JÃ¶rg Radnik

List of Publications by Year
in descending order

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172 papers	9,861 citations	50244 46 h-index	38368 95 g-index
182 all docs	182 docs citations	182 times ranked	11786 citing authors

#	Article	IF	Citations
1	Sizeâ€Tunable Niâ€“Cu Coreâ€“Shell Nanoparticlesâ€”Structure, Composition, and Catalytic Activity for the Reverse Waterâ€“Gas Shift Reaction. Advanced Engineering Materials, 2022, 24, .	1.6	4
2	Ionic liquid [PMIM]+[NTf2]â^' (SolarpurÂ®) characterized by XPS. Surface Science Spectra, 2022, 29, 014001.	0.3	5
3	Automation and Standardizationâ€”A Coupled Approach towards Reproducible Sample Preparation Protocols for Nanomaterial Analysis. Molecules, 2022, 27, 985.	1.7	0
4	Composition, thickness, and homogeneity of the coating of coreâ€“shell nanoparticlesâ€”possibilities, limits, and challenges of X-ray photoelectron spectroscopy. Analytical and Bioanalytical Chemistry, 2022, , 1.	1.9	3
5	The comparison of the corrosion behavior of the CrCoNi medium entropy alloy and CrMnFeCoNi high entropy alloy. Applied Surface Science, 2022, 601, 154171.	3.1	24
6	Mussel-inspired multifunctional coating for bacterial infection prevention and osteogenic induction. Journal of Materials Science and Technology, 2021, 68, 160-171.	5.6	6
7	Preconditioning of AISI 304 stainless steel surfaces in the presence of flavinsâ€”Part I: Effect on surface chemistry and corrosion behavior. Materials and Corrosion - Werkstoffe Und Korrosion, 2021, 72, 974-982.	0.8	6
8	Enrichment of aluminium in the nearâ€surface region of natural quartzite rock after aluminium exposure. Surface and Interface Analysis, 2021, 53, 385-391.	0.8	0
9	Application of near-ambient pressure X-ray photoelectron spectroscopy (NAP-XPS) in an in-situ analysis of the stability of the surface-supported metal-organic framework HKUST-1 in water, methanol and pyridine atmospheres. Journal of Electron Spectroscopy and Related Phenomena, 2021, 247, 147042.	0.8	11
10	Graphene Sheets with Defined Dual Functionalities for the Strong SARSâ€CoVâ€2 Interactions. Small, 2021, 17, e2007091.	5.2	42
11	Chemical inâ€depth analysis of (Ca/Sr)F₂ coreâ€“shell like nanoparticles by Xâ€ray photoelectron spectroscopy with tunable excitation energy. Surface and Interface Analysis, 2021, 53, 494-508.	0.8	6
12	Grapheneâ€Assisted Synthesis of 2D Polyglycerols as Innovative Platforms for Multivalent Virus Interactions. Advanced Functional Materials, 2021, 31, 2009003.	7.8	9
13	Reliable Surface Analysis Data of Nanomaterials in Support of Risk Assessment Based on Minimum Information Requirements. Nanomaterials, 2021, 11, 639.	1.9	7
14	Surface galvanic formation of Co-OH on Birnessite and its catalytic activity for the oxygen evolution reaction. Journal of Catalysis, 2021, 396, 304-314.	3.1	5
15	In situ monitoring of the influence of water on DNA radiation damage by near-ambient pressure X-ray photoelectron spectroscopy. Communications Chemistry, 2021, 4, .	2.0	13
16	Wrapping and Blocking of Influenza A Viruses by Sialylated 2D Nanoplatforms. Advanced Materials Interfaces, 2021, 8, 2100285.	1.9	17
17	From Nanoparticle Heteroclusters to Filament Networks by Self-Assembly at the Waterâ€“Oil Interface of Reverse Microemulsions. Langmuir, 2021, 37, 8876-8885.	1.6	6
18	Benchmarking the ACEnano Toolbox for Characterisation of Nanoparticle Size and Concentration by Interlaboratory Comparisons. Molecules, 2021, 26, 5315.	1.7	2

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19	Energy dependent XPS measurements on thin films of a poly(vinyl methyl ether)/polystyrene blend concentration profile on a nanometer resolution to understand the behavior of nanofilms. Soft Matter, 2021, 17, 6985-6994.	1.2	2
20	Particle size-controlled synthesis of high-performance MnCo-based materials for alkaline OER at fluctuating potentials. Catalysis Science and Technology, 2021, 11, 7278-7286.	2.1	8
21	1-Propyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide (SolarpurÂ®) analyzed by hard x-ray photoelectron spectroscopy. Surface Science Spectra, 2021, 28, 024006.	0.3	2
22	Assessing Optical and Electrical Properties of Highly Active IrO_x Catalysts for the Electrochemical Oxygen Evolution Reaction via Spectroscopic Ellipsometry. ACS Catalysis, 2020, 10, 14210-14223.	5.5	17
23	Assessing the protective effects of different surface coatings on NaYF4:Yb3+, Er3+ upconverting nanoparticles in buffer and DMEM. Scientific Reports, 2020, 10, 19318.	1.6	27
24	Iron and Manganese Containing Multiâ€Walled Carbon Nanotubes as Electrocatalysts for the Oxygen Evolution Reaction â€•Unravelling Influences on Activity and Stability. ChemCatChem, 2020, 12, 5378-5384.	1.8	10
25	Role of Water in Phase Transformations and Crystallization of Ferrihydrite and Hematite. ACS Applied Materials & Interfaces, 2020, 12, 38714-38722.	4.0	10
26	A new test specimen for the determination of the field of view of smallâ€area Xâ€ray photoelectron spectrometers. Surface and Interface Analysis, 2020, 52, 890-894.	0.8	0
27	Combining HR-TEM and XPS to elucidate the coreâ€“shell structure of ultrabright CdSe/CdS semiconductor quantum dots. Scientific Reports, 2020, 10, 20712.	1.6	15
28	Surfaceâ€Initiated Grafting of Dendritic Polyglycerol from Musselâ€Inspired Adhesionâ€Layers for the Creation of Cellâ€Repelling Coatings. Advanced Materials Interfaces, 2020, 7, 2000931.	1.9	3
29	Spectroscopy in Catalysis. Catalysts, 2020, 10, 408.	1.6	1
30	How the rock-inhabiting fungus K. petricola A95 enhances olivine dissolution through attachment. Geochimica Et Cosmochimica Acta, 2020, 282, 76-97.	1.6	28
31	Nanoanalytical Identification of Siderite Dissolution-Coupled Pb Removal Mechanisms from Oxic and Anoxic Aqueous Solutions. ACS Earth and Space Chemistry, 2020, 4, 1966-1977.	1.2	2
32	Versailles Project on Advanced Materials and Standards interlaboratory study on intensity calibration for x-ray photoelectron spectroscopy instruments using low-density polyethylene. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, 063208.	0.9	21
33	Preparation of Nanoparticles for ToF-SIMS and XPS Analysis. Journal of Visualized Experiments, 2020, , .	0.2	7
34	Dye activation of heterogeneous Copper(II)-Species for visible light driven hydrogen generation. International Journal of Hydrogen Energy, 2019, 44, 28409-28420.	3.8	4
35	Adsorption and Reduction of Arsenate during the Fe²⁺-Induced Transformation of Ferrihydrite. ACS Earth and Space Chemistry, 2019, 3, 884-894.	1.2	50
36	Identifying the location of Cu ions in nanostructured SAPO-5 molecular sieves and its impact on the redox properties. RSC Advances, 2019, 9, 6429-6437.	1.7	2

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37	Determining the Thickness and Completeness of the Shell of Polymer Coreâ€“Shell Nanoparticles by X-ray Photoelectron Spectroscopy, Secondary Ion Mass Spectrometry, and Transmission Scanning Electron Microscopy. Journal of Physical Chemistry C, 2019, 123, 29765-29775.	1.5	21
38	Analytical approach for characterization of morphology and chemistry of a CH₃NH₃PbI₃/TiO₂ solar cell layered system. Surface and Interface Analysis, 2018, 50, 1234-1238.	0.8	2
39	Passivity of alloy 31 in greenâ€death solution. Materials and Corrosion - Werkstoffe Und Korrosion, 2018, 69, 1218-1226.	0.8	1
40	Influence of V-sources on the catalytic performance of VMCM-41 in the selective oxidation of methane to formaldehyde. Catalysis Communications, 2018, 103, 56-59.	1.6	18
41	Structural Changes of Highly Active Pd/MeOx (Me = Fe, Co, Ni) during Catalytic Methane Combustion. Catalysts, 2018, 8, 42.	1.6	15
42	Beyond Shape Engineering of TiO₂ Nanoparticles: Post-Synthesis Treatment Dependence of Surface Hydration, Hydroxylation, Lewis Acidity and Photocatalytic Activity of TiO₂ Anatase Nanoparticles with Dominant {001} or {101} Facets. ACS Applied Nano Materials, 2018, 1, 5355-5365.	2.4	102
43	Efficient VO_x/Ce_{1â€“x}Ti_xO₂ Catalysts for Low-Temperature NH₃-SCR: Reaction Mechanism and Active Sites Assessed by in Situ/Operando Spectroscopy. ACS Catalysis, 2017, 7, 1693-1705.	5.5	167
44	Selective Semihydrogenation of Alkynes with N-Graphitic-Modified Cobalt Nanoparticles Supported on Silica. ACS Catalysis, 2017, 7, 1526-1532.	5.5	110
45	Low-temperature CO2 reforming of methane over Ni supported on ZnAl mixed metal oxides. International Journal of Hydrogen Energy, 2017, 42, 9831-9839.	3.8	26
46	Influence of Sb on the Structure and Performance of Pd-Based Catalysts: An X-ray Spectroscopic Study. Journal of Physical Chemistry C, 2017, 121, 3854-3861.	1.5	8
47	Co-based heterogeneous catalysts from well-defined Î±-diimine complexes: Discussing the role of nitrogen. Journal of Catalysis, 2017, 351, 79-89.	3.1	65
48	H₂ Generation with (Mixed) Plasmonic Cu/Auâ€TiO₂ Photocatalysts: Structureâ€“Reactivity Relationships Assessed by in situ Spectroscopy. ChemCatChem, 2017, 9, 1025-1031.	1.8	27
49	A Biomassâ€Derived Nonâ€Noble Cobalt Catalyst for Selective Hydrodehalogenation of Alkyl and (Hetero)Aryl Halides. Angewandte Chemie - International Edition, 2017, 56, 11242-11247.	7.2	83
50	A Biomassâ€Derived Nonâ€Noble Cobalt Catalyst for Selective Hydrodehalogenation of Alkyl and (Hetero)Aryl Halides. Angewandte Chemie, 2017, 129, 11394-11399.	1.6	24
51	Synthesis and Performance of Nano Silver Coated ZSM-5/SBA-15. Journal of Nanoscience and Nanotechnology, 2017, 17, 1813-1819.	0.9	0
52	MOF-derived cobalt nanoparticles catalyze a general synthesis of amines. Science, 2017, 358, 326-332.	6.0	604
53	Complementary Methodical Approach for the Analysis of a Perovskite Solar Cell Layered System. Microscopy and Microanalysis, 2017, 23, 1978-1979.	0.2	1
54	Development of Active and Stable Low Nickel Content Catalysts for Dry Reforming of Methane. Catalysts, 2017, 7, 157.	1.6	43

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55	Unraveling the Dynamics of Nanoscopically Confined PVME in Thin Films of a Miscible PVME/PS Blend. ACS Applied Materials & Interfaces, 2017, 9, 37289-37299.	4.0	15
56	Probing the Structural Changes and Redox Behavior of Mixed Molybdate Catalysts under Ammoxidation Conditions: An Operando Raman Spectroscopy Study. ChemCatChem, 2016, 8, 976-983.	1.8	15
57	Nature of surface carbon species and pathways of their formation in the heterogeneously catalysed acetoxylation of toluene. Catalysis Science and Technology, 2016, 6, 6011-6021.	2.1	0
58	Structure-reactivity relationships in VOx/CexZr1â^'xO2 catalysts used for low-temperature NH3-SCR of NO. Applied Catalysis B: Environmental, 2016, 197, 159-167.	10.8	49
59	Surface tungsten reduction during thermal decomposition of ammonium paratungstate tetrahydrate in oxidising atmosphere: A paradox?. Thermochimica Acta, 2016, 633, 77-81.	1.2	5
60	Effect of support synthesis methods on structure and performance of VOx/CeO2 catalysts in low-temperature NH3-SCR of NO. Catalysis Communications, 2016, 84, 171-174.	1.6	17
61	Highly selective hydrogenation of arenes using nanostructured ruthenium catalysts modified with a carbonâ€“nitrogen matrix. Nature Communications, 2016, 7, 11326.	5.8	179
62	Tracing Active Sites in Supported Ni Catalysts during Butene Oligomerization by Operando Spectroscopy under Pressure. ACS Catalysis, 2016, 6, 8224-8228.	5.5	37
63	Stable and Inert Cobalt Catalysts for Highly Selective and Practical Hydrogenation of Câ‰¡N and Câ•O Bonds. Journal of the American Chemical Society, 2016, 138, 8781-8788.	6.6	118
64	Bulk binary ZrO₂-based oxides as highly active alternative-type catalysts for non-oxidative isobutane dehydrogenation. Chemical Communications, 2016, 52, 8164-8167.	2.2	51
65	Synergistic effect in the oxidation of benzyl alcohol using citrate-stabilized gold bimetallic nanoparticles supported on alumina. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	12
66	Synthesis of Nickel Nanoparticles with Nâ€Doped Graphene Shells for Catalytic Reduction Reactions. ChemCatChem, 2016, 8, 129-134.	1.8	66
67	Oxidative dehydrogenation of ethane to ethylene over Niâ€“Nbâ€“Mâ€“O catalysts: Effect of promoter metal and CO2-admixture on the performance. Catalysis Today, 2016, 264, 144-151.	2.2	34
68	Cold gas spraying â€“ A promising technique for photoelectrodes. Catalysis Today, 2016, 260, 140-147.	2.2	14
69	Palladium in Heterogeneous Oxidation Catalysis. Advances in Chemical and Materials Engineering Book Series, 2016, , 53-81.	0.2	0
70	New Insights into the Nature of Coâ€components and Their Impact on Pd Structure: Xâ€ray Absorption Studies on Toluene Acetoxylation Catalysts. Chemistry - A European Journal, 2015, 21, 15280-15289.	1.7	7
71	Cobalt-based nanocatalysts for green oxidation and hydrogenation processes. Nature Protocols, 2015, 10, 916-926.	5.5	115
72	Catalytic role and location of Cs promoter in Csâ€“Au/TiO2 catalysts for propanol synthesis from CO2, C2H4 and H2. Applied Catalysis B: Environmental, 2015, 176-177, 570-577.	10.8	15

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73	Synthesis and comparative study of the photocatalytic performance of hierarchically porous polymeric carbon nitrides. Microporous and Mesoporous Materials, 2015, 211, 182-191.	2.2	30
74	Solar Hydrogen Production by Plasmonic Auâ€“TiO₂ Catalysts: Impact of Synthesis Protocol and TiO₂ Phase on Charge Transfer Efficiency and H₂ Evolution Rates. ACS Catalysis, 2015, 5, 2137-2148.	5.5	201
75	Impact of the outermost layer of various solid metal vanadate catalysts on ammoxidation of 2-methyl pyrazine to 2-cyanopyrazine. Catalysis Communications, 2015, 71, 97-101.	1.6	6
76	Study on the Synthesis and Characterization of Nano Silver Loaded ZSM-5 Zeolite for Bacterial Elimination. Journal of Nanoscience and Nanotechnology, 2015, 15, 7275-7279.	0.9	1
77	Selective Catalytic Hydrogenation of Heteroarenes with N-Graphene-Modified Cobalt Nanoparticles (Co₃O₄â€“Co/NGr@Î±-Al₂O₃). Journal of the American Chemical Society, 2015, 137, 11718-11724.	6.6	223
78	Highly selective transfer hydrogenation of functionalised nitroarenes using cobalt-based nanocatalysts. Green Chemistry, 2015, 17, 898-902.	4.6	127
79	In Situ Non-Vibrational Characterization Techniques to Analyse Oxidation Catalysts and Mechanisms. , 2014, , 496-548.		0
80	Influence of support on the aerobic oxidation of HMF into FDCA over preformed Pd nanoparticle based materials. Applied Catalysis A: General, 2014, 478, 107-116.	2.2	115
81	Spin density distribution after electron transfer from triethylamine to an [Ir(ppy)2(bpy)]+ photosensitizer during photocatalytic water reduction. Physical Chemistry Chemical Physics, 2014, 16, 4789.	1.3	40
82	Control of Bridging Ligands in [(V2O3)2(RXO3)4âŠ‚F]â¯ Cage Complexes: A Unique Way To Tune Their Chemical Properties. Organometallics, 2014, 33, 4905-4910.	1.1	6
83	Oxidative Dehydrogenation of Ethane to Ethylene over V₂O₅/Al₂O₃ Catalysts: Effect of Source of Alumina on the Catalytic Performance. Industrial & Engineering Chemistry Research, 2014, 53, 18711-18721.	1.8	46
84	Copper-based water reduction catalysts for efficient light-driven hydrogen generation. Journal of Molecular Catalysis A, 2014, 395, 449-456.	4.8	20
85	Hydrodeoxygenation of Phenol as a Model Compound for Bioâ€oil on Nonâ€noble Bimetallic Nickelâ€based Catalysts. ChemCatChem, 2014, 6, 1940-1951.	1.8	95
86	Convenient and Mild Epoxidation of Alkenes Using Heterogeneous Cobalt Oxide Catalysts. Angewandte Chemie - International Edition, 2014, 53, 4359-4363.	7.2	143
87	Ternary VZrAlON Oxynitrides - Efficient Catalysts for the Ammoxidation of 3-Picoline. ACS Catalysis, 2014, 4, 2687-2695.	5.5	10
88	Structureâ€“Activity Relationships in Bulk Polymeric and Solâ€“Gel-Derived Carbon Nitrides during Photocatalytic Hydrogen Production. Chemistry of Materials, 2014, 26, 1727-1733.	3.2	108
89	Nanoscale Fe ₂ O ₃ -Based Catalysts for Selective Hydrogenation of Nitroarenes to Anilines. Science, 2013, 342, 1073-1076.	6.0	868
90	Selective hydroformylation of olefins over the rhodium supported large porous metalâ€“organic framework MIL-101. Applied Catalysis A: General, 2013, 468, 410-417.	2.2	46

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91	Rutile â€“ A superior support for highly selective and stable Pd-based catalysts in the gas-phase acetoxylation of toluene. Journal of Catalysis, 2013, 297, 256-263.	3.1	13
92	Oxidative dehydrogenation of ethane to ethylene over V2O5/Nb2O5 catalysts. Catalysis Communications, 2013, 30, 45-50.	1.6	19
93	The Impact of Reaction Pressure on the Catalytic Performance of the Pdï£¿Sb/TiO₂ Catalyst in the Acetoxylation of Toluene into Benzyl Acetate. ChemCatChem, 2013, 5, 185-191.	1.8	6
94	Hydroformylation of olefins over rhodium supported metal-organic framework catalysts of different structure. Microporous and Mesoporous Materials, 2013, 177, 135-142.	2.2	42
95	Selective Oxidation of Alcohols to Esters Using Heterogeneous Co₃O₄â€“N@C Catalysts under Mild Conditions. Journal of the American Chemical Society, 2013, 135, 10776-10782.	6.6	334
96	Heterogenized cobalt oxide catalysts for nitroarene reduction by pyrolysis of molecularly defined complexes. Nature Chemistry, 2013, 5, 537-543.	6.6	633
97	Surface aspects of solâ€“gel derived hematite films for the photoelectrochemical oxidation of water. Physical Chemistry Chemical Physics, 2013, 15, 1389-1398.	1.3	33
98	Tuning the Electronic and Spin Complexity in Organicâ€“Inorganic Molecular Hybrid Compounds. Chemistry - A European Journal, 2012, 18, 6433-6436.	1.7	9
99	Strong metalâ€“support interaction as activity requirement of palladium-supported tin oxide solâ€“gel catalyst for water denitration. International Journal of Environmental Science and Technology, 2012, 9, 235-246.	1.8	3
100	Tuning the surface composition of novel metal vanadates and its effect on the catalytic performance. Chemical Communications, 2011, 47, 8394.	2.2	22
101	Influence of the Electron-Density of FeN[sub 4]-Centers Towards the Catalytic Activity of Pyrolyzed FeTMPPCl-Based ORR-Electrocatalysts. Journal of the Electrochemical Society, 2011, 158, B69.	1.3	179
102	Levitated Droplets as Model System for Spray Drying of Complex Oxides: A Simultaneous in Situ X-ray Diffraction/Raman Study. Chemistry of Materials, 2011, 23, 5425-5431.	3.2	19
103	Impact of phosphorus and nitrogen on structure and catalytic performance of VZrPON oxynitrides in the ammoxidation of 3-picoline. Journal of Catalysis, 2011, 277, 196-207.	3.1	13
104	Mechanistic origins of the promoting effect of tiny amounts of Rh on the performance of NiOx/Al2O3 in partial oxidation of methane. Journal of Catalysis, 2011, 280, 116-124.	3.1	40
105	Deactivation and regeneration studies of a PdSb/TiO2 catalyst used in the gas-phase acetoxylation of toluene. Journal of Catalysis, 2011, 282, 103-111.	3.1	11
106	Impact of Coâ€Components on the State of Pd and the Performance of Supported Pd/TiO₂ Catalysts in the Gasâ€Phase Acetoxylation of Toluene. ChemCatChem, 2011, 3, 1893-1901.	1.8	14
107	Optimization of Reaction Conditions and Regeneration Procedure of the PdSb/TiO2 Catalyst for Acetoxylation of Toluene. Topics in Catalysis, 2011, 54, 1197-1205.	1.3	3
108	Key properties promoting high activity and stability of supported PdSb/TiO2 catalysts in the acetoxylation of toluene to benzyl acetate. Applied Catalysis A: General, 2011, 398, 104-112.	2.2	18

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109	TPR investigations on the reducibility of Cu supported on Al2O3, zeolite Y and SAPO-5. Journal of Solid State Chemistry, 2011, 184, 1915-1923.	1.4	53
110	Improved Platinum Electrocatalyst for the Oxygen Reduction Reaction Using Nitrogen-Modified Carbon Support. ECS Transactions, 2011, 41, 1161-1171.	0.3	5
111	Flying droplets as model system for spray dryingâ€"An in situ synchrotron X-ray scattering study on complex oxides catalyst precursors. Catalysis Today, 2010, 155, 326-330.	2.2	7
112	How a Supported Metal Is Influenced by an Ionic Liquid: In-Depth Characterization of SCILL-Type Palladium Catalysts and Their Hydrogen Adsorption. Journal of Physical Chemistry C, 2010, 114, 10520-10526.	1.5	79
113	Tailoring the synthesis of supported Pd catalysts towards desired structure and size of metal particles. Physical Chemistry Chemical Physics, 2010, 12, 4833.	1.3	15
114	Influence of Sulfur on the Pyrolysis of CoTMPP as Electrocatalyst for the Oxygen Reduction Reaction. Journal of the Electrochemical Society, 2009, 156, B1283.	1.3	136
115	On the Influence of Sulphur on the Pyrolysis Process of FeTMPP-Cl-based Electro-Catalysts with Respect to Oxygen Reduction Reaction (ORR) in Acidic Media. ECS Transactions, 2009, 25, 659-670.	0.3	38
116	New Insight into the Nature of Catalytic Activity of Pyrolysed Iron Porphyrin Based Electro-Catalysts for the Oxygen Reduction Reaction (ORR) in Acidic Media. ECS Transactions, 2009, 25, 93-104.	0.3	16
117	Bimetallic PdAuâ€"KOac/SiO2 catalysts for vinyl acetate monomer (VAM) synthesis: Insights into deactivation under industrial conditions. Journal of Catalysis, 2009, 262, 314-323.	3.1	37
118	Linking Simultaneous In Situ WAXS/SAXS/Raman with Raman/ATR/UVâ€"vis Spectroscopy: Comprehensive Insight into the Synthesis of Molybdate Catalyst Precursors. Topics in Catalysis, 2009, 52, 1350-1359.	1.3	35
119	Influence of steel composition and pre-treatment conditions on morphology and microstructure of TiO2 mesoporous layers produced by dip coating on steel substrates. Thin Solid Films, 2009, 518, 27-35.	0.8	26
120	Palladium-catalysed vapour phase aerobic acetoxylation of toluene to benzyl acetate. Catalysis Today, 2009, 141, 317-324.	2.2	8
121	Oxidation of alcohols using RuMnCe catalysts. Applied Catalysis A: General, 2009, 366, 212-219.	2.2	10
122	Vanadiumâ€Containing Oxynitrides: Effective Catalysts for the Ammoxidation of 3â€Picoline. ChemCatChem, 2009, 1, 485-491.	1.8	11
123	Green and Efficient Synthesis of Sulfonamides Catalyzed by Nano-Ru/Fe₃O₄. Journal of the American Chemical Society, 2009, 131, 1775-1779.	6.6	232
124	Development of Ni-Pd bimetallic catalysts for the utilization of carbon dioxide and methane by dry reforming. Applied Catalysis A: General, 2009, 366, 333-341.	2.2	152
125	Carbonâ€Carbon Double Bond versus Carbonyl Group Hydrogenation: Controlling the Intramolecular Selectivity with Polyanilineâ€Supported Platinum Catalysts. Advanced Synthesis and Catalysis, 2008, 350, 1337-1348.	2.1	35
126	Nano-iron oxide-catalyzed selective oxidations of alcohols and olefins with hydrogen peroxide. Journal of Molecular Catalysis A, 2008, 292, 28-35.	4.8	108

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127	Catalytic and Mechanistic Investigation of Polyaniline Supported PtO₂ Nanoparticles: A Combined in situ/operando EPR, DRIFTS, and EXAFS Study. Journal of Physical Chemistry C, 2008, 112, 19555-19559.	1.5	23
128	Solâ€“gel synthesis of metal fluoride supported Pd catalysts for Suzuki coupling. Journal of Materials Chemistry, 2008, 18, 1632.	6.7	18
129	Plasma chemical preparation and characterization of perovskite-type mixed oxides. Progress in Solid State Chemistry, 2007, 35, 249-255.	3.9	3
130	Surface Modified Ruthenium Nanoparticles:â€‰ Structural Investigation and Surface Analysis of a Novel Catalyst for Oxygen Reduction. Journal of Physical Chemistry C, 2007, 111, 477-487.	1.5	47
131	First Knowledge on the Formation of Novel Coreâˆ'Shell Structures in PdCu Catalysts and Their Influence on the Prevention of Catalyst Deactivation. Journal of Physical Chemistry C, 2007, 111, 10166-10169.	1.5	11
132	Influence of reaction conditions on catalyst composition and selective/non-selective reaction pathways of the ODP reaction over V2O3, VO2 and V2O5 with O2 and N2O. Applied Catalysis A: General, 2007, 319, 98-110.	2.2	50
133	A comparative study of zirconia and alumina supported Pt and Ptâ€“Sn catalysts used for dehydrocyclization of n-octane. Applied Catalysis A: General, 2007, 333, 67-77.	2.2	45
134	Selective polymerization of propylene oxide by a tin phosphate coordination polymer. Journal of Polymer Science Part A, 2007, 45, 3032-3041.	2.5	24
135	Gas-phase carbonylation of methanol to dimethyl carbonate on chloride-free Cu-precipitated zeolite Y at normal pressure. Journal of Catalysis, 2007, 245, 11-24.	3.1	151
136	Marked influence of support on the catalytic performance of PdSb acetoxylation catalysts: Effects of Pd particle size, valence states, and acidity characteristicsâ€†. Journal of Catalysis, 2007, 246, 399-412.	3.1	54
137	From molecule to material: Mg2Sn as hydrogenation catalyst. Catalysis Communications, 2006, 7, 618-622.	1.6	24
138	Influence of the Precipitation Agent in the Depositionâˆ'Precipitation on the Formation and Properties of Au Nanoparticles Supported on Al2O3. Journal of Physical Chemistry B, 2006, 110, 23688-23693.	1.2	27
139	Distinct activity and time-on-stream behavior of pure Pt and Rh metals and Ptâ€“Rh alloys in the high-temperature NO decomposition. Applied Catalysis A: General, 2006, 298, 73-79.	2.2	19
140	Oxygen reduction at carbon supported rutheniumâ€“selenium catalysts: Selenium as promoter and stabilizer of catalytic activity. Journal of Power Sources, 2006, 155, 47-51.	4.0	57
141	Ru-catalyzed oxidation of primary alcohols. Journal of Molecular Catalysis A, 2006, 246, 85-99.	4.8	73
142	Effect of Sb loading on Pd nanoparticles and its influence on the catalytic performance of Sbâ€“Pd/TiO2 solids for acetoxylation of toluene. Journal of Catalysis, 2006, 243, 25-35.	3.1	15
143	Highly efficient Pd?Sb?TiO catalysts for the vapour phase acetoxylation of toluene to benzyl acetate. Journal of Catalysis, 2005, 230, 420-435.	3.1	19
144	Deactivation of Pd Acetoxylation Catalysts: Direct Observations by XPS Investigations. Angewandte Chemie - International Edition, 2005, 44, 6771-6774.	7.2	42

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145	The influence of chemical transport via vapour phase on the properties of chloride and caesium-doped Vâ€“Fe mixed oxide catalysts in the oxidation of butadiene to furan. Applied Catalysis A: General, 2005, 285, 139-150.	2.2	3
146	Ammonia removal from effluent streams of wet oxidation under high pressure. Topics in Catalysis, 2005, 33, 155-169.	1.3	10
147	Redox behaviour of La-Cr compounds formed in CrOx/La2O3 mixed oxides and CrOx/La2O3/ZrO2 catalysts. Applied Catalysis A: General, 2003, 239, 95-110.	2.2	18
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