

Alexander S Lisitsyn

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1738037/publications.pdf>

Version: 2024-02-01

38
papers

1,313
citations

430442

18
h-index

344852

36
g-index

39
all docs

39
docs citations

39
times ranked

1804
citing authors

#	ARTICLE	IF	CITATIONS
1	Single Atoms of Pt-Group Metals Stabilized by N-Doped Carbon Nanofibers for Efficient Hydrogen Production from Formic Acid. <i>ACS Catalysis</i> , 2016, 6, 3442-3451.	5.5	270
2	Palladium catalysts on activated carbon supports. <i>Carbon</i> , 2000, 38, 1241-1255.	5.4	211
3	Highly Stable Single-Atom Catalyst with Ionic Pd Active Sites Supported on N-Doped Carbon Nanotubes for Formic Acid Decomposition. <i>ChemSusChem</i> , 2018, 11, 3724-3727.	3.6	99
4	Properties of Pt/C and Pd/C catalysts prepared by reduction with hydrogen of adsorbed metal chlorides. <i>Applied Catalysis A: General</i> , 2000, 204, 229-240.	2.2	91
5	Development of active catalysts for low Pt loading cathodes of PEMFC by surface tailoring of nanocarbon materials. <i>Catalysis Today</i> , 2005, 102-103, 58-66.	2.2	83
6	Factors Influencing the Performance of Pd/C Catalysts in the Green Production of Hydrogen from Formic Acid. <i>ChemSusChem</i> , 2017, 10, 720-730.	3.6	76
7	Adsorption of carbon monoxide on manganese-promoted rhodium/silica catalysts as studied by infrared spectroscopy. <i>The Journal of Physical Chemistry</i> , 1990, 94, 1576-1581.	2.9	45
8	Properties of catalysts prepared by pyrolysis of Co ₂ (CO) ₈ on silica containing surface Ti ions. <i>Journal of Catalysis</i> , 1985, 95, 527-538.	3.1	44
9	High activity in CO oxidation of Ag nanoparticles supported on fumed silica. <i>Catalysis Communications</i> , 2012, 22, 43-47.	1.6	44
10	Hydrogenation of carbon monoxide catalysts prepared by pyrolysis of Co ₂ (CO) ₈ on various oxide supports. <i>Reaction Kinetics and Catalysis Letters</i> , 1980, 14, 445-450.	0.6	28
11	Carbon monoxide hydrogenation on supported Rh-Mn catalysts. <i>Journal of Molecular Catalysis</i> , 1990, 63, 201-211.	1.2	26
12	Carbon-supported iridium catalyst for reduction of chlorate ions with hydrogen in concentrated solutions of sodium chloride. <i>Applied Catalysis A: General</i> , 2012, 427-428, 8-15.	2.2	26
13	Thermal decomposition of metal carbonyls on oxide supports containing surface hydrides: A route to highly dispersed metal catalysts with unusual properties. <i>Applied Catalysis</i> , 1989, 55, 235-258.	1.1	25
14	Influence of the nitrogen-doped carbon nanofibers on the catalytic properties of supported metal and oxide nanoparticles. <i>Catalysis Today</i> , 2018, 301, 125-133.	2.2	21
15	Co/multi-walled carbon nanotubes as highly efficient catalytic nanoreactor for hydrogen production from formic acid. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 19420-19430.	3.8	21
16	Nature of active palladium sites on nitrogen doped carbon nanofibers in selective hydrogenation of acetylene. <i>Diamond and Related Materials</i> , 2018, 89, 67-73.	1.8	20
17	Preparation of platinum-on-carbon catalysts via hydrolytic deposition: Factors influencing the deposition and catalytic properties. <i>Applied Catalysis A: General</i> , 2012, 449, 203-214.	2.2	19
18	Probing the H ₂ -Induced Restructuring of Pt Nanoclusters by H ₂ -TPD. <i>Langmuir</i> , 2016, 32, 12013-12021.	1.6	19

#	ARTICLE	IF	CITATIONS
19	Nitrogen Doped Carbon Nanotubes and Nanofibers for Green Hydrogen Production: Similarities in the Nature of Nitrogen Species, Metal–Nitrogen Interaction, and Catalytic Properties. <i>Energies</i> , 2019, 12, 3976.	1.6	19
20	Synthesis of Pt/C Catalysts through Reductive Deposition: Ways of Tuning Catalytic Properties. <i>ChemCatChem</i> , 2013, 5, 2015-2024.	1.8	14
21	CO hydrogenation on cobalt catalysts. Effect of the conditions of Co ₂ (CO) ₈ pyrolysis on the surface of TiO ₂ on the catalytic and magnetic properties of the catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1982, 19, 187-191.	0.6	13
22	Influence of carbon support pretreatment on properties of Pd/C catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1990, 41, 211-216.	0.6	12
23	Carballylic acid transvinilation as catalysed by complexes of palladium acetate with phenanthroline-like ligands. <i>Applied Catalysis</i> , 1990, 66, 123-131.	1.1	11
24	Beneficial role of the nitrogen-doped carbon nanotubes in the synthesis of the active palladium supported catalyst. <i>Diamond and Related Materials</i> , 2019, 98, 107484.	1.8	11
25	Liquid-phase oxidation of α -pinene with oxygen catalyzed by carbon-supported platinum metals. <i>Kinetics and Catalysis</i> , 2007, 48, 38-44.	0.3	10
26	Selective dehydrogenation of propane to propene with O ₂ –H ₂ on bifunctional Pt-H ₃ PMo ₁₂ O ₄₀ catalysts. <i>Applied Catalysis A: General</i> , 2014, 477, 1-7.	2.2	10
27	On the origin of high-temperature phenomena in Pt/Al ₂ O ₃ . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 2339-2350.	1.3	10
28	2,2'-Bipyridine and related N-chelants as very effective promoters for Cu catalysts in the decarboxylation. <i>Applied Catalysis A: General</i> , 2007, 332, 166-170.	2.2	9
29	Improving the performance of Pt-H ₃ PMo ₁₂ O ₄₀ catalysts in the selective dehydrogenation of propane with O ₂ and H ₂ . <i>Catalysis Today</i> , 2015, 245, 179-185.	2.2	7
30	Preparation of palladium catalysts via thermal decomposition of supported Pd(O) complexes. <i>Reaction Kinetics and Catalysis Letters</i> , 1989, 38, 109-114.	0.6	4
31	Pt catalyst for the liquid-phase epoxidation of cyclohexene with an O ₂ /H ₂ mixture. <i>Reaction Kinetics and Catalysis Letters</i> , 1989, 38, 205-208.	0.6	4
32	Activation of palladium acetate by water in the catalytic vinylation of carboxylic acids with vinyl acetate. <i>Reaction Kinetics and Catalysis Letters</i> , 1989, 39, 405-409.	0.6	2
33	Oxidation of Fe(II) in a strongly acidic medium. Platinum catalysts may become important in processing of inorganic ions?. <i>Reaction Kinetics and Catalysis Letters</i> , 1993, 49, 119-126.	0.6	2
34	Structure sensitivity of Fe(II) oxidation on palladium and platinum catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1994, 52, 385-392.	0.6	2
35	A method to obtain a high loading of nano-sized Pt particles on carbon supports with a low surface area. <i>Carbon</i> , 2008, 46, 549-552.	5.4	2
36	Synthesis of Highly Dispersed Pt Catalysts on MWCNTs via Hydrolytic Deposition without Preliminary Modification of the Support. <i>Advanced Materials Research</i> , 0, 1040, 399-404.	0.3	1

#	ARTICLE	IF	CITATIONS
37	Strong response of Pt clusters to the environment and conditions, formation of metastable states, and simple methods to trace the reversible changes. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 22718-22732.	1.3	1
38	Characterization and Hydroisomerization Performance of Mg-Promoted, Pt/ZSM-23-Based Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	1.0	1