“Tropsch Synthesis. Topics in Catalysis, 2014, 57, 445-450.	2.8	18
122	Stable niobia-supported nickel catalysts for the hydrogenation of carbon monoxide to hydrocarbons. Catalysis Today, 2020, 343, 56-62.	4.4	18
123	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
124	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
125	Impact of Niobium in the Metalâ€“Organic Framework-Mediated Synthesis of Co-Based Catalysts for Synthesis Gas Conversion. Catalysis Letters, 2019, 149, 3279-3286.	2.6	16
126	The Origin of Metal Loading Heterogeneities in Pt/Zeolite Y Bifunctional Catalysts. ChemCatChem, 2019, 11, 4081-4088.	3.7	15

#	Article	IF	Citations
127	Reducibility of Platinum Supported on Nanostructured Carbons. Topics in Catalysis, 2009, 52, 424-430.	2.8	14
128	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. Creyghton for physical data and useful discussions, and Shell International Chemicals and Zeol. Angewandte Chemie - International Edition, 2001, 40, 1102-1104.	13.8	14
129	In-Situ 2p3d Resonant Inelastic X-ray Scattering Tracking Cobalt Nanoparticle Reduction. Journal of Physical Chemistry C, 2017, 121, 17450-17456.	3.1	13
130	Assessment of the Location of Pt Nanoparticles in Pt/zeolite Y/Î³â€Al₂O₃ Composite Catalysts. ChemCatChem, 2020, 12, 615-622.	3.7	13
131	The application of well-dispersed nickel nanoparticles inside the mesopores of MCM-41 by use of a nickel citrate chelate as precursor. Studies in Surface Science and Catalysis, 2000, 143, 647-657.	1.5	12
132	Origin and prevention of broad particle size distributions in carbon-supported palladium catalysts prepared by liquid-phase reduction. Journal of Catalysis, 2019, 375, 448-455.	6.2	12
133	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
134	The Influence of Residual Chlorine on Pt/Zeolite Y/Î³-Al2O3 Composite Catalysts: Acidity and Performance. Applied Catalysis A: General, 2020, 605, 117815.	4.3	12
135	H2PtCl6-derived Pt nanoparticles on USY zeolite: A qualitative and quantitative electron tomography study. Microporous and Mesoporous Materials, 2012, 164, 99-103.	4.4	11
136	Origin and Abatement of Heterogeneity at the Support Granule Scale of Silver on Silica Catalysts. ChemCatChem, 2017, 9, 4562-4569.	3.7	11
137	Attachment of Iron Oxide Nanoparticles to Carbon Nanotubes and the Consequences for Catalysis. ChemCatChem, 2018, 10, 3388-3391.	3.7	11
138	Attachment of iron oxide nanoparticles to carbon nanofibers studied by in-situ liquid phase transmission electron microscopy. Micron, 2019, 117, 40-46.	2.2	11
139	Nanoscale Imaging and Stabilization of Silica Nanospheres in Liquid Phase Transmission Electron Microscopy. Particle and Particle Systems Characterization, 2019, 36, 1800374.	2.3	11
140	XAFS Study of the Al K-Edge in NaAlH4. Journal of Physical Chemistry C, 2007, 111, 11721-11725.	3.1	10
141	Shaping of Solid Catalysts. , 0, , 173-199.		10
142	Mapping nanocavities in plugged SBA-15 with confined silver nanostructures. Microporous and Mesoporous Materials, 2015, 201, 234-239.	4.4	10
143	The platinum rush. Nature Materials, 2017, 16, 7-8.	27.5	9
144	Assessment of oxide nanoparticle stability in liquid phase transmission electron microscopy. Nano Research, 2019, 12, 2355-2363.	10.4	7

#	Article	IF	Citations
145	Quantitative morphological studies of mesoporous catalysts at nanometer scale resolution. Studies in Surface Science and Catalysis, 2005, 158, 633-638.	1.5	6
146	Stability of Colloidal Iron Oxide Nanoparticles on Titania and Silica Support. Chemistry of Materials, 2020, 32, 5226-5235.	6.7	6
147	Architecture at the Nanoscaleâ€"Selfâ€Pillared Zeolite Nanosheets. ChemCatChem, 2013, 5, 417-418.	3.7	5
148	Synthesis of heterogeneous base catalysts: nitrogen containing carbon nanotubes. Studies in Surface Science and Catalysis, 2006, 162, 29-36.	1.5	4
149	Supported silver catalysts prepared via melt infiltration: Synthesis, characterization and performance in selective hydrogenation. Catalysis Today, 2021, 375, 393-400.	4.4	4
150	Ordered Mesoporous Materials. , 0, , 277-300.		4
151	Hydrotreating Catalysts. , 0, , 301-328.		3
152	Torn between two sites. Nature Materials, 2020, 19, 5-6.	27.5	3
153	Disk-Shaped Cobalt Nanocrystals as Fischerâ€“Tropsch Synthesis Catalysts Under Industrially Relevant Conditions. Topics in Catalysis, 2020, 63, 1398-1411.	2.8	3
154	Utilization of Silver Silicate for the Formation of Highly Dispersed Silver on Silica Catalysts. ChemCatChem, 2022, 14, .	3.7	3
155	Gold Catalysts. , 0, , 369-391.		2
156	Interfacial Chemistry. , 0, , 13-31.		2
157	3D Nanoscale Analysis of Zeolite Catalysts by Electron Tomography and Image Processing. Microscopy and Microanalysis, 2014, 20, 784-785.	0.4	2
158	Time lapse liquid phase scanning transmission electron microscopy of nanoparticles. Microscopy and Microanalysis, 2017, 23, 856-857.	0.4	2
159	CATALYTIC PROCESSES FOR HIGH-QUALITY TRANSPORTATION FUELS. Catalytic Science Series, 1999, , 57-85.	0.0	1
160	Diffusion Mechanisms for Ions over Hydroxylated Surfaces: Cu on Î³-Al₂O₃. Journal of Physical Chemistry C, 2019, 123, 18502-18507.	3.1	1
161	Space and Time-Resolved Spectroscopy of Catalyst Bodies. , 0, , 201-216.		1
162	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

#	Article	IF	Citations
163	Manipulating Size and Shape of Silica Nanoparticles with Liquid-Phase Transmission Electron Microscopy. Microscopy and Microanalysis, 2015, 21, 1129-1130.	0.4	0
164	Stability of Silicon Dioxide in Liquid Phase TEM. Microscopy and Microanalysis, 2017, 23, 868-869.	0.4	0