Evgeny Yu. Gerasimov

List of Publications by Year
in descending order

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	Pt nanoclusters stabilized by N-doped carbon nanofibers for hydrogen production from formic acid. Journal of Catalysis, 2013, 307, 94-102.	6.2	126
2	Highly Stable Singleâ€Atom Catalyst with Ionic Pd Active Sites Supported on Nâ€Doped Carbon Nanotubes for Formic Acid Decomposition. ChemSusChem, 2018, 11, 3724-3727.	6.8	99
3	Ruthenium Clusters on Carbon Nanofibers for Formic Acid Decomposition: Effect of Doping the Support with Nitrogen. ChemCatChem, 2015, 7, 2910-2917.	3.7	64
4	Photocatalytic hydrogen evolution from aqueous solutions of Na2S/Na2SO3 under visible light irradiation on CuS/Cd0.3Zn0.7S and Ni Cd0.3Zn0.7S1+. Chemical Engineering Journal, 2015, 262, 146-155.	12.7	64
5	Hydrocracking of vacuum gas oil over NiMo/zeolite-Al2O3: Influence of zeolite properties. Fuel, 2019, 237, 178-190.	6.4	56
6	Strong Metalâ€“Support Interactions for Palladium Supported on TiO₂ Catalysts in the Heterogeneous Hydrogenation with Parahydrogen. ChemCatChem, 2015, 7, 2581-2584.	3.7	54
7	Hydrodeoxygenation of methyl palmitate over sulfided Mo/Al₂O₃, CoMo/Al₂O₃ and NiMo/Al₂O₃ catalysts. RSC Advances, 2013, 4, 2242-2250.	3.6	51
8	Hydrocracking of vacuum gas oil over NiMo/Y-Al2O3: Effect of mesoporosity introduced by zeolite Y recrystallization. Catalysis Today, 2018, 305, 117-125.	4.4	50
9	Photocatalytic oxidation of ethanol vapors under visible light on CdSâ€“TiO2 nanocatalyst. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 250, 103-109.	3.9	48
10	Novel photocatalysts Pt/Cd 1â^'x Zn x S/ZnO/Zn(OH) 2 : Activation during hydrogen evolution from aqueous solutions of ethanol under visible light. Applied Catalysis B: Environmental, 2016, 183, 197-205.	20.2	48
11	Influence of boron addition to alumina support by kneading on morphology and activity of HDS catalysts. Applied Catalysis B: Environmental, 2016, 199, 23-32.	20.2	47
12	Effect of surface decoration with LaSrFeO4 on oxygen mobility and catalytic activity of La0.4Sr0.6FeO3â^'Î´ in high-temperature N2O decomposition, methane combustion and ammonia oxidation. Applied Catalysis A: General, 2013, 457, 42-51.	4.3	45
13	Main minerals of abnormally high-grade ores of the Tomtor deposit (Arctic Siberia). Russian Geology and Geophysics, 2015, 56, 844-873.	0.7	45
14	Enhanced photocatalytic hydrogen evolution from aqueous solutions on Ag 2 S/Ag heteronanostructure. International Journal of Hydrogen Energy, 2017, 42, 25258-25266.	7.1	44
15	Influence of USY zeolite recrystallization on physicochemical properties and catalytic performance of NiMo/USY-Al2O3 hydrocracking catalysts. Catalysis Today, 2019, 329, 108-115.	4.4	43
16	Deposition of Pd nanoparticles on TiO 2 using a Pd(acac) 2 precursor for photocatalytic oxidation of CO under UV-LED irradiation. Applied Catalysis B: Environmental, 2018, 235, 214-224.	20.2	41
17	Reduction of double manganeseâ€“cobalt oxides: in situ XRD and TPR study. Dalton Transactions, 2018, 47, 17153-17159.	3.3	41
18	Oxidative methane coupling over Mg, Al, Ca, Ba, Pb-promoted SrTiO3 and Sr2TiO4: Influence of surface composition and microstructure. Applied Catalysis A: General, 2014, 485, 10-19.	4.3	40

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19	Effect of Bi on catalytic performance and stability of MoVTeNbO catalysts in oxidative dehydrogenation of ethane. Applied Catalysis A: General, 2017, 534, 58-69.	4.3	40
20	Supported on alumina Co-Mo hydrotreating catalysts: Dependence of catalytic and strength characteristics on the initial AlOOH particle morphology. Catalysis Today, 2014, 220-222, 66-77.	4.4	39
21	CoNiMo/Al2O3 catalysts for deep hydrotreatment of vacuum gasoil. Catalysis Today, 2016, 271, 56-63.	4.4	39
22	Synthesis and solar light catalytic properties of titaniaâ€“cadmium sulfide hybrid nanostructures. Catalysis Communications, 2015, 68, 61-66.	3.3	38
23	Photocatalytic hydrogen evolution from aqueous solutions on nanostructured Ag2S and Ag2S/Ag. Catalysis Communications, 2017, 100, 178-182.	3.3	37
24	CoMo/Al2O3 hydrotreating catalysts of diesel fuel with improved hydrodenitrogenation activity. Catalysis Today, 2018, 307, 73-83.	4.4	36
25	Facile synthesis of Ag2S nanoparticles functionalized by carbon-containing citrate shell. Chemical Physics Letters, 2015, 642, 17-21.	2.6	35
26	Structure and morphology evolution of silica-modified pseudoboehmite aerogels during heat treatment. Journal of Solid State Chemistry, 2016, 233, 294-302.	2.9	35
27	The impact of Si/Al ratio on properties of aluminosilicate aerogels. Microporous and Mesoporous Materials, 2017, 251, 105-113.	4.4	33
28	Novel photocatalysts based on Cd1â^'Zn S/Zn(OH)2 for the hydrogen evolution from water solutions of ethanol. International Journal of Hydrogen Energy, 2014, 39, 18758-18769.	7.1	32
29	Effect of Titania Regular Macroporosity on the Photocatalytic Hydrogen Evolution on Cd_{1â^'x}Zn_xS/TiO₂ Catalysts under Visible Light. ChemCatChem, 2015, 7, 4108-4117.	3.7	32
30	Comparative study of MWCNT and alumina supported CĐ¾MĐ¾ hydrotreating catalysts prepared with citric acid as chelating agent. Catalysis Today, 2020, 357, 221-230.	4.4	32
31	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
32	Influence of calcination on photocatalytic properties of nonstoichiometric titanium dioxide nanotubes. Journal of Alloys and Compounds, 2019, 796, 293-299.	5.5	31
33	Composition of stacked bed for VGO hydrocracking with maximum diesel yield. Catalysis Today, 2014, 220-222, 124-132.	4.4	30
34	Synthesis of Pt/Zn(OH)2/Cd0.3Zn0.7S for the Photocatalytic Hydrogen Evolution from Aqueous Solutions of Organic and Inorganic Electron Donors Under Visible Light. Topics in Catalysis, 2016, 59, 1297-1304.	2.8	30
35	Coherent 3D nanostructure of Î³-Al2O3: Simulation of whole X-ray powder diffraction pattern. Journal of Solid State Chemistry, 2017, 246, 284-292.	2.9	30
36	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

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37	Highly efficient hydrogen production under visible light over g-C3N4-based photocatalysts with low platinum content. Chemical Engineering Journal, 2022, 445, 136721.	12.7	30
38	Comparative XPS study of interaction of model and real Pt/C catalysts with NO2. Applied Surface Science, 2018, 428, 972-976.	6.1	29
39	Catalysts based on amorphous aluminosilicates for selective hydrotreating of FCC gasoline to produce Euro-5 gasoline with minimum octane number loss. Catalysis Today, 2016, 271, 4-15.	4.4	28
40	The main factors affecting the catalytic properties of Ru/Cs-HPA systems in one-pot hydrolysis-hydrogenation of cellulose to sorbitol. Applied Catalysis A: General, 2020, 595, 117489.	4.3	27
41	Comparative study of photoreforming of glycerol on Pt/TiO2 and CuOx/TiO2 photocatalysts under UV light. Materials Letters, 2021, 283, 128901.	2.6	27
42	HDO of Methyl Palmitate over Silica-Supported Ni Phosphides: Insight into Ni/P Effect. Catalysts, 2017, 7, 298.	3.5	26
43	From alumina modified Rh/Ce0.75Zr0.25O2-Î´ catalyst towards composite Rh/Ce0.75Zr0.25O2-Î´-Æž-Al2O3/FeCrAl catalytic system for diesel conversion to syngas. Applied Catalysis B: Environmental, 2019, 245, 40-48.	20.2	26
44	A correlation between structural changes in a Ni-Cu catalyst during decomposition of ethylene/ammonia mixture and properties of nitrogen-doped carbon nanofibers. Journal of Energy Chemistry, 2013, 22, 270-278.	12.9	25
45	Direct TEM observation of the â€œacanthite Î±-Ag2Sâ€“argentite Î²-Ag2Sâ€•phase transition in a silver sulfide nanoparticle. Nanoscale Advances, 2019, 1, 1581-1588.	4.6	25
46	Influence of the phosphorus addition ways on properties of CoMo-catalysts of hydrotreating. Catalysis Today, 2019, 329, 13-23.	4.4	25
47	New insights into the mechanism of photocatalytic hydrogen evolution from aqueous solutions of saccharides over CdS-based photocatalysts under visible light. International Journal of Hydrogen Energy, 2020, 45, 30165-30177.	7.1	25
48	On formation mechanism of Pdâ€“Ir bimetallic nanoparticles through thermal decomposition of [Pd(NH3)4][IrCl6]. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	24
49	Synthesis and characterization of Sibunit-supported Pdâ€“Ga, Pdâ€“Zn, and Pdâ€“Ag catalysts for liquid-phase acetylene hydrogenation. Kinetics and Catalysis, 2017, 58, 140-146.	1.0	24
50	CoMoB/Al 2 O 3 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
51	Support Effect on the Performance of Ni2P Catalysts in the Hydrodeoxygenation of Methyl Palmitate. Catalysts, 2018, 8, 515.	3.5	24
52	Guard bed catalysts for silicon removal during hydrotreating of middle distillates. Catalysis Today, 2019, 329, 53-62.	4.4	24
53	Effect of precursor on the catalytic properties of Ni₂P/SiO₂ in methyl palmitate hydrodeoxygenation. RSC Advances, 2016, 6, 30372-30383.	3.6	23
54	Synergetic Effect of Ni2P/SiO2 and Î³-Al2O3 Physical Mixture in Hydrodeoxygenation of Methyl Palmitate. Catalysts, 2017, 7, 329.	3.5	23

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55	Amorphous silica-alumina â€“ perspective supports for selective hydrotreating of FCC gasoline: Influence of Mg. Applied Catalysis B: Environmental, 2018, 223, 22-35.	20.2	23
56	Highly dispersed Rh/Ce 0.75 Zr 0.25 O 2-Î´-Æž-Al 2 O 3 /FeCrAl wire mesh catalyst for autothermal n-hexadecane reforming. Materials Letters, 2018, 214, 290-292.	2.6	23
57	Nanocomposites SnO2/SiO2 for CO Gas Sensors: Microstructure and Reactivity in the Interaction with the Gas Phase. Materials, 2019, 12, 1096.	2.9	22
58	Silicon doping effect on the properties of the hydrotreating catalysts of FCC feedstock pretreatment. Applied Catalysis B: Environmental, 2021, 280, 119415.	20.2	22
59	The influence of B and P in the impregnating solution on the properties of NiMo/Î³-Î´-Al2O3 catalysts for VGO hydrotreating. Catalysis Today, 2019, 329, 2-12.	4.4	21
60	The effect of oxidative and reductive treatments of titania-supported metal catalysts on the pairwise hydrogen addition to unsaturated hydrocarbons. Catalysis Today, 2017, 283, 82-88.	4.4	20
61	Formation of gallic acid layer on Î³-AlOOH nanoparticles surface and their antioxidant and membrane-protective activity. Journal of Inorganic Biochemistry, 2019, 199, 110782.	3.5	20
62	The Influence of Cu and Al Additives on Reduction of Iron(III) Oxide: In Situ XRD and XANES Study. Inorganic Chemistry, 2019, 58, 4842-4850.	4.0	20
63	The effect of rapeseed oil and carbon monoxide on SRGO hydrotreating over sulfide CoMo/Al2O3 and NiMo/Al2O3 catalysts. Catalysis Today, 2020, 357, 526-533.	4.4	20
64	Effect of thermal treatment on morphology and catalytic performance of NiW/Al2O3 catalysts prepared using citric acid as chelating agent. Catalysis Today, 2018, 305, 162-170.	4.4	19
65	New photocatalysts based on Cd0.3Zn0.7S and Ni(OH)2 for hydrogen production from ethanol aqueous solutions under visible light. Applied Catalysis A: General, 2018, 563, 170-176.	4.3	19
66	Post-mortem characterization of Rh/Ce0.75Zr0.25O2/Al2O3/FeCrAl wire mesh composite catalyst for diesel autothermal reforming. Materials Letters, 2019, 257, 126715.	2.6	19
67	Phenanthrene catalytic cracking in supercritical water: effect of the reaction medium on NiMo/SiO2 catalysts. Catalysis Today, 2019, 329, 197-205.	4.4	19
68	Effect of MAF-6 Crystal Size on Its Physicochemical and Catalytic Properties in the Cycloaddition of CO2 to Propylene Oxide. Catalysts, 2021, 11, 1061.	3.5	19
69	Chemical and structural transformations in manganese aluminum spinel of the composition Mn1.5Al1.5O4 during heating and cooling in air. Journal of Structural Chemistry, 2010, 51, 500-506.	1.0	18
70	Hydrogen electrooxidation on PdAu supported nanoparticles: An experimental RDE and kinetic modeling study. Catalysis Today, 2013, 202, 70-78.	4.4	18
71	Stabilization of Ag2S nanoparticles in aqueous solution by MPS. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 520, 369-377.	4.7	18
72	Features of the real structure of pseudoboehmites: Violations of the structure and layer packing caused by crystallization water. Journal of Structural Chemistry, 2010, 51, 132-141.	1.0	17

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73	To the nature of the support effect in palladium-catalyzed aqueous-phase hydrogenation of maleic acid. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 526, 29-39.	4.7	17
74	Enhanced Photocatalytic Activity and Stability of Bi2WO6 â€“ TiO2-N Nanocomposites in the Oxidation of Volatile Pollutants. Nanomaterials, 2022, 12, 359.	4.1	17
75	Spatially resolved NMR spectroscopy of heterogeneous gas phase hydrogenation of 1,3-butadiene with parahydrogen. Catalysis Science and Technology, 2020, 10, 99-104.	4.1	16
76	Synergy Effect of Au and SiO2 Modification on SnO2 Sensor Properties in VOCs Detection in Humid Air. Nanomaterials, 2020, 10, 813.	4.1	16
77	Catalytic properties of CoMo/Al2O3 sulfide catalysts in the hydrorefining of straight-run diesel fraction mixed with rapeseed oil. Kinetics and Catalysis, 2014, 55, 481-491.	1.0	15
78	Chemical and texture promoters in Cu-Fe-Al oxide nanocomposite catalysts for combustion of solid fuel gasification products. Applied Catalysis A: General, 2020, 590, 117364.	4.3	15
79	Boosting hydrodesulfurization activity of CoMo/Al2O3 catalyst via selective graphitization of alumina surface. Microporous and Mesoporous Materials, 2021, 317, 111008.	4.4	15
80	The effect of Si/Al ratio of zeolite Y in NiW catalyst for second stage hydrocracking. Catalysis Today, 2021, 378, 65-74.	4.4	15
81	Laâ€“Feâ€“O/CeO2 Based Composites as the Catalysts for High Temperature N2O Decomposition and CH4 Combustion. Catalysis Letters, 2013, 143, 1294-1303.	2.6	14
82	Optimal pretreatment conditions for Coâ€“Mo hydrotreatment catalysts prepared using ethylenediamine as a chelating agent. Catalysis Today, 2014, 220-222, 327-336.	4.4	14
83	Pairwise Parahydrogen Addition Over Molybdenum Carbide Catalysts. Topics in Catalysis, 2020, 63, 2-11.	2.8	14
84	Effect of Phosphorus Precursor, Reduction Temperature, and Support on the Catalytic Properties of Nickel Phosphide Catalysts in Continuous-Flow Reductive Amination of Ethyl Levulinate. International Journal of Molecular Sciences, 2022, 23, 1106.	4.1	14
85	â€œMissingâ€•One-Dimensional Red-Phosphorus Chains Encapsulated within Single-Walled Carbon Nanotubes. ACS Nano, 2022, 16, 6002-6012.	14.6	14
86	Fast oxygen transport in bismuth oxide containing nanocomposites. Solid State Ionics, 2013, 251, 34-39.	2.7	13
87	A new catalyst for the deep hydrotreatment of vacuum gas oil, a catalytic cracking feedstock. Catalysis in Industry, 2015, 7, 38-46.	0.7	13
88	Transmission electron microscopy and x-ray diffraction studies of the detonation soot of high explosives. Journal of Physics: Conference Series, 2016, 774, 012072.	0.4	13
89	The irradiation influence on the properties of silver sulfide (Ag2S) colloidal nanoparticles. Physics of the Solid State, 2017, 59, 1629-1636.	0.6	13
90	Synthesis of silver nanoparticles stabilized by carboxylated methoxypolyethylene glycols: the role of carboxyl terminal groups in the particle size and morphology. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2019, 94, 287-295.	1.6	13

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91	Synthesis, morphology and electrochemical properties of spherulite titania nanocrystals. Ceramics International, 2020, 46, 24483-24487.	4.8	13
92	Structural features of finely dispersed pseudoboehmite obtained by a sol-gel method. Journal of Structural Chemistry, 2010, 51, 322-326.	1.0	12
93	Silica-alumina based nickel-molybdenum catalysts for vacuum gas oil hydrocracking aimed at a higher diesel fraction yield. Catalysis in Industry, 2014, 6, 231-238.	0.7	12
94	Silver sulfide nanoparticles with a carbon-containing shell. Inorganic Materials, 2016, 52, 441-446.	0.8	12
95	Nanocrystalline ordered vanadium carbide: Superlattice and nanostructure. Superlattices and Microstructures, 2016, 90, 148-164.	3.1	12
96	Synthesis of Ëœ10â€‰nm size Cu/Ag core-shell nanoparticles stabilized by an ethoxylated carboxylic acid for conductive ink. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 577, 500-508.	4.7	12
97	Bimetallic Pt-Co/Î·-Al2O3/FeCrAl wire mesh composite catalyst prepared via double complex salt [Pt(NH3)4][Co(C2O4)2(H2O)2]Â·2H2O decomposition. Materials Letters, 2019, 236, 109-111.	2.6	12
98	Comparison of alumina supports and catalytic activity of CoMoP/Î³-Al2O3 hydrotreating catalysts obtained using flash calcination of gibbsite and precipitation method. Catalysis Today, 2020, 353, 88-98.	4.4	12
99	Influence of alumina precursor on silicon capacity of NiMo/Î³-Al2O3 guard bed catalysts for gas oil hydrotreating. Catalysis Today, 2020, 353, 53-62.	4.4	12
100	Enhancement of HDO Activity of MoP/SiO2 Catalyst in Physical Mixture with Alumina or Zeolites. Catalysts, 2020, 10, 45.	3.5	12
101	The influence of the sacrificial agent nature on transformations of the Zn(OH)₂/Cd_{0.3}Zn_{0.7}S photocatalyst during hydrogen production under visible light. RSC Advances, 2020, 10, 1341-1350.	3.6	12
102	Influence of zeolite content in NiW/Y-ASA-Al2O3 catalyst for second stage hydrocracking. Catalysis Today, 2021, 377, 50-58.	4.4	12
103	Three-way catalysis with bimetallic supported Pd-Au catalysts: Gold as a poison and as a promotor. Applied Catalysis B: Environmental, 2021, 282, 119614.	20.2	12
104	Structural features of the formation of La1â^'x Ca x FeO3â^'Î´ (0 â‰¤ x â‰¤ 0.7) hetero valent solid solutions. Journal of Structural Chemistry, 2010, 51, 891-897.	1.0	11
105	Effect of the reaction medium on the structure of the La1 â^' x Ca x MnO3 (x = 0â€“1) solid solutions prepared by the pechini method. Kinetics and Catalysis, 2011, 52, 104-110.	1.0	11
106	Effect of the preparation conditions on the physicochemical and catalytic properties of Ni2P/SiO2 catalysts. Russian Chemical Bulletin, 2015, 64, 2361-2370.	1.5	11
107	Study of Catalyst Deactivation in Liquid-Phase Hydrogenation of 3-Nitrostyrene Over Au/Al2O3 Catalyst in Flow Reactor. Catalysis Letters, 2017, 147, 572-580.	2.6	11
108	Impact of titanium monoxide stoichiometry and heat treatment on the properties of TiOy/HAp nanocomposite. Journal of Alloys and Compounds, 2019, 800, 412-418.	5.5	11

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109	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. Catalysis in Industry, 2019, 11, 301-312.	0.7	11
110	Total Scattering Debye Function Analysis: Effective Approach for Structural Studies of Supported MoS₂-Based Hydrotreating Catalysts. Industrial & Engineering Chemistry Research, 2020, 59, 10914-10922.	3.7	11
111	Synthesis of homogeneous La1 â^' x Ca x MnO3 solid solutions by the Pechini method and their activity in methane oxidation. Kinetics and Catalysis, 2009, 50, 886-891.	1.0	10
112	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
113	Tuning the Catalytic Performance of Novel Composites Based on ZIFâ€8 and Nafen through Dimensional and Concentration Effects in the Synthesis of Propylene Glycol Methyl Ether. European Journal of Organic Chemistry, 2019, 2019, 4215-4225.	2.4	10
114	Niâ€“Cu High-Loaded Solâ€“Gel Catalysts for Dehydrogenation of Liquid Organic Hydrides: Insights into Structural Features and Relationship with Catalytic Activity. Nanomaterials, 2021, 11, 2017.	4.1	10
115	A universal method to form Pd nanoparticles on low-surface-area inorganic powders and their support-dependent catalytic activity in hydrogenation of maleic acid. Catalysis Today, 2015, 246, 72-80.	4.4	9
116	Low- and high-temperature oxidation of Mn_{1.5}Al_{1.5}O₄in relation to decomposition mechanism and microstructure. CrystEngComm, 2016, 18, 3411-3421.	2.6	9
117	Specific features of polyol synthesis of silver nanoparticles with the use of solid carboxylates as precursors. Colloid Journal, 2016, 78, 515-524.	1.3	9
118	Formation of Surface Platinum Oxides in the Interaction of the Pt/Sibunit Catalysts with NO2: Estimates of the Width of Oxide Shell from XPS Data. Kinetics and Catalysis, 2018, 59, 663-671.	1.0	9
119	A New Ti9O10 Nanophase Prepared by Heat-Treating Nonstoichiometric Milled TiO y Nanopowder. Inorganic Materials, 2018, 54, 568-574.	0.8	9
120	Magnetic mesoporous catalytic and adsorption active Fe-Al2O3 films. Microporous and Mesoporous Materials, 2019, 284, 225-234.	4.4	9
121	Effect of Organic Additives on the Structure and Hydrotreating Activity of a CoMoS/Multiwalled Carbon Nanotube Catalyst. Industrial & Engineering Chemistry Research, 2020, 59, 20612-20623.	3.7	9
122	The Structure of Mixed Mnâ€“Co Oxide Catalysts for CO Oxidation. Topics in Catalysis, 2020, 63, 75-85.	2.8	9
123	Peptization of alumina by ammonia to adjust catalytic properties of NiMo/B-Al2O3 hydrotreating catalysts. Catalysis Today, 2021, 375, 377-392.	4.4	9
124	Constructing g-C3N4/Cd1â^'xZnxS-Based Heterostructures for Efficient Hydrogen Production under Visible Light. Catalysts, 2021, 11, 1340.	3.5	9
125	Modification of HDT catalysts of FCC feedstock by adding silica to the kneading paste of alumina support: Advantages and disadvantages. Fuel, 2022, 324, 124555.	6.4	9
126	Textural characteristics of sulphided hydrotreatment catalysts prepared using Coâ€“Mo complex compounds. Adsorption, 2013, 19, 723-731.	3.0	8

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127	Three-way catalysis with supported gold catalysts: Poisoning effects of hydrocarbons. Applied Catalysis B: Environmental, 2018, 237, 1021-1032.	20.2	8
128	Synthesis of multiphase Au/Cd0.6Zn0.4S/ZnS photocatalysts for improved photocatalytic performance. International Journal of Hydrogen Energy, 2019, 44, 23589-23599.	7.1	8
129	Effect of Mono-, Di-, and Triethylene Glycol on the Activity of Phosphate-Doped NiMo/Al2O3 Hydrotreating Catalysts. Catalysts, 2019, 9, 96.	3.5	8
130	Nanocomposites SnO2/SiO2:SiO2 Impact on the Active Centers and Conductivity Mechanism. Materials, 2019, 12, 3618.	2.9	8
131	The Formation of Mn-Ce Oxide Catalysts for CO Oxidation by Oxalate Route: The Role of Annealing Conditions. Catalysis Letters, 2021, 151, 2906-2918.	2.6	8
132	Is it possible to reactivate hydrotreating catalyst poisoned by silicon?. Catalysis Today, 2021, 378, 43-56.	4.4	8
133	Broadening the Action Spectrum of TiO2-Based Photocatalysts to Visible Region by Substituting Platinum with Copper. Nanomaterials, 2022, 12, 1584.	4.1	8
134	Microstructural features of the La1â^'xCaxFeO3â^'Î´ solid solutions prepared via Pechini route. Materials Research Bulletin, 2015, 70, 291-295.	5.2	7
135	Influence of the size and charge of nonstoichiometric silver sulfide nanoparticles on their interaction with blood cells. Inorganic Materials, 2016, 52, 101-105.	0.8	7
136	Use of a Dual-Bed System for Producing Diesel Fuel from a Mixture of Straight-Run Diesel and Rapeseed Oil over Sulfide Catalysts. Petroleum Chemistry, 2017, 57, 1156-1160.	1.4	7
137	N-Methylation of p-Anisidine on the Catalysts Based on Cu-Containing Layered Double Hydroxides. Kinetics and Catalysis, 2019, 60, 343-354.	1.0	7
138	Syngas conversion over perovskite-like LaCuxTi1-xO3/KIT-6 catalysts. Applied Catalysis A: General, 2020, 608, 117834.	4.3	7
139	The Formation of Mn-Ce Oxide Catalysts for CO Oxidation by Oxalate Route: The Role of Manganese Content. Nanomaterials, 2021, 11, 988.	4.1	7
140	SRGO hydrotreating over Ni-phosphide catalysts on granulated Al2O3. Catalysis Today, 2021, 378, 24-32.	4.4	7
141	Sulfuric Acid Solutions of [Pt(OH)₄(H₂O)₂]: A Platinum Speciation Survey and Hydrated Pt(IV) Oxide Formation for Practical Use. Inorganic Chemistry, 2022, 61, 9667-9684.	4.0	7
142	Microstructural Changes in La0.5Ca0.5Mn0.5Fe0.5O3 Solid Solutions under the Influence of Catalytic Reaction of Methane Combustion. Catalysts, 2019, 9, 563.	3.5	6
143	Chemoselective hydrogenation of 3-nitrostyrene over Ag/TiO2-SiO2 catalyst in a flow reactor. Mendeleev Communications, 2019, 29, 553-555.	1.6	6
144	Benzaldoxime to benzamide rearrangement catalysed by rhodium(III) hydroxocomplexes: The influence of polynuclear species. Applied Catalysis A: General, 2019, 587, 117242.	4.3	6

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145	Comparative Study of the Photocatalytic Hydrogen Evolution over Cd1â^'xMnxS and CdS-Î²-Mn3O4-MnOOH Photocatalysts under Visible Light. Nanomaterials, 2021, 11, 355.	4.1	6
146	Sustainable Hydrogen Production from Starch Aqueous Suspensions over a Cd0.7Zn0.3S-Based Photocatalyst. Catalysts, 2021, 11, 870.	3.5	6
147	La1â€“x Ca x FeO3â€“Î´ (x = 0â€“1) perovskites prepared by the Pechini method: Catalytic activity in deep methane and CO oxidation. Kinetics and Catalysis, 2015, 56, 781-787.	1.0	5
148	Synthesis of NiW/Al2O3 hydrotreating catalysts from ammonium paratungstate using chelating agents. Russian Journal of Applied Chemistry, 2015, 88, 1458-1463.	0.5	5
149	Silica-containing inclusions in the cytoplasm of diatom Synedra acus. Doklady Biochemistry and Biophysics, 2017, 472, 44-48.	0.9	5
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