

Olga A Stonkus

List of Publications by Year in descending order

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64
papers

2,308
citations

257101

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223531

46
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64
all docs

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docs citations

64
times ranked

2954
citing authors

#	ARTICLE	IF	CITATIONS
1	Metalâ€‘support interactions in Pt/Al ₂ O ₃ and Pd/Al ₂ O ₃ catalysts for CO oxidation. Applied Catalysis B: Environmental, 2010, 97, 57-71.	10.8	343
2	In Situ XRD, XPS, TEM, and TPR Study of Highly Active in CO Oxidation CuO Nanopowders. Journal of Physical Chemistry C, 2013, 117, 14588-14599.	1.5	186
3	Low-temperature CO oxidation by Pd/CeO ₂ catalysts synthesized using the coprecipitation method. Applied Catalysis B: Environmental, 2015, 166-167, 91-103.	10.8	167
4	Direct CO ₂ capture from ambient air using K ₂ CO ₃ /Al ₂ O ₃ composite sorbent. International Journal of Greenhouse Gas Control, 2013, 17, 332-340.	2.3	102
5	The local structure of Pd _x Ce _{1-x} O ₂ solid solutions. Physical Chemistry Chemical Physics, 2014, 16, 13523-13539.	1.3	84
6	CO oxidation activity of Pt/CeO ₂ catalysts below 0 Â°C: platinum loading effects. Applied Catalysis B: Environmental, 2021, 286, 119931.	10.8	83
7	Nitrogen doped carbon nanotubes and nanofibers: Composition, structure, electrical conductivity and capacity properties. Carbon, 2017, 122, 475-483.	5.4	82
8	Metalâ€‘support interaction in Pd/CeO ₂ model catalysts for CO oxidation: from pulsed laser-ablated nanoparticles to highly active state of the catalyst. Catalysis Science and Technology, 2016, 6, 6650-6666.	2.1	74
9	Highly Efficient Catalysts Based on Divanadium-Substituted Polyoxometalate and N-Doped Carbon Nanotubes for Selective Oxidation of Alkylphenols. ACS Catalysis, 2018, 8, 1297-1307.	5.5	72
10	Structural Insight into Strong Ptâ€‘CeO ₂ Interaction: From Single Pt Atoms to PtO Clusters. Journal of Physical Chemistry C, 2019, 123, 1320-1334.	1.5	69
11	Study of cupric oxide nanopowders as efficient catalysts for low-temperature CO oxidation. Journal of Molecular Catalysis A, 2013, 368-369, 95-106.	4.8	68
12	Structural and chemical states of palladium in Pd/Al ₂ O ₃ catalysts under self-sustained oscillations in reaction of CO oxidation. Applied Catalysis A: General, 2011, 401, 83-97.	2.2	60
13	The insights into chlorine doping effect on performance of ceria supported nickel catalysts for selective CO methanation. Applied Catalysis B: Environmental, 2018, 221, 413-421.	10.8	42
14	Transformation of a Ptâ€‘CeO ₂ Mechanical Mixture of Pulsedâ€‘Laserâ€‘Ablated Nanoparticles to a Highly Active Catalyst for Carbon Monoxide Oxidation. ChemCatChem, 2018, 10, 2232-2247.	1.8	41
15	Ni-N ₄ sites in a single-atom Ni catalyst on N-doped carbon for hydrogen production from formic acid. Journal of Catalysis, 2021, 402, 264-274.	3.1	41
16	Palladium Nanoparticles Supported on Nitrogenâ€‘Doped Carbon Nanofibers: Synthesis, Microstructure, Catalytic Properties, and Selfâ€‘Sustained Oscillation Phenomena in Carbon Monoxide Oxidation. ChemCatChem, 2014, 6, 2115-2128.	1.8	38
17	Insight into the Nature of Active Species of Pt/Al ₂ O ₃ Catalysts for low Temperature NH ₃ Oxidation. ChemCatChem, 2020, 12, 867-880.	1.8	38
18	Ultradisperse Pt nanoparticles anchored on defect sites in oxygen-free few-layer graphene and their catalytic properties in CO oxidation. Carbon, 2015, 89, 290-299.	5.4	37

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19	Redox and Catalytic Properties of RhxCe _{1-x} O ₂ Solid Solution. Journal of Physical Chemistry C, 2017, 121, 26925-26938.	1.5	31
20	Spectroscopic study of nitrogen distribution in N-doped carbon nanotubes and nanofibers synthesized by catalytic ethylene-ammonia decomposition. Applied Surface Science, 2018, 435, 1273-1284.	3.1	30
21	The structure and catalytic properties of Rh-doped CeO ₂ catalysts. Physical Chemistry Chemical Physics, 2017, 19, 31883-31897.	1.3	29
22	Self-sustained oscillations in CO oxidation reaction on PdO/Al ₂ O ₃ catalyst. Chemical Engineering Science, 2012, 83, 149-158.	1.9	27
23	Thermally Induced Structural Evolution of Palladium-Ceria Catalysts. Implication for CO Oxidation. ChemCatChem, 2019, 11, 3505-3521.	1.8	26
24	<i>In situ</i> probing of Pt/TiO ₂ activity in low-temperature ammonia oxidation. Catalysis Science and Technology, 2021, 11, 250-263.	2.1	26
25	Highly active and durable Pd/Fe ₂ O ₃ catalysts for wet CO oxidation under ambient conditions. Catalysis Science and Technology, 2016, 6, 3918-3928.	2.1	25
26	Observation of the superstructural diffraction peak in the nitrogen doped carbon nanotubes: Simulation of the structure. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 520-530.	1.0	22
27	NiCuMo-SiO ₂ catalyst for pyrolysis oil upgrading: Model acidic treatment study. Applied Catalysis A: General, 2019, 573, 1-12.	2.2	22
28	Influence of the nitrogen-doped carbon nanofibers on the catalytic properties of supported metal and oxide nanoparticles. Catalysis Today, 2018, 301, 125-133.	2.2	21
29	Effects of the Carbon Support Doping with Nitrogen for the Hydrogen Production from Formic Acid over Ni Catalysts. Energies, 2019, 12, 4111.	1.6	20
30	H ₂ O ₂ -based selective oxidations by divanadium-substituted polyoxotungstate supported on nitrogen-doped carbon nanomaterials. Catalysis Today, 2020, 354, 196-203.	2.2	20
31	From highly dispersed Rh ³⁺ to nanoclusters and nanoparticles: Probing the low-temperature NO+CO activity of Rh-doped CeO ₂ catalysts. Applied Surface Science, 2019, 493, 1055-1066.	3.1	19
32	Nitrogen Doped Carbon Nanotubes and Nanofibers for Green Hydrogen Production: Similarities in the Nature of Nitrogen Species, Metal-Nitrogen Interaction, and Catalytic Properties. Energies, 2019, 12, 3976.	1.6	19
33	The Effects of Platinum Dispersion and Pt State on Catalytic Properties of Pt/Al ₂ O ₃ in NH ₃ Oxidation. ChemCatChem, 2021, 13, 313-327.	1.8	19
34	Effect of Pd deposition procedure on activity of Pd/Ce _{0.5} Sn _{0.5} O ₂ catalysts for low-temperature CO oxidation. Catalysis Communications, 2016, 73, 34-38.	1.6	18
35	The decomposition of mixed oxide Ag ₂ Cu ₂ O ₃ : Structural features and the catalytic properties in CO and C ₂ H ₄ oxidation. Applied Surface Science, 2018, 427, 363-374.	3.1	18
36	Influence of Titania Synthesized by Pulsed Laser Ablation on the State of Platinum during Ammonia Oxidation. Applied Sciences (Switzerland), 2020, 10, 4699.	1.3	18

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37	Low-temperature oxidation of carbon monoxide on Pd(Pt)/CeO ₂ catalysts prepared from complex salts. <i>Kinetics and Catalysis</i> , 2011, 52, 282-295.	0.3	17
38	Synthesis of bimetallic AuPt/CeO ₂ catalysts and their comparative study in CO oxidation under different reaction conditions. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 127, 69-83.	0.8	16
39	Carbon Nanotubes Modified by Venturello Complex as Highly Efficient Catalysts for Alkene and Thioethers Oxidation With Hydrogen Peroxide. <i>Frontiers in Chemistry</i> , 2019, 7, 858.	1.8	16
40	A study of the catalytic steam cracking of heavy crude oil in the presence of a dispersed molybdenum-containing catalyst. <i>Petroleum Chemistry</i> , 2017, 57, 618-629.	0.4	16
41	Physicochemical investigation of nanopowders prepared by laser ablation of crystalline silicon in water. <i>Advanced Powder Technology</i> , 2015, 26, 478-486.	2.0	15
42	Structural and morphological properties of Ce _{1-x} M _x O _y (M = Gd, La, Mg) supports for the catalysts of autothermal ethanol conversion. <i>Journal of Structural Chemistry</i> , 2017, 58, 126-134.	0.3	14
43	The State of Platinum and Structural Features of Pt/Al ₂ O ₃ Catalysts in the Reaction of NH ₃ Oxidation. <i>Journal of Structural Chemistry</i> , 2019, 60, 919-931.	0.3	14
44	Hydrogen Production through Autothermal Reforming of Ethanol: Enhancement of Ni Catalyst Performance via Promotion. <i>Energies</i> , 2021, 14, 5176.	1.6	14
45	Catalytic and capacity properties of nanocomposites based on cobalt oxide and nitrogen-doped carbon nanofibers. <i>Chinese Journal of Catalysis</i> , 2014, 35, 960-969.	6.9	13
46	Catalytic steam cracking of heavy crude oil with molybdenum and nickel nanodispersed catalysts. <i>Catalysis in Industry</i> , 2017, 9, 221-229.	0.3	13
47	Steam reforming of dimethoxymethane, methanol and dimethyl ether on CuO-ZnO/γ-Al ₂ O ₃ catalyst. <i>Kinetics and Catalysis</i> , 2017, 58, 577-584.	0.3	13
48	Effect of the support composition on the physicochemical properties of Ni/Ce _{1-x} La _x O _y catalysts and their activity in an autothermal methane reforming reaction. <i>Kinetics and Catalysis</i> , 2017, 58, 610-621.	0.3	11
49	Heterolytic alkene oxidation with H ₂ O ₂ catalyzed by Nb-substituted Lindqvist tungstates immobilized on carbon nanotubes. <i>Catalysis Science and Technology</i> , 2021, 11, 3198-3207.	2.1	11
50	Pd/Fiber glass and Pd/5% γ-Al ₂ O ₃ /Fiber glass catalysts by surface self-propagating thermal synthesis. <i>International Journal of Self-Propagating High-Temperature Synthesis</i> , 2012, 21, 139-145.	0.2	10
51	Low-temperature oxidation of carbon monoxide over (Mn _{1-x} M _x)O ₂ (M = Co, Pd) catalysts. <i>Kinetics and Catalysis</i> , 2013, 54, 81-94.	0.3	10
52	Investigating the process of heavy crude oil steam cracking in the presence of dispersed catalysts. II: Investigating the effect of Ni-containing catalyst concentration on the yield and properties of products. <i>Catalysis in Industry</i> , 2016, 8, 328-335.	0.3	10
53	Silver nanoparticles obtained by laser ablation as the active component of Ag/SiO ₂ catalysts for CO oxidation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013, 110, 343-357.	0.8	9
54	Electrodeposited non-stoichiometric tungstic acid for electrochromic applications: film growth modes, crystal structure, redox behavior and stability. <i>Applied Surface Science</i> , 2016, 388, 786-793.	3.1	9

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55	Evolution of the state of copper-based co-catalysts of the Cd _{0.3} Zn _{0.7} S photocatalyst at the photoproduction of hydrogen under action of visible light. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 30067-30075.	3.8	8
56	Alkene Epoxidation and Thioether Oxidation with Hydrogen Peroxide Catalyzed by Mesoporous Zirconium-Silicates. <i>Catalysts</i> , 2022, 12, 742.	1.6	7
57	Role of the support in the formation of the properties of a Pd/Al ₂ O ₃ catalyst for the low-temperature oxidation of carbon monoxide. <i>Kinetics and Catalysis</i> , 2014, 55, 748-762.	0.3	6
58	Deposition of silver nanoparticles into porous system of sol-gel silica monoliths and properties of silver/porous silica composites. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 68, 471-478.	1.1	5
59	The influence of the metal-support interaction on the catalytic activity of Pt/Al ₂ O ₃ and Pt/TiO ₂ in NH ₃ oxidation. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	5
60	Steam reforming of methane over Ni-substituted Sr hexaaluminates. <i>Catalysis for Sustainable Energy</i> , 2012, 1, .	0.7	3
61	Effect of surfactants on the structure and texture characteristics of aluminum oxide. <i>Kinetics and Catalysis</i> , 2012, 53, 440-448.	0.3	2
62	Peculiarities of Structure and Morphology of Copper-Cerium Nanopowders Produced by Laser Ablation. <i>Russian Physics Journal</i> , 2020, 63, 150-159.	0.2	2
63	Synthesis and catalytic activity of porous blocked Ag/SiO ₂ composites in low-temperature carbon monoxide oxidation. <i>Kinetics and Catalysis</i> , 2013, 54, 492-496.	0.3	1
64	Influence of a synthesis method and a support nature on physicochemical and catalytic properties of supported rhodium catalysts for the partial oxidation of hydrocarbons. I. Chloride series. <i>Molecular Catalysis</i> , 2021, 508, 111605.	1.0	1