Peter E Strizhak

List of Publications by Year
in descending order

242	1,750	304368 22	476904 29
papers	citations	h-index	g-index

245	245	245	1718
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Complex Transient Oscillations in the Belousov-Zhabotinskii Reaction in a Batch Reactor. The Journal of Physical Chemistry, 1995, 99, 10830-10833.	2.9	52
2	Spontaneous Formation of Cellular Chemical System that Sustains Itself far from Thermodynamic Equilibrium. Journal of Physical Chemistry B, 2004, 108, 4937-4939.	1.2	42
3	Potential of chaotic chemical systems in nanotrace analysis based on the Belousovâ€"Zhabotinskii reaction (BrOâ^'3â€"malonic acidâ€"ferroin). Determination of manganese(II). Talanta, 1993, 40, 1227-1232.	2.9	41
4	Nanosize effects in heterogeneous catalysis. Theoretical and Experimental Chemistry, 2013, 49, 2-21.	0.2	39
5	Copperâ€"cerium oxide catalysts supported on monoclinic zirconia: Structural features and catalytic behavior in preferential oxidation of carbon monoxide in hydrogen excess. Applied Catalysis A: General, 2009, 365, 159-164.	2.2	38
6	Slow manifold structure and the emergence of mixed-mode oscillations. Journal of Chemical Physics, 1997, 107, 2881-2889.	1.2	37
7	Structure and State of Copper Oxide Species Supported on Yttria-Stabilized Zirconia. Journal of Physical Chemistry C, 2009, 113, 21368-21375.	1.5	36
8	Structure of Copper Oxide Species Supported on Monoclinic Zirconia. Journal of Physical Chemistry C, 2015, 119, 28828-28835.	1.5	34
9	Determination of traces of thallium using the transient chaotic regime in the Belousovâ€"Zhabotinskii oscillating chemical reaction. Analytica Chimica Acta, 2001, 428, 15-21.	2.6	32
10	The use of industrial dehydrogenation catalysts for hydrogen production from bioethanol. International Journal of Hydrogen Energy, 2006, 31, 1607-1610.	3.8	32
11	Slow passage through a supercritical Hopf bifurcation: Timeâ€delayed response in the Belousovâ€"Zhabotinsky reaction in a batch reactor. Journal of Chemical Physics, 1996, 105, 10905-10910.	1.2	31
12	Period adding and broken Farey tree sequence of bifurcations for mixed-mode oscillations and chaos in the simplest three-variable nonlinear system. Journal of Chemical Physics, 2000, 112, 6122-6130.	1.2	29
13	Liquid-phase synthesis of ethyl tert-butyl ether over acid cation-exchange inorganicâ€"organic resins. Applied Catalysis A: General, 2009, 362, 82-87.	2.2	28
14	Non-Fickian diffusion of methanol in mesoporous media: Geometrical restrictions or adsorption-induced?. Journal of Chemical Physics, 2017, 146, 124704.	1.2	28
15	Differences in the structure and functionalities of graphene oxide and reduced graphene oxide obtained from graphite with various degrees of graphitization. Journal of Physics and Chemistry of Solids, 2022, 164, 110614.	1.9	27
16	Complex mixed-mode periodic and chaotic oscillations in a simple three-variable model of nonlinear system. Chaos, 2000, 10, 299-310.	1.0	25
17	Yttria-Stabilized Zirconia as a High-Performance Catalyst for Ethanol to n-Butanol Guerbet Coupling. ACS Omega, 2019, 4, 21469-21476.	1.6	25
18	The Effect of Ceria Content on the Acidâ€"Base and Catalytic Characteristics of ZrO2â€"CeO2 Oxide Compositions in the Process of Ethanol to n-Butanol Condensation. Catalysis Letters, 2020, 150, 234-242.	1.4	25

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19	Synthesis, spectroscopic and redox behaviour of some copper(II) and copper(I) biomimetic complexes. Inorganica Chimica Acta, 1988, 151, 133-137.	1.2	24
20	Nonlinear Dynamics of the BZ Reaction: A Simple Experiment that Illustrates Limit Cycles, Chaos, Bifurcations, and Noise. Journal of Chemical Education, 1996, 73, 868.	1.1	24
21	Oxidation of ascorbic acid by air oxygen catalyzed by copper(II) ions in batch and continuous flow stirred tank reactors: bistability, oscillations and stochastic resonance. Physical Chemistry Chemical Physics, 2000, 2, 4721-4727.	1.3	24
22	Structure Characterization of Nanocrystalline Yttria- Stabilized Zirconia Powders Prepared via Microwave-Assisted Synthesis. Journal of Physical Chemistry C, 2012, 116, 9762-9768.	1.5	24
23	Potential of the analyte pulse perturbation technique for the determination of polyphenols based on the Belousovâ€“Zhabotinskii reaction. Analyst, The, 2000, 125, 2118-2124.	1.7	21
24	Low temperature hydrogen purification from CO for fuel cell application over copperâ€“ceria catalysts supported on different oxides. International Journal of Hydrogen Energy, 2011, 36, 1271-1275.	3.8	20
25	Size effect in CO oxidation over magnesia-supported ZnO nanoparticles. Journal of Molecular Catalysis A, 2011, 335, 14-23.	4.8	20
26	An investigation of anomalous time-fractional diffusion of isopropyl alcohol in mesoporous silica. International Journal of Heat and Mass Transfer, 2017, 104, 493-502.	2.5	20
27	Single-step synthesis of metal-coated well-aligned CNx nanotubes using an aerosol-technique. Carbon, 2007, 45, 2889-2896.	5.4	19
28	Relationship between the anomalous diffusion and the fractal dimension of the environment. Chemical Physics, 2018, 503, 71-76.	0.9	18
29	Infinite period and Hopf bifurcations for thepHâ€regulated oscillations in a semibatch reactor (H2O2â€“Cu2+â€“S2O2â¯3â€“NaOH system). Chaos, 1996, 6, 461-465.	1.0	17
30	Catalytic properties of graphene material in the hydrogenation of ethylene. Theoretical and Experimental Chemistry, 2013, 48, 367-370.	0.2	17
31	Catalytic Activity of Multiwalled Carbon Nanotubes in Acetylene Hydrogenation. ChemCatChem, 2017, 9, 4470-4474.	1.8	17
32	Determination of gases (NO, CO, Cl2) using mixed-mode regimes in the Belousovâ€“Zhabotinskii oscillating chemical reaction. Talanta, 2000, 51, 935-947.	2.9	15
33	Chemical catalytic vapor deposition (CCVD) synthesis of carbon nanotubes by decomposition of ethylene on metal (Ni, Co, Fe) nanoparticles. Reaction Kinetics and Catalysis Letters, 2008, 93, 295-303.	0.6	15
34	Effect of Modifying Additives on the Catalytic Properties of Zirconium Dioxide in the Conversion of Ethanol Into 1-Butanol. Theoretical and Experimental Chemistry, 2019, 55, 43-49.	0.2	15
35	Insight into the active site nature of zeolite H-BEA for liquid phase etherification of isobutylene with ethanol. RSC Advances, 2019, 9, 35957-35968.	1.7	15
36	Multifractal Properties of Copper Sulfide Film Formed in Self-Organizing Chemical System. Theoretical and Experimental Chemistry, 2002, 38, 259-262.	0.2	14

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37	Geometric and electronic approaches to size effects in heterogeneous catalysis. Kinetics and Catalysis, 2011, 52, 128-138.	0.3	14
38	Production of Hydrogen by Steam Reforming of Ethanol. Theoretical and Experimental Chemistry, 2013, 49, 277-297.	0.2	14
39	Catalytic properties of reduced graphene oxide in acetylene hydrogenation. Carbon, 2020, 157, 277-285.	5.4	14
40	TPR Study of Core-Shell Fe@Fe₃O₄ Nanoparticles Supported on Activated Carbon and Carbon Nanotubes. Advances in Materials Physics and Chemistry, 2012, 02, 17-22.	0.3	14
41	Title is missing!. Kinetics and Catalysis, 2002, 43, 233-244.	0.3	13
42	Methane oxidative carbonylation catalyzed by rhodium chalcogen halides over carbon supports. Journal of Natural Gas Chemistry, 2008, 17, 1-7.	1.8	13
43	Effect of adsorptionâ€“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
44	New oscillation reactions and pattern formation in dioxygen systems. Chemical Physics Letters, 1991, 186, 15-18.	1.2	12
45	Effect of the nature of the support for copper-cerium oxide catalysts on selective oxidation of CO in hydrogen-rich mixtures. Theoretical and Experimental Chemistry, 2006, 42, 133-138.	0.2	12
46	Fractal dimension of zirconia nanopowders and their activity in the CO oxidation. Catalysis Communications, 2011, 12, 766-771.	1.6	12
47	Deposition of Monodisperse Platinum Nanoparticles of Controlled Size on Different Supports. Advances in Nanoparticles, 2013, 02, 32-38.	0.3	12
48	Quartz crystal microbalance modified with Cu(II) stearate and octadecylamine co-ordination chemical compounds for detection of volatile organic compounds. Sensors and Actuators B: Chemical, 2007, 126, 375-381.	4.0	11
49	Morphology of carbon nanotubes, obtained by decomposition of ethylene on nickel nanoparticles at various rates of flow and concentration of C2H4. Theoretical and Experimental Chemistry, 2008, 44, 240-244.	0.2	10
50	Synthesis of Nanosized ZnO/MgO Solid and Its Catalytic Activity for CO Oxidation. Chinese Journal of Catalysis, 2008, 29, 1079-1083.	6.9	10
51	Synthesis and characterization of ZnO/MgO solids prepared by deposition of preformed colloidal ZnO nanoparticles. Materials Letters, 2008, 62, 4094-4096.	1.3	10
52	Kinetic modeling for the conversion of synthesis gas to dimethyl ether on a mixed Cu-ZnO-Al2O3 catalyst with Î³-Al2O3. Theoretical and Experimental Chemistry, 2009, 45, 325-330.	0.2	10
53	Catalysis of steam reforming of ethanol by nanosized manganese ferrite for hydrogen production. Theoretical and Experimental Chemistry, 2012, 48, 129-134.	0.2	10
54	Methanol carboxylation over zirconium dioxide: Effect of catalyst phase composition on its acidâ€“base spectrum and direction of catalytic transformations. Canadian Journal of Chemical Engineering, 2016, 94, 745-751.	0.9	10

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55	Asymptotic Greenâ€™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
56	Non-Fickian Transport in Porous Media: Always Temporally Anomalous?. Transport in Porous Media, 2018, 124, 309-323.	1.2	10
57	Direct fabrication of graphene oxide fiber by injection spinning for flexible and wearable electronics. Journal of Materials Science, 2020, 55, 12065-12081.	1.7	10
58	A kinetic study on the methanol conversion to dimethyl ether over H-ZSM-5 zeolite. Chemical Papers, 2021, 75, 3429-3442.	1.0	10
59	Return map approach to description of the deterministic chaos in cytosolic calcium oscillations. Journal of Biological Physics, 1995, 21, 233-239.	0.7	9
60	Macrokinetics of Chemical Processes on Porous Catalysts Having Regard to Anomalous Diffusion. Theoretical and Experimental Chemistry, 2004, 40, 203-208.	0.2	9
61	Catalytic synthesis of carbon nanotubes from ethylene in the presence of water vapor. Theoretical and Experimental Chemistry, 2006, 42, 234-238.	0.2	9
62	Effect of crystalline modification of the support on the reduction and catalytic properties of Cu/ZrO2 catalysts in the steam reforming of bioethanol. Theoretical and Experimental Chemistry, 2011, 47, 324-330.	0.2	9
63	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
64	Carbon nanotubes catalytic activity in the ethylene hydrogenation. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 804-809.	1.0	9
65	Crossover between Fickian and non-Fickian diffusion in a system with hierarchy. Microporous and Mesoporous Materials, 2019, 282, 22-28.	2.2	9
66	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
67	Activity and stability of Ni/Al2O3 catalysts in carbon dioxide conversion of methane as influenced by alkali metal oxide additives (K2O, Na2O, Li2O). Russian Journal of Applied Chemistry, 2007, 80, 1883-1887.	0.1	8
68	Fractal approach to the CO oxidation on silica porous materials. Chemical Physics Letters, 2008, 460, 492-494.	1.2	8
69	Temporal and Spatial Organization of Chemical and Hydrodynamic Processes. The System Pb²⁺â^'Chloriteâ^'Thiourea. Journal of Physical Chemistry A, 2008, 112, 4584-4592.	1.1	8
70	The state of the components in copperâ€“cerium catalysts supported on different oxides. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 603, 191-193.	0.7	8
71	Fractal analysis of carbon nanotube agglomerates obtained by chemical vapor decomposition of ethylene over nickel nanoparticles. Theoretical and Experimental Chemistry, 2009, 45, 103-107.	0.2	8
72	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

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73	Methanol conversion to olefins on H-ZSM-5/Al2O3 catalysts: kinetic modeling. Reaction Kinetics, Mechanisms and Catalysis, 2018, 123, 247-268.	0.8	8
74	Macroscale modeling the methanol anomalous transport in the porous pellet using the time-fractional diffusion and fractional Brownian motion: A model comparison. Communications in Nonlinear Science and Numerical Simulation, 2019, 79, 104922.	1.7	8
75	Stochastic Resonance in a Bistable Chemical System: The Oxidation of Ascorbic Acid by Oxygen Catalyzed by Copper(ii) Ions. Angewandte Chemie - International Edition, 2000, 39, 4573-4576.	7.2	7
76	Effect of temperature and small amounts of metal ions on transient chaos in the batch Belousovâ€“Zhabotinsky system. Chemical Physics Letters, 2001, 340, 55-61.	1.2	7
77	The effect of oxygen on time-dependent bifurcations in the Belousovâ€“Zhabotinsky oscillating chemical reaction in a batch. Physical Chemistry Chemical Physics, 2005, 7, 1680-1686.	1.3	7
78	Influence of the conditions of manufacture of nanomeric zirconium dioxide, stabilized with yttrium oxide, on its catalytic properties in the oxidation of CO. Theoretical and Experimental Chemistry, 2007, 43, 102-107.	0.2	7
79	Effect of the means of preparation of nanodispersed CuO/MgO catalysts on their activity in the oxidation of CO. Theoretical and Experimental Chemistry, 2008, 44, 172-177.	0.2	7
80	Thiele modulus having regard to the anomalous diffusion in a catalyst pellet. Chaos, Solitons and Fractals, 2018, 109, 58-63.	2.5	7
81	Catalytic two-step process for the production of propylene from bioethanol. Theoretical and Experimental Chemistry, 2019, 55, 50-55.	0.2	7
82	Highly selective hydrogenation of acetylene over reduced graphene oxide carbocatalyst. Materialia, 2021, 18, 101163.	1.3	7
83	Formation of CuS fractal films induced by spatial patterns in self-organized chemically reactive media (H2Ascî—¸CuL2+î—¸O2î—¸MB+î—¸HSâ^' system). Chemical Physics Letters, 1995, 241, 360-364.	1.2	6
84	Stirring Effect on Bistability in a CSTR. 1. Experiments and Simulations for the AsO33-/IO3-Reaction. Journal of Physical Chemistry A, 1999, 103, 10859-10865.	1.1	6
85	Effect of NO, CO, and Cl2 on Mixed-Mode Regimes in the Belousovâ^'Zhabotinskyi Oscillating Chemical Reaction in a CSTR. Journal of Physical Chemistry A, 2002, 106, 2505-2511.	1.1	6
86	APPLICATION OF CHEMICAL CHAOS TO ANALYTICAL CHEMISTRY. International Journal of Modeling, Simulation, and Scientific Computing, 2003, 06, 137-153.	0.9	6
87	Catalytic perfomance of rhodium chalcogen halides and rhodium chalcogenides over silica supports in methane oxidative carbonylation. Journal of Natural Gas Chemistry, 2009, 18, 399-406.	1.8	6
88	Structural parameters of carbon nanotubes obtained by the chemical vapor decomposition of ethylene onto nickel nanoparticles deposited on basic supports. Theoretical and Experimental Chemistry, 2010, 46, 296-301.	0.2	6
89	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
90	Influence of the Composition of Nanosized MFe2O4 Spinels (M = Ni, Co, Mn) on Their Catalytic Properties in the Steam Reforming of Ethanol. Theoretical and Experimental Chemistry, 2013, 49, 185-192.	0.2	6

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91	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
92	Steam Reforming of Ethanol over Manganese and Iron Oxides for Hydrogen Production. Adsorption Science and Technology, 2015, 33, 715-721.	1.5	6
93	Crucial Role of Weak Acid Sites for Catalytic Performance of Zeolites in Ethyl tert-butyl Ether Synthesis. Chemical Engineering Communications, 2017, 204, 937-941.	1.5	6
94	Two-Path Conversion of Methanol to Olefins on H-ZSM-5/Al2O3 Catalyst. Theoretical and Experimental Chemistry, 2017, 53, 130-137.	0.2	6
95	Comparative study of the methane and methanol mass transfer in the mesoporous H-ZSM-5/alumina extruded pellet. Heat and Mass Transfer, 2018, 54, 1913-1924.	1.2	6
96	Catalytic Activity of N-Doped Reduced Graphene Oxide in the Hydrogenation of Ethylene and Acetylene. Theoretical and Experimental Chemistry, 2018, 54, 218-224.	0.2	6
97	Investigation of the anomalous diffusion in the porous media: a spatiotemporal scaling. Heat and Mass Transfer, 2019, 55, 2693-2702.	1.2	6
98	Direct anchoring of Eu3+ complex to derivative surfaces of multi-wall carbon nanotubes (Eu@DSCNTs) for linear fluorescence nanomaterials. Journal of Alloys and Compounds, 2021, 853, 156880.	2.8	6
99	Stirring Effect on Bistability in a CSTR. 2. Theoretical Analysis of the Coalescenceâ˜Redispersion Model for One-Variable Systems. Journal of Physical Chemistry A, 1999, 103, 10866-10873.	1.1	5
100	Structural determination of ceriaâ€“zirconia nanosystem doped by Gd. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 575, 91-95.	0.7	5
101	Effect of ZrO2 morphology in copperâ€“ceriumâ€“zirconium oxide systems on their catalytic properties in the reaction of co oxidation in hydrogen-rich mixtures. Theoretical and Experimental Chemistry, 2009, 45, 125-130.	0.2	5
102	Effect of acidâ€“base characteristics of ZrO2â€“Y2O3 on catalytic properties in carboxylation of methanol. Theoretical and Experimental Chemistry, 2009, 45, 271-275.	0.2	5
103	Effect of the size of Fe@Fe3O4 nanoparticles deposited on carbon nanotubes on their oxidationâ€“reduction characteristics. Theoretical and Experimental Chemistry, 2011, 47, 219-224.	0.2	5
104	Catalytic properties of M-Cu/ZrO2 (M = Fe, Co, Ni) in steam reforming of ethanol. Theoretical and Experimental Chemistry, 2013, 48, 386-393.	0.2	5
105	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
106	Adsorptionâ€”Desorption Dynamics of Alcohols on H-Beta and H-CMK Zeolites Nanocrystallites Studied by Quartz Crystal Microbalance Method. Adsorption Science and Technology, 2014, 32, 807-820.	1.5	5
107	Catalytic Properties of CuFe2O4 in Steam Reforming of Ethanol. Theoretical and Experimental Chemistry, 2015, 51, 230-235.	0.2	5
108	Effect of the Method of Production of Reduced Graphene Oxide on its Catalytic Activity in the Hydrogenation of Ethylene. Theoretical and Experimental Chemistry, 2019, 55, 274-279.	0.2	5

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109	Diffusion of C6 cyclic hydrocarbons in ZSM-5 zeolite: From single nanocrystal to packed pellet. Microporous and Mesoporous Materials, 2020, 292, 109773.	2.2	5
110	Strongly enhanced efficiency of polymer solar cells through unzipped SWNT hybridization in the hole transport layer. RSC Advances, 2020, 10, 24847-24854.	1.7	5
111	Advectionâ€“diffusion in a porous medium with fractal geometry: fractional transport and crossovers on time scales. Meccanica, 2022, 57, 833-843.	1.2	5
112	Direct Identification of Volatile Organic Vapors in Complex Mixtures: Advanced Chemical Imaging of Analytes by Cross-Reactive Sensor Arrays with Temporal Separation. Sensor Letters, 2014, 12, 1259-1266.	0.4	5
113	Experimental Veriï¬cation of the Time-Fractional Dïï¬€usion of Methanol in Silica. Journal of Applied Nonlinear Dynamics, 2017, 6, 135-151.	0.1	5
114	Effect of copper(II) ions on kinetics of ascorbic acid oxidation by methylene blue. Theoretical and Experimental Chemistry, 1995, 30, 239-244.	0.2	4
115	Conditions for Mixed Mode Oscillations and Deterministic Chaos in Nonlinear Chemical Systems. Theoretical and Experimental Chemistry, 2002, 38, 301-307.	0.2	4
116	New coating materials for hydrocarbon discrimination using a multisensor system and gas chromatography. Theoretical and Experimental Chemistry, 2005, 41, 389-394.	0.2	4
117	The effect of fractal dimension of porous catalysts on the activation energy of CO oxidation. Theoretical and Experimental Chemistry, 2007, 43, 50-53.	0.2	4
118	Studies of the Adsorption of Organic Vapours by Metal Stearates and Their Complexes with Octadecylamine in a Flow Impulse Regime by Piezoquartz Sensor Techniques. Adsorption Science and Technology, 2008, 26, 15-28.	1.5	4
119	Stirring Effect on the Belousov-Zhabotinsky Oscillating Chemical Reactions in a Batch. Experimental and Modelling. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 132-140.	0.7	4
120	Porosity and fractality of yttria stabilized zirconia nanopowders obtained by microwave assisted synthesis and calcined at different temperature. Journal of Non-Crystalline Solids, 2010, 356, 941-944.	1.5	4
121	Catalytic properties of RhSe2/Ga/H-ZSM-5 system in the reaction of glycerol dehydration in the gas phase. Russian Journal of Applied Chemistry, 2016, 89, 233-237.	0.1	4
122	Effect of Temperature on the Equilibrium Yield of Propylene in Catalytic Processes of Ethanol Conversion. Theoretical and Experimental Chemistry, 2016, 52, 175-183.	0.2	4
123	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
124	Acidâ€“Base and Catalytic Properties of Sulfated Mesoporous Titanium Oxide in Glycerol Oligomerization. Theoretical and Experimental Chemistry, 2020, 56, 199-204.	0.2	4
125	Investigation of the Time-Dependent Transitions Between the Time-Fractional and Standard Diffusion in a Hierarchical Porous Material. Transport in Porous Media, 2020, 133, 497-508.	1.2	4
126	Synthesis of 15- and 18-membered polythiamacrocylic ligands. Chemistry of Heterocyclic Compounds, 1989, 25, 553-555.	0.6	3

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127	Biomimetic reduction of copper(II) tetrathia macrocyclic complexes. Inorganica Chimica Acta, 1990, 167, 47-49.	1.2	3
128	Deterministic chaos in chemistry. Theoretical and Experimental Chemistry, 1993, 28, 293-306.	0.2	3
129	Temperature dependence of quantitative characteristics of chaotic regime in Belousov-Zhabotinskii reaction. Theoretical and Experimental Chemistry, 1994, 29, 128-131.	0.2	3
130	Stirring-induced bifurcation driven by the chaotic regime in the Belousovâ€"Zhabotinsky reaction in a CSTR. Chemical Physics Letters, 1995, 243, 540-544.	1.2	3
131	Quantitative studies on the respiratory burst generated in peritoneal macrophages. Journal of Photochemistry and Photobiology B: Biology, 1999, 50, 159-165.	1.7	3
132	Macroscopically structured polymer formation governed by spatial patterns in the Belousovâ€"Zhabotinsky reaction. Chemical Physics Letters, 2002, 363, 534-539.	1.2	3
133	Scalings of mixed-mode regimes in a simple polynomial three-variable model of nonlinear dynamical systems. Chaos, 2003, 13, 112-122.	1.0	3
134	Influence of the fractal nature and dipersity of deposited metal catalysts on the kinetics of the hydrogenation of acetone. Theoretical and Experimental Chemistry, 2007, 43, 108-113.	0.2	3
135	Kinetic models of the molecular mass distribution of the products of the Fischer-Tropsch synthesis at cobalt catalysts. Theoretical and Experimental Chemistry, 2007, 43, 361-379.	0.2	3
136	Effect of temperature on the structural characteristics of zirconium dioxide nanoparticles produced under conditions of microwave treatment. Theoretical and Experimental Chemistry, 2008, 44, 144-149.	0.2	3
137	Size-controlled synthesis of platinum nanoparticles supported on Î³-Al2O3 and their thermal stability. Theoretical and Experimental Chemistry, 2013, 48, 376-380.	0.2	3
138	Catalytic Properties of Nanosized Cu/ZrO2 Systems in the Steam Reforming of Bioethanol. Theoretical and Experimental Chemistry, 2014, 50, 46-52.	0.2	3
139	Adsorptionâ€"desorption of ethanol on sulfonated resin catalysts for ethyl-tert-butyl ether synthesis. Adsorption Science and Technology, 2017, 35, 630-640.	1.5	3
140	Effect of H-ZSM-5/Al2O3 Catalyst Acidity on the Conversion of Methanol. Theoretical and Experimental Chemistry, 2017, 53, 276-282.	0.2	3
141	Catalytic Cracking of Triglycerides on Î±-FeOOH Nanoparticles. Theoretical and Experimental Chemistry, 2017, 53, 199-203.	0.2	3
142	Effect of ultrasonic treatment of the mechanically mixed nanosized CuOâ€"MgO solids on their catalytic properties in the CO oxidation. Chemical Engineering Communications, 2018, 205, 797-804.	1.5	3
143	Diffusion in hierarchical silica monoliths: impact of pore size and probe molecule. Heat and Mass Transfer, 2020, 56, 3199-3207.	1.2	3
144	A two-step strategy for the selective conversion of ethanol to propene and hydrogen. Chemical Papers, 2021, 75, 5773-5779.	1.0	3

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145	Improved Mechanical, Anti-UV Irradiation, and Imparted Luminescence Properties of Cyanate Ester Resin/Unzipped Multiwalled Carbon Nanotubes/Europium Nanocomposites. Materials, 2021, 14, 4244.	1.3	3
146	Kinetics of oxidation of ascorbic acid by methylene blue in acid solutions. Theoretical and Experimental Chemistry, 1994, 29, 283-286.	0.2	2
147	New Approach to Synthesis of Fractal Materials with a given Fractal Dimension. Synthesis and Some Properties of Amorphous Fractal Films of Copper Sulfide. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1995, 99, 1226-1229.	0.9	2
148	‹title›Mechanism of in-vivo photodynamic effects‹/title›. , 1996, , .		2
149	Kinetic scheme for a ferroin-catalyzed belousov-zhabotinskii reaction with compound-period transient states. Theoretical and Experimental Chemistry, 1998, 34, 138-143.	0.2	2
150	Inhomogeneities of CSTR on a Macroscale Due to Spatial Dependence of Micromixing Time:â€‰ The BZ Reaction. Journal of Physical Chemistry A, 1998, 102, 188-191.	1.1	2
151	The Effect of Mixing-Induced Noise on Second Order Reactions in a CSTR. Journal of the American Chemical Society, 1998, 120, 1343-1344.	6.6	2
152	Multifractal properties of polycrystalline gold films. , 1999, 3904, 374.		2
153	Influence of ion-exchange and impregnation modification of zeolite X on its catalytic properties in the alkylation of toluene with methanol. Theoretical and Experimental Chemistry, 2006, 42, 37-42.	0.2	2
154	New cluster-type rhodium selenochlorides in oxidative carbonylation of methane. Russian Journal of Applied Chemistry, 2007, 80, 193-200.	0.1	2
155	The effect of fractal dimensionality and dispersion of catalysts on the rate of heterogeneous catalytic reactions involving carbon oxides. Theoretical and Experimental Chemistry, 2007, 43, 287-296.	0.2	2
156	Effect of fractal dimension of zirconium dioxide on its catalytic properties in the oxidation of CO. Theoretical and Experimental Chemistry, 2009, 45, 258-262.	0.2	2
157	Fractality and activity of acid catalysts in the liquid-phase synthesis of ethyl tert-butyl ether. Theoretical and Experimental Chemistry, 2010, 46, 328-333.	0.2	2
158	Activity of copperâ€“ceriumâ€“zirconium catalysts in oxidation of hydrogen. Theoretical and Experimental Chemistry, 2011, 47, 251-256.	0.2	2
159	Effect of the Morphology of Sulfo Cation Exchangers on their Catalytic Properties in the Preparation of Ethyl tert-Butyl Ether. Theoretical and Experimental Chemistry, 2014, 49, 376-380.	0.2	2
160	Selectivity of Mesoporous Zirconium-Tungstate Oxide Systems in the Catalytic Conversion of Glycerin to Acrolein. Theoretical and Experimental Chemistry, 2014, 49, 390-395.	0.2	2
161	Physicochemical Properties and Catalytic Performance of Sulphonic Resins of Various Morphological Types in Ethyl t-Butyl Ether Synthesis. Adsorption Science and Technology, 2015, 33, 545-551.	1.5	2
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