

# Evgeny Yu. Gerasimov

## List of Publications by Year in descending order

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210  
papers

3,405  
citations

159585

30  
h-index

265206

42  
g-index

210  
all docs

210  
docs citations

210  
times ranked

3300  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogarnet-derived Rh/TiO <sub>2</sub> catalysts with a low rhodium content for a photocatalytic hydrogen production. <i>Materials Letters</i> , 2022, 307, 130997.	2.6	2
2	Cooperative effect of PdOx and SiO <sub>2</sub> in CO detection by SnO <sub>2</sub> -based gas sensors: Thorough operando DRIFTS analysis. <i>Journal of Alloys and Compounds</i> , 2022, 893, 162297.	5.5	3
3	Investigation of the regeneration of NiMoP/Al <sub>2</sub> O <sub>3</sub> hydrotreating catalysts. <i>Applied Catalysis A: General</i> , 2022, 630, 118447.	4.3	3
4	Effect of Phosphorus Precursor, Reduction Temperature, and Support on the Catalytic Properties of Nickel Phosphide Catalysts in Continuous-Flow Reductive Amination of Ethyl Levulinate. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1106.	4.1	14
5	Enhanced Photocatalytic Activity and Stability of Bi <sub>2</sub> WO <sub>6</sub> @ TiO <sub>2</sub> -N Nanocomposites in the Oxidation of Volatile Pollutants. <i>Nanomaterials</i> , 2022, 12, 359.	4.1	17
6	Synthesis of Nanocomposites and Catalysis Applications. <i>Nanomaterials</i> , 2022, 12, 731.	4.1	2
7	The Influence of Argon Cluster Ion Bombardment on the Characteristics of AlN Films on Glass-Ceramics and Si Substrates. <i>Nanomaterials</i> , 2022, 12, 670.	4.1	3
8	Characterization and Hydroisomerization Performance of Mg-Promoted, Pt/ZSM-23-Based Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	2.0	1
9	The Influence of Oxygen Activity on Phase Composition, Crystal Structure, and Electrical Conductivity of Ca <sub>1-x</sub> MoxO <sub>3±δ</sub> . <i>Crystals</i> , 2022, 12, 419.	2.2	0
10	Unusual Lattice Parameters Behavior for La <sub>1.9</sub> Ca <sub>0.1</sub> NiO <sub>4+δ</sub> at the Temperatures below Oxygen Loss. <i>Crystals</i> , 2022, 12, 344.	2.2	4
11	One-Dimensional Red-Phosphorus Chains Encapsulated within Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2022, 16, 6002-6012.	14.6	14
12	Synthesis and characterization of lanthanum-modified pseudoboehmite - The precursor of alumina supports and catalysts. <i>Microporous and Mesoporous Materials</i> , 2022, 335, 111800.	4.4	5
13	The activation of MnOx-ZrO <sub>2</sub> catalyst in CO oxidation: Operando XRD study. <i>Materials Letters</i> , 2022, 315, 131961.	2.6	3
14	Broadening the Action Spectrum of TiO <sub>2</sub> -Based Photocatalysts to Visible Region by Substituting Platinum with Copper. <i>Nanomaterials</i> , 2022, 12, 1584.	4.1	8
15	Highly efficient hydrogen production under visible light over g-C <sub>3</sub> N <sub>4</sub> -based photocatalysts with low platinum content. <i>Chemical Engineering Journal</i> , 2022, 445, 136721.	12.7	30
16	Modification of HDT catalysts of FCC feedstock by adding silica to the kneading paste of alumina support: Advantages and disadvantages. <i>Fuel</i> , 2022, 324, 124555.	6.4	9
17	Sulfuric Acid Solutions of [Pt(OH) <sub>4</sub> (H <sub>2</sub> O) <sub>2</sub> ]: A Platinum Speciation Survey and Hydrated Pt(IV) Oxide Formation for Practical Use. <i>Inorganic Chemistry</i> , 2022, 61, 9667-9684.	4.0	7
18	In situ study of solid-state synthesis of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> @Li <sub>2</sub> TiO <sub>3</sub> and Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> @TiO <sub>2</sub> composites. <i>Journal of Solid State Chemistry</i> , 2022, 313, 123302.	2.9	2

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19	Peptization of alumina by ammonia to adjust catalytic properties of NiMo/B-Al <sub>2</sub> O <sub>3</sub> hydrotreating catalysts. <i>Catalysis Today</i> , 2021, 375, 377-392.	4.4	9
20	Influence of zeolite content in NiW/Y-ASA-Al <sub>2</sub> O <sub>3</sub> catalyst for second stage hydrocracking. <i>Catalysis Today</i> , 2021, 377, 50-58.	4.4	12
21	Three-way catalysis with bimetallic supported Pd-Au catalysts: Gold as a poison and as a promotor. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119614.	20.2	12
22	Comparative study of photoreforming of glycerol on Pt/TiO <sub>2</sub> and CuOx/TiO <sub>2</sub> photocatalysts under UV light. <i>Materials Letters</i> , 2021, 283, 128901.	2.6	27
23	Silicon doping effect on the properties of the hydrotreating catalysts of FCC feedstock pretreatment. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119415.	20.2	22
24	LaMn <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> (x = 0-1) Perovskites in Methane and Carbon Monoxide Oxidation Reactions. <i>Kinetics and Catalysis</i> , 2021, 62, 146-154.	1.0	3
25	The Formation of Mn-Ce Oxide Catalysts for CO Oxidation by Oxalate Route: The Role of Annealing Conditions. <i>Catalysis Letters</i> , 2021, 151, 2906-2918.	2.6	8
26	Comparative Study of the Photocatalytic Hydrogen Evolution over Cd <sub>1-x</sub> Mn <sub>x</sub> S and CdS-I <sub>2</sub> -Mn <sub>3</sub> O <sub>4</sub> -MnOOH Photocatalysts under Visible Light. <i>Nanomaterials</i> , 2021, 11, 355.	4.1	6
27	The Formation of Mn-Ce Oxide Catalysts for CO Oxidation by Oxalate Route: The Role of Manganese Content. <i>Nanomaterials</i> , 2021, 11, 988.	4.1	7
28	Boosting hydrodesulfurization activity of CoMo/Al <sub>2</sub> O <sub>3</sub> catalyst via selective graphitization of alumina surface. <i>Microporous and Mesoporous Materials</i> , 2021, 317, 111008.	4.4	15
29	STRUCTURAL STABILITY OF PEROVSKITE La <sub>0.5</sub> Ca <sub>0.5</sub> Mn <sub>0.5</sub> Co <sub>0.5</sub> O <sub>3</sub> ± $\delta$ IN THE MEDIA WITH DIFFERENT PARTIAL PRESSURES OF OXYGEN. <i>Journal of Structural Chemistry</i> , 2021, 62, 762-770.	1.0	1
30	Sustainable Hydrogen Production from Starch Aqueous Suspensions over a Cd <sub>0.7</sub> Zn <sub>0.3</sub> -Based Photocatalyst. <i>Catalysts</i> , 2021, 11, 870.	3.5	6
31	Decomposition of Formic Acid on Pt/N-Graphene. <i>Kinetics and Catalysis</i> , 2021, 62, 518-527.	1.0	3
32	Ni-Cu High-Loaded Sol-Gel Catalysts for Dehydrogenation of Liquid Organic Hydrides: Insights into Structural Features and Relationship with Catalytic Activity. <i>Nanomaterials</i> , 2021, 11, 2017.	4.1	10
33	Effect of MAF-6 Crystal Size on Its Physicochemical and Catalytic Properties in the Cycloaddition of CO <sub>2</sub> to Propylene Oxide. <i>Catalysts</i> , 2021, 11, 1061.	3.5	19
34	Structural Insight into La <sub>0.5</sub> Ca <sub>0.5</sub> Mn <sub>0.5</sub> Co <sub>0.5</sub> O <sub>3</sub> Decomposition in the Methane Combustion Process. <i>Nanomaterials</i> , 2021, 11, 2283.	4.1	3
35	The effect of Si/Al ratio of zeolite Y in NiW catalyst for second stage hydrocracking. <i>Catalysis Today</i> , 2021, 378, 65-74.	4.4	15
36	SRGO hydrotreating over Ni-phosphide catalysts on granulated Al <sub>2</sub> O <sub>3</sub> . <i>Catalysis Today</i> , 2021, 378, 24-32.	4.4	7

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37	Is it possible to reactivate hydrotreating catalyst poisoned by silicon?. <i>Catalysis Today</i> , 2021, 378, 43-56.	4.4	8
38	Time-resolved study of Pd-Os and Pt-Os nanoalloys formation through thermal decomposition of [Pd(NH <sub>3</sub> ) <sub>4</sub> ][OsCl <sub>6</sub> ] and [Pt(NH <sub>3</sub> ) <sub>4</sub> ][OsCl <sub>6</sub> ] complex salts. <i>Materials Research Bulletin</i> , 2021, 144, 111511.	5.2	5
39	Constructing g-C <sub>3</sub> N <sub>4</sub> /Cd <sup>1+</sup> <sub>x</sub> Zn <sub>x</sub> S-Based Heterostructures for Efficient Hydrogen Production under Visible Light. <i>Catalysts</i> , 2021, 11, 1340.	3.5	9
40	Atomic Structure of Pd-, Pt-, and PdPt-Based Catalysts of Total Oxidation of Methane: In Situ EXAFS Study. <i>Catalysts</i> , 2021, 11, 1446.	3.5	4
41	Composite photocatalysts based on Cd <sub>1-x</sub> Zn <sub>x</sub> S and TiO <sub>2</sub> for hydrogen production under visible light: effect of platinum co-catalyst location. <i>RSC Advances</i> , 2021, 11, 37966-37980.	3.6	5
42	The effect of rapeseed oil and carbon monoxide on SRGO hydrotreating over sulfide CoMo/Al <sub>2</sub> O <sub>3</sub> and NiMo/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Catalysis Today</i> , 2020, 357, 526-533.	4.4	20
43	Comparative study of MWCNT and alumina supported CoMo/Al <sub>2</sub> O <sub>3</sub> hydrotreating catalysts prepared with citric acid as chelating agent. <i>Catalysis Today</i> , 2020, 357, 221-230.	4.4	32
44	Comparison of alumina supports and catalytic activity of CoMoP/Al <sub>2</sub> O <sub>3</sub> hydrotreating catalysts obtained using flash calcination of gibbsite and precipitation method. <i>Catalysis Today</i> , 2020, 353, 88-98.	4.4	12
45	Influence of alumina precursor on silicon capacity of NiMo/Al <sub>2</sub> O <sub>3</sub> guard bed catalysts for gas oil hydrotreating. <i>Catalysis Today</i> , 2020, 353, 53-62.	4.4	12
46	Spatially resolved NMR spectroscopy of heterogeneous gas phase hydrogenation of 1,3-butadiene with para-hydrogen. <i>Catalysis Science and Technology</i> , 2020, 10, 99-104.	4.1	16
47	Pairwise Parahydrogen Addition Over Molybdenum Carbide Catalysts. <i>Topics in Catalysis</i> , 2020, 63, 2-11.	2.8	14
48	Enhancement of HDO Activity of MoP/SiO <sub>2</sub> Catalyst in Physical Mixture with Alumina or Zeolites. <i>Catalysts</i> , 2020, 10, 45.	3.5	12
49	Chemical and texture promoters in Cu-Fe-Al oxide nanocomposite catalysts for combustion of solid fuel gasification products. <i>Applied Catalysis A: General</i> , 2020, 590, 117364.	4.3	15
50	Syngas conversion over perovskite-like LaCu <sub>x</sub> Ti <sub>1-x</sub> O <sub>3</sub> /KIT-6 catalysts. <i>Applied Catalysis A: General</i> , 2020, 608, 117834.	4.3	7
51	Effect of Organic Additives on the Structure and Hydrotreating Activity of a CoMoS/Multiwalled Carbon Nanotube Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 20612-20623.	3.7	9
52	Effect of the Means Used to Synthesize Highly Fluorinated Polyimide on the Properties of an Adsorbent Prepared on Its Basis. <i>Russian Journal of Physical Chemistry A</i> , 2020, 94, 1476-1481.	0.6	1
53	Synthesis of nitrogen doped segmented carbon nanofibers via metal dusting of Ni-Pd alloy. <i>Catalysis Today</i> , 2020, 388-389, 312-312.	4.4	3
54	Conversion of Oil Shale Hydroconversion Products in the Presence of Supported Nickel-Molybdenum Sulfide Catalysts. <i>Petroleum Chemistry</i> , 2020, 60, 744-750.	1.4	1

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55	New insights into the mechanism of photocatalytic hydrogen evolution from aqueous solutions of saccharides over CdS-based photocatalysts under visible light. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 30165-30177.	7.1	25
56	Total Scattering Debye Function Analysis: Effective Approach for Structural Studies of Supported MoS <sub>2</sub> -Based Hydrotreating Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 10914-10922.	3.7	11
57	Synthesis, morphology and electrochemical properties of spherulite titania nanocrystals. <i>Ceramics International</i> , 2020, 46, 24483-24487.	4.8	13
58	Effects of high mechanical treatment and long-term annealing on crystal structure and thermal stability of Ti <sub>2</sub> O <sub>3</sub> nanocrystals. <i>RSC Advances</i> , 2020, 10, 25717-25720.	3.6	4
59	Isomerization of $\alpha$ -pinene oxide to campholenic aldehyde in the presence of Al-SiO <sub>2</sub> and magnetic Al-SiO <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 130, 919-934.	1.7	2
60	The Structure of Mixed Mn-Co Oxide Catalysts for CO Oxidation. <i>Topics in Catalysis</i> , 2020, 63, 75-85.	2.8	9
61	The influence of the sacrificial agent nature on transformations of the Zn(OH) <sub>2</sub> /Cd <sub>0.3</sub> Zn <sub>0.7</sub> S photocatalyst during hydrogen production under visible light. <i>RSC Advances</i> , 2020, 10, 1341-1350.	3.6	12
62	Redox-tolerant Ti <sub>3</sub> N <sub>4</sub> for industrial Ni <sub>3</sub> P/Al <sub>2</sub> O <sub>3</sub> hydrotreating catalyst: Effect of Al <sub>2</sub> O <sub>3</sub> on the spherulitic structure. <i>Applied Catalysis A: General</i> , 2020, 592, 117421.	4.3	4
63	Synergy Effect of Au and SiO <sub>2</sub> Modification on SnO <sub>2</sub> Sensor Properties in VOCs Detection in Humid Air. <i>Nanomaterials</i> , 2020, 10, 813.	4.1	16
64	The main factors affecting the catalytic properties of Ru/Cs-HPA systems in one-pot hydrolysis-hydrogenation of cellulose to sorbitol. <i>Applied Catalysis A: General</i> , 2020, 595, 117489.	4.3	27
65	Synthesis of novel photocatalysts based on Cd <sub>1-x</sub> Mn <sub>x</sub> S solid solution for hydrogen evolution under visible light irradiation. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	2
66	Study of heteroaggregation and properties of sol-gel AlOOH-Fe <sub>3</sub> O <sub>4</sub> composites. <i>Heliyon</i> , 2020, 6, e05825.	3.2	3
67	Formation of gallic acid layer on $\gamma$ -AlOOH nanoparticles surface and their antioxidant and membrane-protective activity. <i>Journal of Inorganic Biochemistry</i> , 2019, 199, 110782.	3.5	20
68	Microstructural Changes in La <sub>0.5</sub> Ca <sub>0.5</sub> Mn <sub>0.5</sub> Fe <sub>0.5</sub> O <sub>3</sub> Solid Solutions under the Influence of Catalytic Reaction of Methane Combustion. <i>Catalysts</i> , 2019, 9, 563.	3.5	6
69	Post-mortem characterization of Rh/Ce <sub>0.75</sub> Zr <sub>0.25</sub> O <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> /FeCrAl wire mesh composite catalyst for diesel autothermal reforming. <i>Materials Letters</i> , 2019, 257, 126715.	2.6	19
70	Synthesis of multiphase Au/Cd <sub>0.6</sub> Zn <sub>0.4</sub> S/ZnS photocatalysts for improved photocatalytic performance. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 23589-23599.	7.1	8
71	Chemoselective hydrogenation of 3-nitrostyrene over Ag/TiO <sub>2</sub> -SiO <sub>2</sub> catalyst in a flow reactor. <i>Mendeleev Communications</i> , 2019, 29, 553-555.	1.6	6
72	Benzaldoxime to benzamide rearrangement catalysed by rhodium(III) hydroxocomplexes: The influence of polynuclear species. <i>Applied Catalysis A: General</i> , 2019, 587, 117242.	4.3	6

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73	Tuning the Catalytic Performance of Novel Composites Based on ZIF-8 and Nafen through Dimensional and Concentration Effects in the Synthesis of Propylene Glycol Methyl Ether. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 4215-4225.	2.4	10
74	N-Methylation of p-Anisidine on the Catalysts Based on Cu-Containing Layered Double Hydroxides. <i>Kinetics and Catalysis</i> , 2019, 60, 343-354.	1.0	7
75	Impact of titanium monoxide stoichiometry and heat treatment on the properties of TiO <sub>2</sub> /HAp nanocomposite. <i>Journal of Alloys and Compounds</i> , 2019, 800, 412-418.	5.5	11
76	Synthesis of silver nanoparticles stabilized by carboxylated methoxypolyethylene glycols: the role of carboxyl terminal groups in the particle size and morphology. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2019, 94, 287-295.	1.6	13
77	Synthesis of 10 nm size Cu/Ag core-shell nanoparticles stabilized by an ethoxylated carboxylic acid for conductive ink. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 577, 500-508.	4.7	12
78	Formation of Metallic and Carbide Phases via Codecomposition of [Ni <sub>3</sub> ]WO <sub>4</sub> and Lithium Hydride in the Range 410–1060 °C. <i>Inorganic Materials</i> , 2019, 55, 331-336.	0.8	5
79	Influence of calcination on photocatalytic properties of nonstoichiometric titanium dioxide nanotubes. <i>Journal of Alloys and Compounds</i> , 2019, 796, 293-299.	5.5	31
80	Synthesis of Cu@Ag Nanoparticles with a Core-Shell Structure Stabilized with Oxyethylated Carboxylic Acid. <i>Russian Journal of General Chemistry</i> , 2019, 89, 100-105.	0.8	5
81	Magnetic mesoporous catalytic and adsorption active Fe-Al <sub>2</sub> O <sub>3</sub> films. <i>Microporous and Mesoporous Materials</i> , 2019, 284, 225-234.	4.4	9
82	Effect of Mono-, Di-, and Triethylene Glycol on the Activity of Phosphate-Doped NiMo/Al <sub>2</sub> O <sub>3</sub> Hydrotreating Catalysts. <i>Catalysis</i> , 2019, 9, 96.	3.5	8
83	Nanocomposites SnO <sub>2</sub> /SiO <sub>2</sub> for CO Gas Sensors: Microstructure and Reactivity in the Interaction with the Gas Phase. <i>Materials</i> , 2019, 12, 1096.	2.9	22
84	Direct TEM observation of the acanthite $\pm$ -Ag <sub>2</sub> S $\leftrightarrow$ argentite $\pm$ -Ag <sub>2</sub> S phase transition in a silver sulfide nanoparticle. <i>Nanoscale Advances</i> , 2019, 1, 1581-1588.	4.6	25
85	The Influence of Cu and Al Additives on Reduction of Iron(III) Oxide: <i>In Situ</i> XRD and XANES Study. <i>Inorganic Chemistry</i> , 2019, 58, 4842-4850.	4.0	20
86	Features of the Real Structure of Metallic Silver Nanoparticles Located in Channels of Mesoporous Silicate SBA-15. <i>Journal of Structural Chemistry</i> , 2019, 60, 2015-2024.	1.0	0
87	Optimizing the Properties of an Alumina Support of Hydrotreating Catalysts by Introducing Boron and Sulfur at the Stage of Obtaining Pseudoboehmite by Hydrothermal Treatment of the Product Produced by Flash Calcination of Gibbsite. <i>Catalysis in Industry</i> , 2019, 11, 301-312.	0.7	11
88	Influence of Type of Organic Template on the Properties of Zeolites ZSM-23. <i>Russian Journal of Applied Chemistry</i> , 2019, 92, 1664-1673.	0.5	3
89	Nanocomposites SnO <sub>2</sub> /SiO <sub>2</sub> :SiO <sub>2</sub> Impact on the Active Centers and Conductivity Mechanism. <i>Materials</i> , 2019, 12, 3618.	2.9	8
90	The influence of B and P in the impregnating solution on the properties of NiMo/Al <sub>2</sub> O <sub>3</sub> catalysts for VGO hydrotreating. <i>Catalysis Today</i> , 2019, 329, 2-12.	4.4	21

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91	From alumina modified Rh/Ce <sub>0.75</sub> Zr <sub>0.25</sub> O <sub>2</sub> - $\gamma$ -Al <sub>2</sub> O <sub>3</sub> /FeCrAl catalyst towards composite Rh/Ce <sub>0.75</sub> Zr <sub>0.25</sub> O <sub>2</sub> - $\gamma$ -Al <sub>2</sub> O <sub>3</sub> /FeCrAl catalytic system for diesel conversion to syngas. Applied Catalysis B: Environmental, 2019, 245, 40-48.	20.2	26
92	Phenanthrene catalytic cracking in supercritical water: effect of the reaction medium on NiMo/SiO <sub>2</sub> catalysts. Catalysis Today, 2019, 329, 197-205.	4.4	19
93	Influence of the phosphorus addition ways on properties of CoMo-catalysts of hydrotreating. Catalysis Today, 2019, 329, 13-23.	4.4	25
94	Influence of USY zeolite recrystallization on physicochemical properties and catalytic performance of NiMo/USY-Al <sub>2</sub> O <sub>3</sub> hydrocracking catalysts. Catalysis Today, 2019, 329, 108-115.	4.4	43
95	Bimetallic Pt-Co/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> /FeCrAl wire mesh composite catalyst prepared via double complex salt [Pt(NH <sub>3</sub> ) <sub>4</sub> ][Co(C <sub>2</sub> O <sub>4</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ] $\cdot$ 2H <sub>2</sub> O decomposition. Materials Letters, 2019, 236, 109-111.	2.6	12
96	Guard bed catalysts for silicon removal during hydrotreating of middle distillates. Catalysis Today, 2019, 329, 53-62.	4.4	24
97	Hydrocracking of vacuum gas oil over NiMo/zeolite-Al <sub>2</sub> O <sub>3</sub> : Influence of zeolite properties. Fuel, 2019, 237, 178-190.	6.4	56
98	Hydrocracking of Vacuum Gasoil on NiMo/AAS-Al <sub>2</sub> O <sub>3</sub> Catalysts Prepared from Citric Acid: Effect of the Catalyst Heat Treatment Temperature. Catalysis in Industry, 2018, 10, 29-40.	0.7	3
99	Deposition of Pd nanoparticles on TiO <sub>2</sub> using a Pd(acac) <sub>2</sub> precursor for photocatalytic oxidation of CO under UV-LED irradiation. Applied Catalysis B: Environmental, 2018, 235, 214-224.	20.2	41
100	Production of Pure Hydrogen from Diesel Fuel by Steam Pre-Reforming and Subsequent Conversion in a Membrane Reactor. Petroleum Chemistry, 2018, 58, 103-113.	1.4	5
101	CoMo/Al <sub>2</sub> O <sub>3</sub> hydrotreating catalysts of diesel fuel with improved hydrodenitrogenation activity. Catalysis Today, 2018, 307, 73-83.	4.4	36
102	CoMoB/Al <sub>2</sub> O <sub>3</sub> catalysts for hydrotreating of diesel fuel. The effect of the way of the boron addition to a support or an impregnating solution. Catalysis Today, 2018, 305, 192-202.	4.4	24
103	Effect of thermal treatment on morphology and catalytic performance of NiW/Al <sub>2</sub> O <sub>3</sub> catalysts prepared using citric acid as chelating agent. Catalysis Today, 2018, 305, 162-170.	4.4	19
104	Amorphous silica-alumina perspective supports for selective hydrotreating of FCC gasoline: Influence of Mg. Applied Catalysis B: Environmental, 2018, 223, 22-35.	20.2	23
105	Comparative XPS study of interaction of model and real Pt/C catalysts with NO <sub>2</sub> . Applied Surface Science, 2018, 428, 972-976.	6.1	29
106	Hydrocracking of vacuum gas oil over NiMo/Y-Al <sub>2</sub> O <sub>3</sub> : Effect of mesoporosity introduced by zeolite Y recrystallization. Catalysis Today, 2018, 305, 117-125.	4.4	50
107	Highly dispersed Rh/Ce <sub>0.75</sub> Zr <sub>0.25</sub> O <sub>2</sub> - $\gamma$ -Al <sub>2</sub> O <sub>3</sub> /FeCrAl wire mesh catalyst for autothermal n-hexadecane reforming. Materials Letters, 2018, 214, 290-292.	2.6	23
108	Effect of Method of Boron Introduction into NiMo/Al <sub>2</sub> O <sub>3</sub> Protective-Layer Catalysts on the Removal of Silicon from Diesel Fractions. Russian Journal of Applied Chemistry, 2018, 91, 2022-2029.	0.5	4

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109	Reduction of double manganese-cobalt oxides: <i>in situ</i> XRD and TPR study. Dalton Transactions, 2018, 47, 17153-17159.	3.3	41
110	Support Effect on the Performance of Ni <sub>2</sub> P Catalysts in the Hydrodeoxygenation of Methyl Palmitate. Catalysts, 2018, 8, 515.	3.5	24
111	Phase Transformations in the Mn-Ga-O System Depending on the Preparation Conditions. Journal of Structural Chemistry, 2018, 59, 1631-1638.	1.0	3
112	Structure of the Mo-Containing Dispersed Catalyst During Heavy Oil Upgrading in the Presence of Steam And Hydrogen. Journal of Structural Chemistry, 2018, 59, 1308-1316.	1.0	5
113	Formation of Surface Platinum Oxides in the Interaction of the Pt/Sibunit Catalysts with NO <sub>2</sub> : Estimates of the Width of Oxide Shell from XPS Data. Kinetics and Catalysis, 2018, 59, 663-671.	1.0	9
114	One-Pot Synthesis of Secondary Amines from Nitroarenes and Aldehydes on Supported Copper Catalysts in a Flow Reactor: The Effect of the Support. Kinetics and Catalysis, 2018, 59, 593-600.	1.0	10
115	Highly Stable Single-Atom Catalyst with Ionic Pd Active Sites Supported on N-Doped Carbon Nanotubes for Formic Acid Decomposition. ChemSusChem, 2018, 11, 3724-3727.	6.8	99
116	Novel eco-friendly method for preparation of mesoporous alumina from the product of rapid thermal treatment of gibbsite. Superlattices and Microstructures, 2018, 120, 148-160.	3.1	30
117	Three-way catalysis with supported gold catalysts: Poisoning effects of hydrocarbons. Applied Catalysis B: Environmental, 2018, 237, 1021-1032.	20.2	8
118	Catalytic Activity of La <sub>1-x</sub> CaxCoO <sub>3</sub> Perovskites (x = 0-1) Prepared by the Pechini Method in the Reaction of Deep Methane Oxidation. Kinetics and Catalysis, 2018, 59, 489-497.	1.0	4
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126	2D Mapping of NMR Signal Enhancement and Relaxation for Heterogeneously Hyperpolarized Propane Gas. Journal of Physical Chemistry C, 2017, 121, 10038-10046.	3.1	31



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128	Synthesis and characterization of Sibunit-supported Pd@Ga, Pd@Zn, and Pd@Ag catalysts for liquid-phase acetylene hydrogenation. <i>Kinetics and Catalysis</i> , 2017, 58, 140-146.	1.0	24
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134	New Sulfide Photocatalysts Modified by NiS and Ni(OH) <sub>2</sub> for Photocatalytic Hydrogen Production. <i>Materials Today: Proceedings</i> , 2017, 4, 11331-11335.	1.8	5
135	Photocatalytic hydrogen evolution from aqueous solutions on nanostructured Ag <sub>2</sub> S and Ag <sub>2</sub> S/Ag. <i>Catalysis Communications</i> , 2017, 100, 178-182.	3.3	37
136	Study of Catalyst Deactivation in Liquid-Phase Hydrogenation of 3-Nitrostyrene Over Au/Al <sub>2</sub> O <sub>3</sub> Catalyst in Flow Reactor. <i>Catalysis Letters</i> , 2017, 147, 572-580.	2.6	11
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138	Photocatalytic hydrogen production using Me/Cd <sub>0.3</sub> Zn <sub>0.7</sub> S (Me = Au, Pt, Pd) catalysts: Transformation of the metallic catalyst under the action of the reaction medium. <i>Kinetics and Catalysis</i> , 2017, 58, 431-440.	1.0	5
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143	Synergetic Effect of Ni <sub>2</sub> P/SiO <sub>2</sub> and $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Physical Mixture in Hydrodeoxygenation of Methyl Palmitate. <i>Catalysts</i> , 2017, 7, 329.	3.5	23
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147	Catalysts based on amorphous aluminosilicates for selective hydrotreating of FCC gasoline to produce Euro-5 gasoline with minimum octane number loss. <i>Catalysis Today</i> , 2016, 271, 4-15.	4.4	28
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158	Structure and morphology evolution of silica-modified pseudoboehmite aerogels during heat treatment. <i>Journal of Solid State Chemistry</i> , 2016, 233, 294-302.	2.9	35
159	La <sub>1-x</sub> Ca <sub>x</sub> FeO <sub>3</sub> (x = 0-1) perovskites prepared by the Pechini method: Catalytic activity in deep methane and CO oxidation. <i>Kinetics and Catalysis</i> , 2015, 56, 781-787.	1.0	5
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164	Effect of Titania Regular Macroporosity on the Photocatalytic Hydrogen Evolution on Cd <sub>1-x</sub> Zn <sub>x</sub> S/TiO <sub>2</sub> Catalysts under Visible Light. <i>ChemCatChem</i> , 2015, 7, 4108-4117.	3.7	32
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175	Photocatalytic hydrogen evolution from aqueous solutions of Na <sub>2</sub> S/Na <sub>2</sub> SO <sub>3</sub> under visible light irradiation on CuS/Cd <sub>0.3</sub> Zn <sub>0.7</sub> S and Ni <sub>0.3</sub> Cd <sub>0.3</sub> Zn <sub>0.7</sub> S <sub>1+</sub> . <i>Chemical Engineering Journal</i> , 2015, 262, 146-155.	12.7	64
176	Vacuum gasoil hydrocracking over three-layered packages consisting of supported sulfide NiMo and NiW catalysts. <i>Catalysis in Industry</i> , 2014, 6, 320-328.	0.7	1
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179	Composition of stacked bed for VGO hydrocracking with maximum diesel yield. <i>Catalysis Today</i> , 2014, 220-222, 124-132.	4.4	30
180	Effect of doping a cadmium sulfide-zinc sulfide solid solution with copper ions on its physicochemical properties and catalytic activity in hydrogen recovery from aqueous solutions under the action of visible radiation. <i>Kinetics and Catalysis</i> , 2014, 55, 528-533.	1.0	2

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189	Fast oxygen transport in bismuth oxide containing nanocomposites. <i>Solid State Ionics</i> , 2013, 251, 34-39.	2.7	13
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201	Photocatalytic oxidation of ethanol vapors under visible light on CdS@TiO <sub>2</sub> nanocatalyst. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 250, 103-109.	3.9	48
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