

Peter E Strizhak

List of Publications by Year in descending order

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242
papers

1,750
citations

304368

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476904

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all docs

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docs citations

245
times ranked

1718
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance composite H-ZSM-5/alumina catalyst for the methanol-to-ethylene conversion. <i>Chemical Engineering Communications</i> , 2022, 209, 579-593.	1.5	1
2	Advectionâ€“diffusion in a porous medium with fractal geometry: fractional transport and crossovers on time scales. <i>Meccanica</i> , 2022, 57, 833-843.	1.2	5
3	Extremely high reinforcement of highâ€“density polyethylene by low loading of unzipped multiâ€“wall carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51478.	1.3	2
4	Hybrid organicâ€“inorganic acid catalysts: The effect of active sites localization on catalytic characteristics in the processes of alcohols' etherification. A review. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51926.	1.3	0
5	Differences in the structure and functionalities of graphene oxide and reduced graphene oxide obtained from graphite with various degrees of graphitization. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 164, 110614.	1.9	27
6	The Created Excellent Thermal, Mechanical and Fluorescent Properties by Doping Eu3+-Complex-Anchored Carbon Nanotubes in Polycyanate Resins. <i>Nanomaterials</i> , 2022, 12, 2040.	1.9	1
7	Development of a Catalyst for Flue Gas Purification from Carbon Monoxide of Multi-Chamber Furnaces for Baking Electrode Blanks. <i>Journal of Ecological Engineering</i> , 2021, 22, 174-187.	0.5	2
8	Direct anchoring of Eu3+ complex to derivative surfaces of multi-wall carbon nanotubes (Eu@DSCNTs) for linear fluorescence nanomaterials. <i>Journal of Alloys and Compounds</i> , 2021, 853, 156880.	2.8	6
9	Hydrogen Selectivity in the Steam Reforming of Alcohols. <i>Theoretical and Experimental Chemistry</i> , 2021, 57, 71-76.	0.2	1
10	A kinetic study on the methanol conversion to dimethyl ether over H-ZSM-5 zeolite. <i>Chemical Papers</i> , 2021, 75, 3429-3442.	1.0	10
11	Use of Metal Oxide-Modified Aerated Concrete for Cleaning Flue Gases from Carbon Monoxide. <i>Journal of Ecological Engineering</i> , 2021, 22, 104-113.	0.5	0
12	Self-Photoluminescence of Unzipped Multi-Walled Carbon Nanotubes. <i>Nanomaterials</i> , 2021, 11, 1632.	1.9	0
13	A two-step strategy for the selective conversion of ethanol to propene and hydrogen. <i>Chemical Papers</i> , 2021, 75, 5773-5779.	1.0	3
14	Improved Mechanical, Anti-UV Irradiation, and Imparted Luminescence Properties of Cyanate Ester Resin/Unzipped Multiwalled Carbon Nanotubes/Europium Nanocomposites. <i>Materials</i> , 2021, 14, 4244.	1.3	3
15	Highly selective hydrogenation of acetylene over reduced graphene oxide carbocatalyst. <i>Materialia</i> , 2021, 18, 101163.	1.3	7
16	Thermodynamic analysis of Al clusters formation over aluminum melt. <i>Physica Scripta</i> , 2021, 96, 125725.	1.2	1
17	Low-Temperature Hydrogenation of Iron Carbonate Followed By Production of C4-C6 Hydrocarbons. <i>Theoretical and Experimental Chemistry</i> , 2021, 57, 351.	0.2	0
18	Low-Temperature Hydrogenation of Iron Carbonate Followed by Production of C4-C6 Hydrocarbons. <i>Theoretical and Experimental Chemistry</i> , 2021, 57, 351.	0.2	0

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19	Diffusion of C6 cyclic hydrocarbons in ZSM-5 zeolite: From single nanocrystal to packed pellet. <i>Microporous and Mesoporous Materials</i> , 2020, 292, 109773.	2.2	5
20	Catalytic properties of reduced graphene oxide in acetylene hydrogenation. <i>Carbon</i> , 2020, 157, 277-285.	5.4	14
21	The Effect of Ceria Content on the Acid-Base and Catalytic Characteristics of ZrO ₂ -CeO ₂ Oxide Compositions in the Process of Ethanol to n-Butanol Condensation. <i>Catalysis Letters</i> , 2020, 150, 234-242.	1.4	25
22	Synthesis and Thermal Stability of Palladium Nanoparticles Supported on γ -Al ₂ O ₃ . <i>Current Nanomaterials</i> , 2020, 5, 79-90.	0.2	0
23	Acid-Base and Catalytic Properties of Sulfated Mesoporous Titanium Oxide in Glycerol Oligomerization. <i>Theoretical and Experimental Chemistry</i> , 2020, 56, 199-204.	0.2	4
24	Simple two-stages synthesis of Ni/P-MWCNTs nanocomposite as efficient catalyst for the hexachlorobenzene electrochemical dechlorination. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 1002-1009.	1.0	0
25	Impact of Coke Deposition on Diffusion of Methanol in a Pellet of Zeolite-Containing Catalyst. <i>Theoretical and Experimental Chemistry</i> , 2020, 56, 124-129.	0.2	0
26	Diffusion in hierarchical silica monoliths: impact of pore size and probe molecule. <i>Heat and Mass Transfer</i> , 2020, 56, 3199-3207.	1.2	3
27	Effect of Composition of Superconducting Cuprates Bi ₂ Sr _{2-x} NdxCaCu ₂ O _y (0 ≤ x ≤ 0.1) on their Electrophysical Characteristics and Catalytic Properties in Carbon Monoxide Oxidation. <i>Theoretical and Experimental Chemistry</i> , 2020, 56, 130-135.	0.2	0
28	Direct fabrication of graphene oxide fiber by injection spinning for flexible and wearable electronics. <i>Journal of Materials Science</i> , 2020, 55, 12065-12081.	1.7	10
29	Investigation of the Time-Dependent Transitions Between the Time-Fractional and Standard Diffusion in a Hierarchical Porous Material. <i>Transport in Porous Media</i> , 2020, 133, 497-508.	1.2	4
30	Strongly enhanced efficiency of polymer solar cells through unzipped SWNT hybridization in the hole transport layer. <i>RSC Advances</i> , 2020, 10, 24847-24854.	1.7	5
31	Efficient hydrogen production by steam reforming of ethanol over ferrite catalysts. <i>Catalysis and Petrochemistry</i> , 2020, , 1-10.	0.2	0
32	Macroscale modeling the methanol anomalous transport in the porous pellet using the time-fractional diffusion and fractional Brownian motion: A model comparison. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 79, 104922.	1.7	8
33	Formation of silicon nanoclusters in a gas phase: A thermodynamic study. <i>Chemical Physics Letters</i> , 2019, 731, 136608.	1.2	1
34	Relation of Fractal Characteristics with Structural Parameters of Nanosized ZrO ₂ Determined by Various Methods. <i>Theoretical and Experimental Chemistry</i> , 2019, 55, 246-249.	0.2	1
35	Effect of the Method of Production of Reduced Graphene Oxide on its Catalytic Activity in the Hydrogenation of Ethylene. <i>Theoretical and Experimental Chemistry</i> , 2019, 55, 274-279.	0.2	5
36	Effect of Modifying Additives on the Catalytic Properties of Zirconium Dioxide in the Conversion of Ethanol Into 1-Butanol. <i>Theoretical and Experimental Chemistry</i> , 2019, 55, 43-49.	0.2	15

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37	Crossover between Fickian and non-Fickian diffusion in a system with hierarchy. <i>Microporous and Mesoporous Materials</i> , 2019, 282, 22-28.	2.2	9
38	Catalytic two-step process for the production of propylene from bioethanol. <i>Theoretical and Experimental Chemistry</i> , 2019, 55, 50-55.	0.2	7
39	Investigation of the anomalous diffusion in the porous media: a spatiotemporal scaling. <i>Heat and Mass Transfer</i> , 2019, 55, 2693-2702.	1.2	6
40	Sorption and Diffusion of Methanol and Ethanol in Macroporous Sulfonic Resin Amberlyst 15. <i>Theoretical and Experimental Chemistry</i> , 2019, 55, 354-359.	0.2	2
41	Yttria-Stabilized Zirconia as a High-Performance Catalyst for Ethanol to <i>n</i> -Butanol Guerbet Coupling. <i>ACS Omega</i> , 2019, 4, 21469-21476.	1.6	25
42	Insight into the active site nature of zeolite H-BEA for liquid phase etherification of isobutylene with ethanol. <i>RSC Advances</i> , 2019, 9, 35957-35968.	1.7	15
43	A Diffusion Cell for the Mass Transfer Investigation in the Solid Porous Media. <i>International Journal of Chemical Reactor Engineering</i> , 2019, 17, .	0.6	2
44	Fractal dimension and its effect on the anomalous diffusion in a catalyst pellet. <i>Chaos, Solitons and Fractals</i> , 2018, 109, 58-63.	2.5	7
45	Thiele modulus having regard to the anomalous diffusion in a catalyst pellet. <i>Chaos, Solitons and Fractals</i> , 2018, 109, 58-63.	2.5	7
46	Effect of ultrasonic treatment of the mechanically mixed nanosized CuO/MgO solids on their catalytic properties in the CO oxidation. <i>Chemical Engineering Communications</i> , 2018, 205, 797-804.	1.5	3
47	Relationship between the anomalous diffusion and the fractal dimension of the environment. <i>Chemical Physics</i> , 2018, 503, 71-76.	0.9	18
48	Comparative study of the methane and methanol mass transfer in the mesoporous H-ZSM-5/alumina extruded pellet. <i>Heat and Mass Transfer</i> , 2018, 54, 1913-1924.	1.2	6
49	Non-Fickian Transport in Porous Media: Always Temporally Anomalous?. <i>Transport in Porous Media</i> , 2018, 124, 309-323.	1.2	10
50	An accurate computational method for the diffusion regime verification. <i>Chemical Physics Letters</i> , 2018, 698, 176-180.	1.2	2
51	Modeling methanol transfer in the mesoporous catalyst for the methanol-to-olefins reaction by the time-fractional diffusion equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 57, 359-371.	1.7	2
52	Methanol conversion to olefins on H-ZSM-5/Al ₂ O ₃ catalysts: kinetic modeling. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018, 123, 247-268.	0.8	8
53	Effect of PdO Content in Palladium Nanoparticles on Their Catalytic Activity in Liquid-Phase Hydrogenation of <i>o</i> -Nitrotoluene. <i>Theoretical and Experimental Chemistry</i> , 2018, 54, 358-363.	0.2	0
54	Catalytic Activity of N-Doped Reduced Graphene Oxide in the Hydrogenation of Ethylene and Acetylene. <i>Theoretical and Experimental Chemistry</i> , 2018, 54, 218-224.	0.2	6

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55	Carbon nanotubes catalytic activity in the ethylene hydrogenation. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 804-809.	1.0	9
56	Organic-Inorganic Composites Based on Gel-Type Sulfonic Resin KU-2-8 and Zirconia: Acid and Catalytic Properties in the Etherification Reaction of <i>iso</i> -Butylene with Ethanol. Industrial & Engineering Chemistry Research, 2018, 57, 10859-10865.	1.8	2
57	Dependence of Structure of Multilayer Graphene Oxide on Degree of Graphitization of Initial Graphite. Theoretical and Experimental Chemistry, 2018, 54, 186-192.	0.2	4
58	Synthesis of multi-walled carbon nanotubes with controlled inner and outer diameters by ethylene decomposition over Ni/MgO and Co/MgO catalysts. Materials Science-Poland, 2018, 36, 739-747.	0.4	9
59	Anomalous diffusion of methanol in zeolite-containing catalyst for methanol to hydrocarbons conversion. Himia, Fizika Ta Tehnologija Poverhni, 2018, 9, 145-157.	0.2	0
60	Comparative study of magnesia-supported highly dispersed CuO solids prepared by different methods in CO oxidation. Canadian Journal of Chemical Engineering, 2017, 95, 1510-1517.	0.9	2
61	Size Effect in Ethylene Hydrogenation over Palladium Catalysts Supported on γ -Al ₂ O ₃ . Theoretical and Experimental Chemistry, 2017, 52, 364-368.	0.2	0
62	Asymptotic Green's functions for time-fractional diffusion equation and their application for anomalous diffusion problem. Physica A: Statistical Mechanics and Its Applications, 2017, 475, 77-81.	1.2	10
63	Adsorption-desorption of ethanol on sulfonated resin catalysts for ethyl- <i>tert</i> -butyl ether synthesis. Adsorption Science and Technology, 2017, 35, 630-640.	1.5	3
64	Crucial Role of Weak Acid Sites for Catalytic Performance of Zeolites in Ethyl- <i>tert</i> -butyl Ether Synthesis. Chemical Engineering Communications, 2017, 204, 937-941.	1.5	6
65	Pore size effect on the methanol anomalous diffusion in the mesoporous catalyst pellets for methanol-to-olefin reaction. International Journal of Heat and Mass Transfer, 2017, 112, 1072-1080.	2.5	8
66	Non-Fickian diffusion of methanol in mesoporous media: Geometrical restrictions or adsorption-induced?. Journal of Chemical Physics, 2017, 146, 124704.	1.2	28
67	Effect of the Size of Chromium(III) Oxide Crystallites Obtained by Thermolysis of a Carboxylate Complex on Their Catalytic Properties in the Oxidation of CO. Theoretical and Experimental Chemistry, 2017, 53, 270-275.	0.2	0
68	Effect of H-ZSM-5/Al ₂ O ₃ Catalyst Acidity on the Conversion of Methanol. Theoretical and Experimental Chemistry, 2017, 53, 276-282.	0.2	3
69	Catalytic Activity of Multiwalled Carbon Nanotubes in Acetylene Hydrogenation. ChemCatChem, 2017, 9, 4470-4474.	1.8	17
70	Effect of zeolite ZSM-5 content on the methanol transport in the ZSM-5/alumina catalysts for methanol-to-olefin reaction. Chemical Engineering Research and Design, 2017, 127, 35-44.	2.7	9
71	Catalytic Cracking of Triglycerides on γ -FeOOH Nanoparticles. Theoretical and Experimental Chemistry, 2017, 53, 199-203.	0.2	3
72	Nanosize Effect in Heterogeneous Catalytic Processes Over Copper, Iron, and Zirconium Oxides. Theoretical and Experimental Chemistry, 2017, 53, 305-314.	0.2	2

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73	Effect of Acid Site Localization in Sulfonic Resin Amberlyst 15 on its Catalytic Properties in Ethyl tert-butyl Ether Synthesis. <i>Theoretical and Experimental Chemistry</i> , 2017, 53, 138-142.	0.2	2
74	Two-Path Conversion of Methanol to Olefins on H-ZSM-5/Al ₂ O ₃ Catalyst. <i>Theoretical and Experimental Chemistry</i> , 2017, 53, 130-137.	0.2	6
75	An investigation of anomalous time-fractional diffusion of isopropyl alcohol in mesoporous silica. <i>International Journal of Heat and Mass Transfer</i> , 2017, 104, 493-502.	2.5	20
76	Application of the Time-Fractional Diffusion Equation to Methyl Alcohol Mass Transfer in Silica. <i>Lecture Notes in Electrical Engineering</i> , 2017, , 501-510.	0.3	2
77	Experimental Verification of the Time-Fractional Diffusion of Methanol in Silica. <i>Journal of Applied Nonlinear Dynamics</i> , 2017, 6, 135-151.	0.1	5
78	Support effect on the catalytic activity of palladium nanoparticles in the o-nitrotoluene hydrogenation. <i>Reports National Academy of Science of Ukraine</i> , 2017, , 63-69.	0.0	0
79	Catalytic properties of RhSe ₂ /Ga/H-ZSM-5 system in the reaction of glycerol dehydration in the gas phase. <i>Russian Journal of Applied Chemistry</i> , 2016, 89, 233-237.	0.1	4
80	Effect of Chemical Structure and Geometry of Carbon Nanotubes on Electrical and Mechanical Properties of Nanocomposites Based on Cross-Linked Polyurethane. <i>Theoretical and Experimental Chemistry</i> , 2016, 52, 16-20.	0.2	0
81	Ferrites MFe ₂ O ₄ (M = Mg, Mn, Fe, Zn) as Catalysts for Steam Reforming of Ethanol. <i>Theoretical and Experimental Chemistry</i> , 2016, 52, 246-251.	0.2	1
82	Heterogeneous Catalytic Production of Nitrogen-Containing Macrotubes from Acetonitrile Using Iron Nanoparticles. <i>Theoretical and Experimental Chemistry</i> , 2016, 52, 170-174.	0.2	0
83	Effect of Temperature on the Equilibrium Yield of Propylene in Catalytic Processes of Ethanol Conversion. <i>Theoretical and Experimental Chemistry</i> , 2016, 52, 175-183.	0.2	4
84	Etherification of Ethanol and iso-Propanol with iso-Butylene Over Sulfonic Resin Catalysts of Various Morphology. <i>Theoretical and Experimental Chemistry</i> , 2016, 52, 184-189.	0.2	2
85	Methanol carboxylation over zirconium dioxide: Effect of catalyst phase composition on its acid-base spectrum and direction of catalytic transformations. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 745-751.	0.9	10
86	Self-Sustained Flameless Heat Generator Based on Catalytic Oxidation of Methane or Propane-Butane Mixture for Various Object Heating Including Field Heating. <i>Science and Innovation</i> , 2016, 12, 28-40.	0.2	2
87	Effect of the chemical nature of the support on the structural parameters of carbon nanotubes obtained from ethylene on Ni-, Co- and Fe-containing catalysts. <i>Surface</i> , 2016, 8(23), 147-157.	0.4	0
88	Physicochemical Properties and Catalytic Performance of Sulphonic Resins of Various Morphological Types in Ethyl t-Butyl Ether Synthesis. <i>Adsorption Science and Technology</i> , 2015, 33, 545-551.	1.5	2
89	Structure of Copper Oxide Species Supported on Monoclinic Zirconia. <i>Journal of Physical Chemistry C</i> , 2015, 119, 28828-28835.	1.5	34
90	Steam Reforming of Ethanol over Manganese and Iron Oxides for Hydrogen Production. <i>Adsorption Science and Technology</i> , 2015, 33, 715-721.	1.5	6

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91	Effect of the Size of Iron Nanoparticles on the Catalytic Activity and Selectivity of Fe/Cnt Nanocomposites in Hydrogenolysis of Ethylene. <i>Theoretical and Experimental Chemistry</i> , 2015, 51, 115-121.	0.2	2
92	Catalytic Properties of Various Types of Sulfonated Cation-Exchange Resins in the Synthesis of Isopropyl Tert-Butyl Ether. <i>Theoretical and Experimental Chemistry</i> , 2015, 51, 127-132.	0.2	2
93	Effect of the Carbon Support on the Catalytic Activity of Platinum Nanoparticles in the Water Gas Shift Reaction. <i>Theoretical and Experimental Chemistry</i> , 2015, 51, 236-242.	0.2	1
94	Catalytic Properties of CuFe ₂ O ₄ in Steam Reforming of Ethanol. <i>Theoretical and Experimental Chemistry</i> , 2015, 51, 230-235.	0.2	5
95	Hybrid Inorganic-Organic Acid Materials: Characterization and Catalytic Performance in Ethyl Tert-Butyl-Ether Synthesis. <i>Himia, Fizika Ta Tehnologija Poverhni</i> , 2015, 4, 113-119.	0.2	1
96	Size Effect In The Inhibition of the Liquid-Phase Oxidation of Benzyl Alcohol by Iron(III) Oxide-Hydroxide Nanoparticles. <i>Theoretical and Experimental Chemistry</i> , 2014, 50, 304-310.	0.2	0
97	Adsorption-Desorption Dynamics of Alcohols on H-Beta and H-CMK Zeolites Nanocrystallites Studied by Quartz Crystal Microbalance Method. <i>Adsorption Science and Technology</i> , 2014, 32, 807-820.	1.5	5
98	Catalytic Properties of Nanosized Cu/ZrO ₂ Systems in the Steam Reforming of Bioethanol. <i>Theoretical and Experimental Chemistry</i> , 2014, 50, 46-52.	0.2	3
99	Influence of Size of Platinum Nanoparticles Supported on γ -Al ₂ O ₃ on Their Catalytic Properties in CO Hydrogenation. <i>Theoretical and Experimental Chemistry</i> , 2014, 50, 232-236.	0.2	0
100	Effect of the Morphology of Sulfo Cation Exchangers on their Catalytic Properties in the Preparation of Ethyl tert-Butyl Ether. <i>Theoretical and Experimental Chemistry</i> , 2014, 49, 376-380.	0.2	2
101	Selectivity of Mesoporous Zirconium-Tungstate Oxide Systems in the Catalytic Conversion of Glycerin to Acrolein. <i>Theoretical and Experimental Chemistry</i> , 2014, 49, 390-395.	0.2	2
102	Direct Identification of Volatile Organic Vapors in Complex Mixtures: Advanced Chemical Imaging of Analytes by Cross-Reactive Sensor Arrays with Temporal Separation. <i>Sensor Letters</i> , 2014, 12, 1259-1266.	0.4	5
103	Current Problems of Nanocatalysis. <i>Visnik Nacional Noi Akademii Nauk Ukrai Ni</i> , 2014, , 16-24.	0.0	1
104	Catalytic properties of graphene material in the hydrogenation of ethylene. <i>Theoretical and Experimental Chemistry</i> , 2013, 48, 367-370.	0.2	17
105	Influence of the Composition of Nanosized MFe ₂ O ₄ Spinels (M = Ni, Co, Mn) on Their Catalytic Properties in the Steam Reforming of Ethanol. <i>Theoretical and Experimental Chemistry</i> , 2013, 49, 185-192.	0.2	6
106	Production of Hydrogen by Steam Reforming of Ethanol. <i>Theoretical and Experimental Chemistry</i> , 2013, 49, 277-297.	0.2	14
107	Size-controlled synthesis of platinum nanoparticles supported on γ -Al ₂ O ₃ and their thermal stability. <i>Theoretical and Experimental Chemistry</i> , 2013, 48, 376-380.	0.2	3
108	Catalytic properties of M-Cu/ZrO ₂ (M = Fe, Co, Ni) in steam reforming of ethanol. <i>Theoretical and Experimental Chemistry</i> , 2013, 48, 386-393.	0.2	5

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109	Nanosize effects in heterogeneous catalysis. Theoretical and Experimental Chemistry, 2013, 49, 2-21.	0.2	39
110	Relationship between yield of hydrogen in steam reforming of ethanol and selectivity with respect to carbon-containing products. Theoretical and Experimental Chemistry, 2013, 49, 109-114.	0.2	5
111	Effect of the Support of Nickel-Containing Catalysts for the Synthesis of Carbon Nanotubes on Their Internal and External Diameters. Theoretical and Experimental Chemistry, 2013, 49, 121-125.	0.2	6
112	Deposition of Monodisperse Platinum Nanoparticles of Controlled Size on Different Supports. Advances in Nanoparticles, 2013, 02, 32-38.	0.3	12
113	Structure Characterization of Nanocrystalline Ytria- Stabilized Zirconia Powders Prepared via Microwave-Assisted Synthesis. Journal of Physical Chemistry C, 2012, 116, 9762-9768.	1.5	24
114	Size effect of Fe nanoparticles supported on carbon nanotubes on their activity and selectivity in the hydrogenation of crotonaldehyde. Theoretical and Experimental Chemistry, 2012, 48, 194-198.	0.2	6
115	Catalysis of steam reforming of ethanol by nanosized manganese ferrite for hydrogen production. Theoretical and Experimental Chemistry, 2012, 48, 129-134.	0.2	10
116	TPR Study of Core-Shell Fe ₃ O ₄ Nanoparticles Supported on Activated Carbon and Carbon Nanotubes. Advances in Materials Physics and Chemistry, 2012, 02, 17-22.	0.3	14
117	Fractal dimension of zirconia nanopowders and their activity in the CO oxidation. Catalysis Communications, 2011, 12, 766-771.	1.6	12
118	Effect of adsorption-desorption of reaction mixture components on ethyl-tert-butyl ether synthesis over commercial sulfonic acid resins. Catalysis Communications, 2011, 12, 1142-1145.	1.6	13
119	Geometric and electronic approaches to size effects in heterogeneous catalysis. Kinetics and Catalysis, 2011, 52, 128-138.	0.3	14
120	Effect of crystalline modification of the support on the reduction and catalytic properties of Cu/ZrO ₂ catalysts in the steam reforming of bioethanol. Theoretical and Experimental Chemistry, 2011, 47, 324-330.	0.2	9
121	Influence of the nature of alkaline earth element on the catalytic properties of perovskites with the composition La _{1-3x} Li _x M _{2x} CoO _{3±δ} (M = Ca, Sr, Ba; δ = 0.05) in the oxidation of CO. Theoretical and Experimental Chemistry, 2011, 47, 183-187.	0.2	9
122	Effect of the size of Fe ₃ O ₄ nanoparticles deposited on carbon nanotubes on their oxidation-reduction characteristics. Theoretical and Experimental Chemistry, 2011, 47, 219-224.	0.2	5
123	Activity of copper-cerium-zirconium catalysts in oxidation of hydrogen. Theoretical and Experimental Chemistry, 2011, 47, 251-256.	0.2	2
124	Low temperature hydrogen purification from CO for fuel cell application over copper-ceria catalysts supported on different oxides. International Journal of Hydrogen Energy, 2011, 36, 1271-1275.	3.8	20
125	Size effect in CO oxidation over magnesia-supported ZnO nanoparticles. Journal of Molecular Catalysis A, 2011, 335, 14-23.	4.8	20
126	Catalytic characteristics of massive and loaded sulfonic resins in the synthesis of ethyl tert-butyl ether at atmospheric and increased pressure. Theoretical and Experimental Chemistry, 2010, 46, 263-267.	0.2	0

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127	Structural parameters of carbon nanotubes obtained by the chemical vapor decomposition of ethylene onto nickel nanoparticles deposited on basic supports. <i>Theoretical and Experimental Chemistry</i> , 2010, 46, 296-301.	0.2	6
128	Fractality and activity of acid catalysts in the liquid-phase synthesis of ethyl tert-butyl ether. <i>Theoretical and Experimental Chemistry</i> , 2010, 46, 328-333.	0.2	2
129	Stirring Effect on the Belousov-Zhabotinsky Oscillating Chemical Reactions in a Batch. <i>Experimental and Modelling. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2010, 65, 132-140.	0.7	4
130	Porosity and fractality of yttria stabilized zirconia nanopowders obtained by microwave assisted synthesis and calcined at different temperature. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 941-944.	1.5	4
131	Catalytic performance of rhodium chalcogen halides and rhodium chalcogenides over silica supports in methane oxidative carbonylation. <i>Journal of Natural Gas Chemistry</i> , 2009, 18, 399-406.	1.8	6
132	The state of the components in copper-cerium catalysts supported on different oxides. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 603, 191-193.	0.7	8
133	Fractal analysis of carbon nanotube agglomerates obtained by chemical vapor decomposition of ethylene over nickel nanoparticles. <i>Theoretical and Experimental Chemistry</i> , 2009, 45, 103-107.	0.2	8
134	Effect of ZrO ₂ morphology in copper-cerium-zirconium oxide systems on their catalytic properties in the reaction of CO oxidation in hydrogen-rich mixtures. <i>Theoretical and Experimental Chemistry</i> , 2009, 45, 125-130.	0.2	5
135	Effect of fractal dimension of zirconium dioxide on its catalytic properties in the oxidation of CO. <i>Theoretical and Experimental Chemistry</i> , 2009, 45, 258-262.	0.2	2
136	Effect of acid-base characteristics of ZrO ₂ -Y ₂ O ₃ on catalytic properties in carboxylation of methanol. <i>Theoretical and Experimental Chemistry</i> , 2009, 45, 271-275.	0.2	5
137	Kinetic modeling for the conversion of synthesis gas to dimethyl ether on a mixed Cu-ZnO-Al ₂ O ₃ catalyst with γ -Al ₂ O ₃ . <i>Theoretical and Experimental Chemistry</i> , 2009, 45, 325-330.	0.2	10
138	Liquid-phase synthesis of ethyl tert-butyl ether over acid cation-exchange inorganic-organic resins. <i>Applied Catalysis A: General</i> , 2009, 362, 82-87.	2.2	28
139	Copper-cerium oxide catalysts supported on monoclinic zirconia: Structural features and catalytic behavior in preferential oxidation of carbon monoxide in hydrogen excess. <i>Applied Catalysis A: General</i> , 2009, 365, 159-164.	2.2	38
140	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
141	Chemical catalytic vapor deposition (CCVD) synthesis of carbon nanotubes by decomposition of ethylene on metal (Ni, Co, Fe) nanoparticles. <i>Reaction Kinetics and Catalysis Letters</i> , 2008, 93, 295-303.	0.6	15
142	Secondary reactions of ethylene and propylene in the Fischer-Tropsch synthesis on cobalt-aluminum and cobalt-chromium catalysts. <i>Theoretical and Experimental Chemistry</i> , 2008, 44, 121-127.	0.2	1
143	Effect of temperature on the structural characteristics of zirconium dioxide nanoparticles produced under conditions of microwave treatment. <i>Theoretical and Experimental Chemistry</i> , 2008, 44, 144-149.	0.2	3
144	Effect of the means of preparation of nanodispersed CuO/MgO catalysts on their activity in the oxidation of CO. <i>Theoretical and Experimental Chemistry</i> , 2008, 44, 172-177.	0.2	7

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