

# Andrei Boronin

## List of Publications by Year in descending order

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215  
papers

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61945

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82499

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217  
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217  
docs citations

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times ranked

7300  
citing authors

#	ARTICLE	IF	CITATIONS
1	Delafossite Ag <sub>2</sub> CuMnO <sub>4</sub> is a Novel Catalytic Material for Low-Temperature Oxidation of CO and NH <sub>3</sub> . ChemCatChem, 2022, 14, .	1.8	6
2	APPLICATION OF N-DOPED CARBON NANOTUBES FOR THE PREPARATION OF HIGHLY DISPERSED PdO-CeO <sub>2</sub> COMPOSITE CATALYSTS. Journal of Structural Chemistry, 2022, 63, 407-422.	0.3	3
3	The Effects of Platinum Dispersion and Pt State on Catalytic Properties of Pt/Al <sub>2</sub> O <sub>3</sub> in NH <sub>3</sub> Oxidation. ChemCatChem, 2021, 13, 313-327.	1.8	19
4	<i>In situ</i> probing of Pt/TiO <sub>2</sub> activity in low-temperature ammonia oxidation. Catalysis Science and Technology, 2021, 11, 250-263.	2.1	26
5	EFFECT OF THE SUPPORT NATURE ON THE PHYSICO-CHEMICAL PROPERTIES OF PLATINUM CATALYSTS FOR AMMONIA OXIDATION. Journal of Structural Chemistry, 2021, 62, 598-612.	0.3	3
6	CO oxidation activity of Pt/CeO <sub>2</sub> catalysts below 0 °C: platinum loading effects. Applied Catalysis B: Environmental, 2021, 286, 119931.	10.8	83
7	Probing of Pd <sup>4+</sup> Species in a PdO-CeO <sub>2</sub> System by X-Ray Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2021, 125, 20845-20854.	1.5	18
8	Low-temperature activity of Pd/CeO <sub>2</sub> catalysts: Mechanism of CO interaction and mathematical modelling of TPR-CO kinetic data. Chemical Engineering Science, 2021, 244, 116812.	1.9	6
9	ACTIVATION OF Au-CeO <sub>2</sub> COMPOSITES PREPARED BY PULSED LASER ABLATION IN THE REACTION OF LOW-TEMPERATURE CO OXIDATION. Journal of Structural Chemistry, 2021, 62, 1918-1934.	0.3	6
10	Insight into the Nature of Active Species of Pt/Al <sub>2</sub> O <sub>3</sub> Catalysts for low Temperature NH <sub>3</sub> Oxidation. ChemCatChem, 2020, 12, 867-880.	1.8	38
11	Inverse temperature hysteresis and self-sustained oscillations in CO oxidation over Pd at elevated pressures of reaction mixture: Experiment and mathematical modeling. Chemical Engineering Science, 2020, 212, 115312.	1.9	10
12	Structural and electron transport properties of CaFe <sub>2</sub> O <sub>4</sub> synthesized in air and in helium atmosphere. Journal of Alloys and Compounds, 2020, 820, 153073.	2.8	11
13	The activity and thermal stability of RhO <sub>x</sub> /CeO <sub>2</sub> nanocomposites prepared by radio-frequency plasma sputtering. Surface and Interface Analysis, 2020, 52, 818-822.	0.8	0
14	A Study of Pt/Al <sub>2</sub> O <sub>3</sub> Nanocomposites Obtained by Pulsed Laser Ablation to Be Used as Catalysts of Oxidation Reactions. Journal of Structural Chemistry, 2020, 61, 316-329.	0.3	7
15	Influence of Titania Synthesized by Pulsed Laser Ablation on the State of Platinum during Ammonia Oxidation. Applied Sciences (Switzerland), 2020, 10, 4699.	1.3	18
16	Peculiarities of Structure and Morphology of Copper-Cerium Nanopowders Produced by Laser Ablation. Russian Physics Journal, 2020, 63, 150-159.	0.2	2
17	Thermal activation of Pd/CeO <sub>2</sub> -SnO <sub>2</sub> catalysts for low-temperature CO oxidation. Applied Catalysis B: Environmental, 2020, 277, 119275.	10.8	43
18	Mixed silver-nickel oxide AgNiO <sub>2</sub> : Probing by CO during XPS study. Journal of Chemical Physics, 2020, 152, 044707.	1.2	16

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19	Room temperature CO oxidation over AgCuO <sub>2</sub> . Applied Surface Science, 2020, 525, 146523.	3.1	9
20	Effect of Pd- precursor and support acid properties on the Pd electronic state and the hydrodesulfurization activity of Pd-zeolite catalysts. Catalysis Today, 2019, 323, 257-270.	2.2	19
21	The influence of the metal-support interaction on the catalytic activity of Pt/Al <sub>2</sub> O <sub>3</sub> and Pt/TiO <sub>2</sub> in NH <sub>3</sub> oxidation. AIP Conference Proceedings, 2019, , .	0.3	5
22	From highly dispersed Rh <sup>3+</sup> to nanoclusters and nanoparticles: Probing the low-temperature NO+CO activity of Rh-doped CeO <sub>2</sub> catalysts. Applied Surface Science, 2019, 493, 1055-1066.	3.1	19
23	The State of Platinum and Structural Features of Pt/Al <sub>2</sub> O <sub>3</sub> Catalysts in the Reaction of NH <sub>3</sub> Oxidation. Journal of Structural Chemistry, 2019, 60, 919-931.	0.3	14
24	Self-sustained oscillations within the temperature hysteresis in CO oxidation over Pd: Mathematical model of a cascade of continuous stirred-tank reactors. International Journal of Chemical Kinetics, 2019, 51, 918-930.	1.0	2
25	Thermally Induced Structural Evolution of Palladium-Ceria Catalysts. Implication for CO Oxidation. ChemCatChem, 2019, 11, 3505-3521.	1.8	26
26	Pt/CeO <sub>2</sub> and Pt/CeSnO <sub>x</sub> Catalysts for Low-Temperature CO Oxidation Prepared by Plasma-Arc Technique. Frontiers in Chemistry, 2019, 7, 114.	1.8	24
27	Nitrogen Doped Carbon Nanotubes and Nanofibers for Green Hydrogen Production: Similarities in the Nature of Nitrogen Species, Metal-Nitrogen Interaction, and Catalytic Properties. Energies, 2019, 12, 3976.	1.6	19
28	Surface dynamics of mixed silver-copper oxide AgCuO <sub>2</sub> during X-ray photoelectron spectroscopy study. Applied Surface Science, 2019, 463, 300-309.	3.1	21
29	Structural Insight into Strong Pt-CeO <sub>2</sub> Interaction: From Single Pt Atoms to PtO Clusters. Journal of Physical Chemistry C, 2019, 123, 1320-1334.	1.5	69
30	Interface interactions and CO oxidation activity of Ag/CeO <sub>2</sub> catalysts: A new approach using model catalytic systems. Applied Catalysis A: General, 2019, 570, 51-61.	2.2	46
31	Study of active surface centers of Pt/CeO <sub>2</sub> catalysts prepared using radio-frequency plasma sputtering technique. Surface Science, 2019, 679, 273-283.	0.8	37
32	Application of RF discharge in oxygen to create highly oxidized metal layers. Surface Engineering, 2018, 34, 1-5.	1.1	7
33	Transformation of a Pt-CeO <sub>2</sub> Mechanical Mixture of Pulsed-Laser Ablated Nanoparticles to a Highly Active Catalyst for Carbon Monoxide Oxidation. ChemCatChem, 2018, 10, 2232-2247.	1.8	41
34	Influence of the nitrogen-doped carbon nanofibers on the catalytic properties of supported metal and oxide nanoparticles. Catalysis Today, 2018, 301, 125-133.	2.2	21
35	Spectroscopic study of nitrogen distribution in N-doped carbon nanotubes and nanofibers synthesized by catalytic ethylene-ammonia decomposition. Applied Surface Science, 2018, 435, 1273-1284.	3.1	30
36	The decomposition of mixed oxide Ag <sub>2</sub> Cu <sub>2</sub> O <sub>3</sub> : Structural features and the catalytic properties in CO and C <sub>2</sub> H <sub>4</sub> oxidation. Applied Surface Science, 2018, 427, 363-374.	3.1	18

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37	Plasma-arc sputtering for synthesis of Pt/CeO <sub>2</sub> and Pd/CeO <sub>2</sub> nanosystems. Journal of Physics: Conference Series, 2018, 1124, 022024.	0.3	0
38	Enhanced Thermal Stability of Pd/CeO <sub>2</sub> -SnO <sub>2</sub> Catalysts for CO Oxidation Prepared by Plasma-Arc Synthesis. Topics in Catalysis, 2017, 60, 898-913.	1.3	13
39	Oxidizing Properties of the Polysulfide Surfaces of Patronite VS <sub>4</sub> and NbS <sub>3</sub> Induced by (S <sub>2</sub> ) <sup>2+</sup> Groups: Unusual Formation of Ag <sub>2</sub> S Nanoparticles. Advanced Materials Interfaces, 2017, 4, 1700999.	1.9	19
40	Redox and Catalytic Properties of Rh <sub>x</sub> Ce <sub>1-x</sub> O <sub>2</sub> Solid Solution. Journal of Physical Chemistry C, 2017, 121, 26925-26938.	1.5	31
41	The structure and catalytic properties of Rh-doped CeO <sub>2</sub> catalysts. Physical Chemistry Chemical Physics, 2017, 19, 31883-31897.	1.3	29
42	Nitrogen doped carbon nanotubes and nanofibers: Composition, structure, electrical conductivity and capacity properties. Carbon, 2017, 122, 475-483.	5.4	82
43	Platinum state in highly active Pt/CeO <sub>2</sub> catalysts from the X-ray photoelectron spectroscopy data. Journal of Structural Chemistry, 2017, 58, 1152-1159.	0.3	29
44	Influence of the Copper(II) Oxide Dispersion on its Catalytic Properties in Carbon Monoxide Oxidation: A Comparative Study by Using Two Types of Catalytic Reactors. ChemCatChem, 2016, 8, 3546-3555.	1.8	13
45	XPS Study of Nanostructured Rhodium Oxide Film Comprising Rh <sup>4+</sup> Species. Journal of Physical Chemistry C, 2016, 120, 19142-19150.	1.5	81
46	Microwave assisted synthesis of CuS-reduced graphene oxide nanocomposite with efficient photocatalytic activity towards azo dye degradation. Journal of Environmental Chemical Engineering, 2016, 4, 4600-4611.	3.3	61
47	Observation of the superstructural diffraction peak in the nitrogen doped carbon nanotubes: Simulation of the structure. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 520-530.	1.0	22
48	Metal-support interaction in Pd/CeO <sub>2</sub> model catalysts for CO oxidation: from pulsed laser-ablated nanoparticles to highly active state of the catalyst. Catalysis Science and Technology, 2016, 6, 6650-6666.	2.1	74
49	Highly active and durable Pd/Fe <sub>2</sub> O <sub>3</sub> catalysts for wet CO oxidation under ambient conditions. Catalysis Science and Technology, 2016, 6, 3918-3928.	2.1	25
50	Comparison of growth mechanisms of undoped and nitrogen-doped carbon nanofibers on nickel-containing catalysts. Chinese Journal of Catalysis, 2016, 37, 169-176.	6.9	12
51	Low-temperature catalytic CO oxidation over mixed silver-copper oxide Ag <sub>2</sub> Cu <sub>2</sub> O <sub>3</sub> . Applied Catalysis A: General, 2016, 510, 64-73.	2.2	36
52	Effect of Pd deposition procedure on activity of Pd/Ce <sub>0.5</sub> Sn <sub>0.5</sub> O <sub>2</sub> catalysts for low-temperature CO oxidation. Catalysis Communications, 2016, 73, 34-38.	1.6	18
53	Ruthenium Clusters on Carbon Nanofibers for Formic Acid Decomposition: Effect of Doping the Support with Nitrogen. ChemCatChem, 2015, 7, 2910-2917.	1.8	64
54	Highly Oxidized Platinum Nanoparticles Prepared through Radio-Frequency Sputtering: Thermal Stability and Reaction Probability towards CO. ChemPhysChem, 2015, 16, 3318-3324.	1.0	63

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55	Physicochemical investigation of nanopowders prepared by laser ablation of crystalline silicon in water. <i>Advanced Powder Technology</i> , 2015, 26, 478-486.	2.0	15
56	Highly Oxidized Gold Nanoparticles: In Situ Synthesis, Electronic Properties, and Reaction Probability Toward CO Oxidation. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2523-2529.	1.5	13
57	Films of the Pd <sub>x</sub> Ce <sub>1-x</sub> O <sub>2</sub> solid solution as a model object for the XPS study of the surface chemistry of Pd/CeO <sub>2</sub> catalysts. <i>Journal of Structural Chemistry</i> , 2015, 56, 566-575.	0.3	8
58	An XPS and TPD study of gold oxide films obtained by exposure to RF-activated oxygen. <i>Journal of Structural Chemistry</i> , 2015, 56, 557-565.	0.3	17
59	Ultradisperse Pt nanoparticles anchored on defect sites in oxygen-free few-layer graphene and their catalytic properties in CO oxidation. <i>Carbon</i> , 2015, 89, 290-299.	5.4	37
60	Low-temperature CO oxidation by Pd/CeO <sub>2</sub> catalysts synthesized using the coprecipitation method. <i>Applied Catalysis B: Environmental</i> , 2015, 166-167, 91-103.	10.8	167
61	Role of the support in the formation of the properties of a Pd/Al <sub>2</sub> O <sub>3</sub> catalyst for the low-temperature oxidation of carbon monoxide. <i>Kinetics and Catalysis</i> , 2014, 55, 748-762.	0.3	6
62	Ruthenium nanoparticles supported on nitrogen-doped carbon nanofibers for the catalytic wet air oxidation of phenol. <i>Applied Catalysis B: Environmental</i> , 2014, 146, 177-185.	10.8	83
63	Performance of Ni/CeO <sub>2</sub> catalysts for selective CO methanation in hydrogen-rich gas. <i>Chemical Engineering Journal</i> , 2014, 238, 189-197.	6.6	82
64	Highly active PdCeO composite catalysts for low-temperature CO oxidation, prepared by plasma-arc synthesis. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 132-143.	10.8	119
65	Palladium Nanoparticles Supported on Nitrogen-Doped Carbon Nanofibers: Synthesis, Microstructure, Catalytic Properties, and Self-Sustained Oscillation Phenomena in Carbon Monoxide Oxidation. <i>ChemCatChem</i> , 2014, 6, 2115-2128.	1.8	38
66	Terbium oxide films grown by chemical vapor deposition from terbium(III) dipivaloylmethanate. <i>Inorganic Materials</i> , 2014, 50, 379-386.	0.2	21
67	Low temperature synthesis of Ru-Cu alloy nanoparticles with the compositions in the miscibility gap. <i>Journal of Solid State Chemistry</i> , 2014, 212, 42-47.	1.4	13
68	The local structure of Pd <sub>x</sub> Ce <sub>1-x</sub> O <sub>2</sub> solid solutions. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 13523-13539.	1.3	84
69	Synthesis and physicochemical and catalytic properties of apatite-type lanthanum silicates. <i>Kinetics and Catalysis</i> , 2014, 55, 361-371.	0.3	4
70	Catalytic and capacity properties of nanocomposites based on cobalt oxide and nitrogen-doped carbon nanofibers. <i>Chinese Journal of Catalysis</i> , 2014, 35, 960-969.	6.9	13
71	Low-temperature oxidation of carbon monoxide over (Mn <sub>1-x</sub> M <sub>x</sub> )O <sub>2</sub> (M = Co, Pd) catalysts. <i>Kinetics and Catalysis</i> , 2013, 54, 81-94.	0.3	10
72	Reactivity and thermal stability of oxidized copper clusters on the tantalum(V) oxide surface. <i>Kinetics and Catalysis</i> , 2013, 54, 497-504.	0.3	23

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73	Pt nanoclusters stabilized by N-doped carbon nanofibers for hydrogen production from formic acid. <i>Journal of Catalysis</i> , 2013, 307, 94-102.	3.1	126
74	Synthesis and catalytic activity of porous blocked Ag/SiO <sub>2</sub> composites in low-temperature carbon monoxide oxidation. <i>Kinetics and Catalysis</i> , 2013, 54, 492-496.	0.3	1
75	Mechanochemical synthesis, phase composition, structural parameters, and magnetic properties of manganese ferrosinels. <i>Nanotechnologies in Russia</i> , 2013, 8, 495-501.	0.7	7
76	A correlation between structural changes in a Ni-Cu catalyst during decomposition of ethylene/ammonia mixture and properties of nitrogen-doped carbon nanofibers. <i>Journal of Energy Chemistry</i> , 2013, 22, 270-278.	7.1	25
77	Study of cupric oxide nanopowders as efficient catalysts for low-temperature CO oxidation. <i>Journal of Molecular Catalysis A</i> , 2013, 368-369, 95-106.	4.8	68
78	(CuO-CeO <sub>2</sub> )/glass cloth catalysts for selective CO oxidation in the presence of H <sub>2</sub> : The effect of the nature of the fuel component used in their surface self-propagating high-temperature synthesis on their properties. <i>Kinetics and Catalysis</i> , 2013, 54, 59-68.	0.3	14
79	Deposition of silver nanoparticles into porous system of sol-gel silica monoliths and properties of silver/porous silica composites. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 68, 471-478.	1.1	5
80	Synthesis, Properties, and Dispersion of Few-Layer Graphene Fluoride. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2015-2022.	1.7	27
81	In Situ XRD, XPS, TEM, and TPR Study of Highly Active in CO Oxidation CuO Nanopowders. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14588-14599.	1.5	186
82	Silver nanoparticles obtained by laser ablation as the active component of Ag/SiO <sub>2</sub> catalysts for CO oxidation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013, 110, 343-357.	0.8	9
83	Self-sustained oscillations in CO oxidation reaction on PdO/Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Chemical Engineering Science</i> , 2012, 83, 149-158.	1.9	27
84	Highly Oxidized Palladium Nanoparticles Comprising Pd <sup>4+</sup> Species: Spectroscopic and Structural Aspects, Thermal Stability, and Reactivity. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19342-19348.	1.5	129
85	Electronic structures of heterometallic complexes [Ru(NO)(NO <sub>2</sub> ) <sub>4</sub> (OH)ZnL <sub>n</sub> ] according to the data of quantum-chemical calculations and photoelectron spectroscopy. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2012, 38, 535-544.	0.3	2
86	In situ preparation and investigation of Pd/CeO <sub>2</sub> catalysts for the low-temperature oxidation of CO. <i>Applied Catalysis A: General</i> , 2012, 439-440, 41-50.	2.2	115
87	X-ray spectral and photoelectron study of the electronic structure of copper phthalocyanine and its fluoro-substituted analog. <i>Journal of Structural Chemistry</i> , 2012, 53, 1046-1055.	0.3	5
88	Platinum nanoparticles supported on nitrogen-containing carbon nanofibers. <i>Catalysis Today</i> , 2012, 186, 42-47.	2.2	33
89	XES and quantum chemical investigation of the electronic structure of phthalocyanine complexes MPcH <sub>16</sub> and MPcF <sub>16</sub> with M = Cu, Co. <i>Journal of Structural Chemistry</i> , 2011, 52, 21-35.	0.3	2
90	Synergetic effect in PdAu/CeO <sub>2</sub> catalysts for the low-temperature oxidation of CO. <i>Journal of Structural Chemistry</i> , 2011, 52, 123-136.	0.3	8

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91	Low-temperature oxidation of carbon monoxide on Pd(Pt)/CeO <sub>2</sub> catalysts prepared from complex salts. <i>Kinetics and Catalysis</i> , 2011, 52, 282-295.	0.3	17
92	Composition and properties of functional groups on surface of carbon sorbents modified by aminocaproic acid. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2011, 47, 181-190.	0.3	8
93	Micellar synthesis and characterization of ultrafine silver powders. <i>Russian Journal of Inorganic Chemistry</i> , 2011, 56, 1199-1207.	0.3	0
94	X-ray photoelectron investigation of charge distribution in copper(II) phthalocyanine complexes. <i>Journal of Surface Investigation</i> , 2011, 5, 48-56.	0.1	7
95	Design and characterization of LSM/ScCeSZ nanocomposite as mixed ionic-electronic conducting material for functionally graded cathodes of solid oxide fuel cells. <i>Solid State Ionics</i> , 2011, 192, 540-546.	1.3	15
96	Investigation of oxygen states and reactivities on a nanostructured cupric oxide surface. <i>Applied Surface Science</i> , 2011, 257, 8542-8549.	3.1	83
97	Low temperature hydrogen purification from CO for fuel cell application over copper-ceria catalysts supported on different oxides. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 1271-1275.	3.8	20
98	Structural and chemical states of palladium in Pd/Al <sub>2</sub> O <sub>3</sub> catalysts under self-sustained oscillations in reaction of CO oxidation. <i>Applied Catalysis A: General</i> , 2011, 401, 83-97.	2.2	60
99	Rhodium catalysts for the hydrogenation of benzene and its homologues in various solvents. <i>Petroleum Chemistry</i> , 2010, 50, 47-50.	0.4	3
100	Investigation of active metal species formation in Pd-promoted sulfated zirconia isomerization catalyst. <i>Applied Catalysis A: General</i> , 2010, 387, 5-12.	2.2	22
101	Oxygen species on the silver surface oxidized by MW-discharge. <i>Surface Science</i> , 2010, 604, 1185-1192.	0.8	30
102	Metal-support interactions in Pt/Al <sub>2</sub> O <sub>3</sub> and Pd/Al <sub>2</sub> O <sub>3</sub> catalysts for CO oxidation. <i>Applied Catalysis B: Environmental</i> , 2010, 97, 57-71.	10.8	343
103	The investigation of oxidized silver nanoparticles prepared by thermal evaporation and radio-frequency sputtering of metallic silver under oxygen. <i>Applied Surface Science</i> , 2010, 257, 404-413.	3.1	87
104	Characterization of alumina-supported uranium oxide catalysts in methane oxidation. <i>Catalysis Today</i> , 2010, 157, 217-222.	2.2	20
105	Effect of preparation procedure on the properties of CeO <sub>2</sub> . <i>Kinetics and Catalysis</i> , 2010, 51, 143-148.	0.3	14
106	An active phase transformation on surface of Ni-Au/Al <sub>2</sub> O <sub>3</sub> catalyst during partial oxidation of methane to synthesis gas. <i>Kinetics and Catalysis</i> , 2010, 51, 573-578.	0.3	20
107	Design and Characterization of Functionally Graded Cathode Materials for Solid Oxide Fuel Cells. <i>ECS Transactions</i> , 2009, 25, 2403-2412.	0.3	8
108	Synthesis and physicochemical characterization of palladium-cerium oxide catalysts for the low-temperature oxidation of carbon monoxide. <i>Kinetics and Catalysis</i> , 2009, 50, 819-823.	0.3	11

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109	Deep desulphurization of diesel fuels on bifunctional monolithic nanostructured Pt-zeolite catalysts. <i>Catalysis Today</i> , 2009, 144, 235-250.	2.2	39
110	Investigation of palladium interaction with cerium oxide and its state in catalysts for low-temperature CO oxidation. <i>Catalysis Today</i> , 2009, 144, 201-211.	2.2	161
111	Chaotic dynamics in the three-variable kinetic model of CO oxidation on platinum group metals. <i>Chemical Engineering Journal</i> , 2009, 154, 82-87.	6.6	20
112	Structure and electrical conductivity of nitrogen-doped carbon nanofibers. <i>Carbon</i> , 2009, 47, 1922-1929.	5.4	330
113	X-ray photoelectron spectroscopy study of Pd oxidation by RF discharge in oxygen. <i>Applied Surface Science</i> , 2009, 255, 9248-9254.	3.1	151
114	Structure and State of Copper Oxide Species Supported on Yttria-Stabilized Zirconia. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21368-21375.	1.5	36
115	La <sub>0.8</sub> Sr <sub>0.2</sub> Ni <sub>0.4</sub> Fe <sub>0.6</sub> O <sub>3</sub> â€“Ce <sub>0.8</sub> Gd <sub>0.2</sub> O <sub>2</sub> â€“ Nanocomposite as Mixed Ionicâ€“Electronic Conducting Material for SOFC Cathode and Oxygen Permeable Membranes: Synthesis and Properties. <i>Composite Interfaces</i> , 2009, 16, 407-431.	1.3	9
116	XPS, UPS, and STM studies of nanostructured CuO films. <i>Journal of Structural Chemistry</i> , 2008, 49, 341-347.	0.3	59
117	Photoelectron studies of adsorption and catalysis on the surface of metal single crystals and polycrystals. <i>Journal of Structural Chemistry</i> , 2008, 49, 138-158.	0.3	3
118	Active surface formation and catalytic activity of phosphorous-promoted electrolytic silver in the selective oxidation of ethylene glycol to glyoxal. <i>Applied Catalysis A: General</i> , 2008, 344, 142-149.	2.2	38
119	Effect of Fe/Ni catalyst composition on nitrogen doping and field emission properties of carbon nanotubes. <i>Carbon</i> , 2008, 46, 864-869.	5.4	35
120	The state of the components in Cu-CeO <sub>2</sub> -ZrO <sub>2</sub> catalysts for selective oxidation of CO. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2008, 72, 1098-1102.	0.1	0
121	Effect of the microstructure of Pt/CeO <sub>2</sub> -TiO <sub>2</sub> catalysts on their catalytic properties in CO oxidation. <i>Kinetics and Catalysis</i> , 2008, 49, 271-278.	0.3	10
122	Ceria-Zirconia Nanoparticles Doped with La or Gd: Effect of the Doping Cation on the Real Structure. <i>Solid State Phenomena</i> , 2007, 128, 81-88.	0.3	22
123	Doped Nanocrystalline Pt-Promoted Ceria-Zirconia as Anode Catalysts for IT SOFC: Synthesis and Properties. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1023, 1.	0.1	8
124	Encapsulation of molecular nitrogen in multiwall CN <sub>x</sub> nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4078-4081.	0.7	21
125	Reinforced nickel and nickel-platinum catalysts for performing the thermally coupled reactions of methane steam reforming and hydrogen oxidation. <i>Kinetics and Catalysis</i> , 2007, 48, 116-124.	0.3	7
126	Copper-cerium oxide catalysts for the selective oxidation of carbon monoxide in hydrogen-containing mixtures: I. Catalytic activity. <i>Kinetics and Catalysis</i> , 2007, 48, 439-447.	0.3	14

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127	Copper-cerium oxide catalysts for the selective oxidation of carbon monoxide in hydrogen-containing mixtures: II. Physicochemical characterization of the catalysts. <i>Kinetics and Catalysis</i> , 2007, 48, 448-456.	0.3	11
128	State of palladium in palladium-aluminosilicate catalysts as studied by XPS and the catalytic activity of the catalysts in the deep oxidation of methane. <i>Kinetics and Catalysis</i> , 2007, 48, 728-734.	0.3	36
129	X-ray emission and X-ray photoelectron spectroscopic studies of fullerene fluoride C <sub>60</sub> F <sub>24</sub> . <i>Physics of the Solid State</i> , 2007, 49, 1195-1200.	0.2	4
130	Oxidation of the polycrystalline gold foil surface and XPS study of oxygen states in oxide layers. <i>Moscow University Chemistry Bulletin</i> , 2007, 62, 343-349.	0.2	54
131	The Thermal Stability of Nanodiamond Surface Groups and Onset of Nanodiamond Graphitization. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2006, 14, 557-564.	1.0	70
132	Thermal Behavior of Fluorinated Double-Walled Carbon Nanotubes. <i>Chemistry of Materials</i> , 2006, 18, 4967-4971.	3.2	23
133	Protective ceramic multilayer coatings for carbon fibers. <i>Surface and Coatings Technology</i> , 2006, 201, 2313-2319.	2.2	85
134	Carbon films grown on Pt(111) as supports for model gold catalysts. <i>Surface Science</i> , 2006, 600, 2688-2695.	0.8	64
135	Fluorination of multiwall nitrogen-doped carbon nanotubes. <i>Russian Journal of Inorganic Chemistry</i> , 2006, 51, 613-618.	0.3	3
136	Mechanisms of Pd(110) surface reconstruction and oxidation: XPS, LEED and TDS study. <i>Surface Science</i> , 2006, 600, 4119-4125.	0.8	45
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