Ping Li

List of Publications by Year
in descending order

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		430874	330143
47	1,416	18	37
papers	citations	h-index	g-index

47	47	47	1878
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanistic Insight into Size-Dependent Activity and Durability in Pt/CNT Catalyzed Hydrolytic Dehydrogenation of Ammonia Borane. Journal of the American Chemical Society, 2014, 136, 16736-16739.	13.7	273
2	Structural characterization of carbon nanofibers formed from different carbon-containing gases. Carbon, 2006, 44, 3255-3262.	10.3	106
3	Characterization of carbon nanofiber composites synthesized by shaping process. Carbon, 2005, 43, 2701-2710.	10.3	85
4	Effect of carbon nanofiber microstructure on oxygen reduction activity of supported palladium electrocatalyst. Electrochemistry Communications, 2007, 9, 895-900.	4.7	81
5	Insight into the support effect on the particle size effect of Pt/C catalysts in dehydrogenation. Journal of Catalysis, 2018, 360, 175-186.	6.2	78
6	Synthesis of carbon nanofiber/graphite-felt composite as a catalyst. Microporous and Mesoporous Materials, 2006, 95, 1-7.	4.4	64
7	Microwave-assisted catalytic combustion of diesel soot. Applied Catalysis A: General, 1997, 159, 211-228.	4.3	57
8	Effect of Ag on the control of Ni-catalyzed carbon formation: A density functional theory study. Catalysis Today, 2012, 186, 54-62.	4.4	52
9	Carbon Nanofiber-Supported Ru Catalysts for Hydrogen Evolution by Ammonia Decomposition. Chinese Journal of Catalysis, 2010, 31, 979-986.	14.0	48
10	A Pt content and pore structure gradient distributed catalyst layer to improve the PEMFC performance. International Journal of Hydrogen Energy, 2017, 42, 7241-7245.	7.1	47
11	Partial positively charged Pt in Pt/MgAl2O4 for enhanced dehydrogenation activity. Applied Catalysis B: Environmental, 2021, 288, 119996.	20.2	44
12	CNFs-supported Pt catalyst for hydrogen evolution from decalin. Catalysis Communications, 2009, 10, 815-818.	3.3	37
13	Thermal stability analysis of cold start processes in PEM fuel cells. Applied Energy, 2020, 261, 114430.	10.1	29
14	Fabrication of three-dimensional buckypaper catalyst layer with Pt nanoparticles supported on polyelectrolyte functionalized carbon nanotubes for proton exchange membrane fuel cells. Journal of Power Sources, 2018, 393, 19-31.	7.8	27
15	Synthesis and characterization of titanium silicate-1 supported on carbon nanofiber. Microporous and Mesoporous Materials, 2008, 108, 311-317.	4.4	24
16	Hierarchical Fe-modified MgAl₂O₄ as a Ni-catalyst support for methane dry reforming. Catalysis Science and Technology, 2020, 10, 6987-7001.	4.1	22
17	Effects of carbon support on microwave-assisted catalytic dehydrogenation of decalin. Carbon, 2014, 67, 775-783.	10.3	21
18	Preparation of CNF-supported Pt catalysts for hydrogen evolution from decalin. Materials Chemistry and Physics, 2011, 126, 41-45.	4.0	20

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19	Preparation of thermostable electroconductive composite plates from expanded graphite and polyimide. Materials Chemistry and Physics, 2012, 134, 1160-1166.	4.0	19
20	Density functional theory study of decalin dehydrogenation for hydrogen release on Pt(111) and Pt(211). International Journal of Hydrogen Energy, 2018, 43, 19575-19588.	7.1	19
21	Enhanced Distribution and Anchorage of Carbon Nanofibers Grown on Structured Carbon Microfibers. Journal of Physical Chemistry C, 2009, 113, 1301-1307.	3.1	18
22	Synthesis and identification of hierarchical Î³-AlOOH self-assembled by nanosheets with adjustable exposed facets. CrystEngComm, 2016, 18, 4546-4554.	2.6	18
23	A monolith CuNiFe/Î³-Al2O3/Al catalyst for steam reforming of dimethyl ether and applied in a microreactor. International Journal of Hydrogen Energy, 2019, 44, 2417-2425.	7.1	17
24	Microwave-assisted hydrogen releasing from liquid organic hydride over Pt/CNT catalyst: Effects of oxidation treatment of CNTs. Catalysis Today, 2016, 276, 121-127.	4.4	16
25	Engineering Pt/carbon-nanofibers/carbon-paper composite towards highly efficient catalyst for hydrogen evolution from liquid organic hydride. International Journal of Hydrogen Energy, 2015, 40, 12217-12226.	7.1	15
26	Study on the Synthesis of Clay-Based Titanium Silicalite-1 Catalytic Composite. Industrial & Engineering Chemistry Research, 2009, 48, 5266-5275.	3.7	13
27	Grapheneâ€“CNT composite as catalyst support for microwave-assisted hydrogen releasing from liquid organic hydride. International Journal of Hydrogen Energy, 2017, 42, 17403-17413.	7.1	13
28	Effects of the Facet Orientation of Î³â€Al₂O₃ Support on the Direct Synthesis of H₂O₂ Catalyzed by Pd Nanoparticles. European Journal of Inorganic Chemistry, 2018, 2018, 1715-1725.	2.0	12
29	Deactivation and regeneration of Claus catalyst particles unraveled by pore network model. Chemical Engineering Science, 2020, 211, 115305.	3.8	12
30	Kinetic behavior of Pt catalyst supported on structured carbon nanofiber bed during hydrogen releasing from decalin. International Journal of Hydrogen Energy, 2016, 41, 10755-10765.	7.1	11
31	Revealing failure modes and effect of catalyst layer properties for PEM fuel cell cold start using an agglomerate model. Applied Energy, 2022, 312, 118792.	10.1	11
32	Evolution of Pt Nanoparticles Supported on Fishbone-Type Carbon Nanofibers with Coneâ€“Helix Structures: A Molecular Dynamics Study. Journal of Physical Chemistry C, 2013, 117, 14261-14271.	3.1	10
33	Kinetically controlled synthesis of carbon nanofibers with different morphologies by catalytic CO disproportionation over iron catalyst. Chemical Engineering Science, 2010, 65, 193-200.	3.8	9
34	Synthesis of hydrogen peroxide from H2 and O2 in water and ethanol catalyzed by nanoclustered Pd0 on silica: strong selectivity enhancement exerted by the addition of ionic liquids. Physical Chemistry Chemical Physics, 2010, 12, 2170.	2.8	9
35	Simultaneous recovery of carbon and sulfur resources from reduction of CO 2 with H 2 S using catalysts. Journal of Energy Chemistry, 2016, 25, 110-116.	12.9	9
36	Dynamical density functional theory for solvation dynamics in polar solvent: Heterogeneous effect of solvent orientation. Chemical Engineering Science, 2021, 246, 116978.	3.8	9

#	Article	IF	Citations
37	Support effects on catalytic performance for selective combustion of hydrogen in the presence of propene. Fuel Processing Technology, 2013, 108, 82-88.	7.2	8
38	Carbon nanotubes-supported Pt catalysts for decalin dehydrogenation to release hydrogen: A comparison between nitrogen- and oxygen-surface modification. International Journal of Hydrogen Energy, 2021, 46, 930-942.	7.1	8
39	Sulfidation of MoO₃/Î³-Al₂O₃ towards a highly efficient catalyst for CH₄ reforming with H₂S. Catalysis Science and Technology, 2021, 11, 1125-1140.	4.1	8
40	Pressure Drop of Structured Packing of Carbon Nanofiber Composite. Industrial & Engineering Chemistry Research, 2010, 49, 3944-3951.	3.7	7
41	Searching for efficient defect types in carbon nanofibers to promote supported Pt catalytic activity for dehydrogenation reaction. Catalysis Today, 2020, 347, 87-95.	4.4	7
42	Selective hydrogen combustion in the presence of propylene and propane over Pt/A-zeolite catalysts. International Journal of Hydrogen Energy, 2020, 45, 12347-12359.	7.1	5
43	Quantification of surface orientation effect on the thermal stability of Î³-Al2O3 with different morphologies. Applied Surface Science, 2022, 594, 153509.	6.1	5
44	Decoding Atomic-Level Structures of the Interface between Pt Sub-nanocrystals and Nanostructured Carbon. Journal of Physical Chemistry C, 2018, 122, 7166-7178.	3.1	4
45	Pressure Drop and Residence Time Distribution in Carbon-Nanofiber/Graphite-Felt Composite for Single Liquid-Phase Flow. Industrial & Engineering Chemistry Research, 2011, 50, 9431-9436.	3.7	3
46	Solvation dynamics in simple fluids: Effect of solute size and potential. Chemical Engineering Science, 2021, 232, 116371.	3.8	3
47	Hierarchical Numbering-Up of Modular Reactors: A Multi-Objective Optimization Approach. Chemical Engineering Journal, 2022, , 137781.	12.7	3