

Ping Li

List of Publications by Year in descending order

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47
papers

1,416
citations

430874

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47
docs citations

47
times ranked

1878
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Quantification of surface orientation effect on the thermal stability of γ -Al ₂ O ₃ with different morphologies. Applied Surface Science, 2022, 594, 153509.	6.1	5
3	Hierarchical Numbering-Up of Modular Reactors: A Multi-Objective Optimization Approach. Chemical Engineering Journal, 2022, , 137781.	12.7	3
4	Solvation dynamics in simple fluids: Effect of solute size and potential. Chemical Engineering Science, 2021, 232, 116371.	3.8	3
5	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
6	Sulfidation of MoO ₃ / γ -Al ₂ O ₃ towards a highly efficient catalyst for CH ₄ reforming with H ₂ S. Catalysis Science and Technology, 2021, 11, 1125-1140.	4.1	8
7	Partial positively charged Pt in Pt/MgAl ₂ O ₄ for enhanced dehydrogenation activity. Applied Catalysis B: Environmental, 2021, 288, 119996.	20.2	44
8	Dynamical density functional theory for solvation dynamics in polar solvent: Heterogeneous effect of solvent orientation. Chemical Engineering Science, 2021, 246, 116978.	3.8	9
9	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
10	Deactivation and regeneration of Claus catalyst particles unraveled by pore network model. Chemical Engineering Science, 2020, 211, 115305.	3.8	12
11	Thermal stability analysis of cold start processes in PEM fuel cells. Applied Energy, 2020, 261, 114430.	10.1	29
12	Hierarchical Fe-modified MgAl ₂ O ₄ as a Ni-catalyst support for methane dry reforming. Catalysis Science and Technology, 2020, 10, 6987-7001.	4.1	22
13	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
14	A monolith CuNiFe/ γ -Al ₂ O ₃ /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
15	Effects of the Facet Orientation of γ -Al ₂ O ₃ Support on the Direct Synthesis of H ₂ O ₂ Catalyzed by Pd Nanoparticles. European Journal of Inorganic Chemistry, 2018, 2018, 1715-1725.	2.0	12
16	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
17	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
18	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

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19	Fabrication of three-dimensional buckypaper catalyst layer with Pt nanoparticles supported on polyelectrolyte functionalized carbon nanotubes for proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2018, 393, 19-31.	7.8	27
20	A Pt content and pore structure gradient distributed catalyst layer to improve the PEMFC performance. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 7241-7245.	7.1	47
21	Graphene/CNT composite as catalyst support for microwave-assisted hydrogen releasing from liquid organic hydride. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 17403-17413.	7.1	13
22	Microwave-assisted hydrogen releasing from liquid organic hydride over Pt/CNT catalyst: Effects of oxidation treatment of CNTs. <i>Catalysis Today</i> , 2016, 276, 121-127.	4.4	16
23	Kinetic behavior of Pt catalyst supported on structured carbon nanofiber bed during hydrogen releasing from decalin. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 10755-10765.	7.1	11
24	Synthesis and identification of hierarchical γ -AlOOH self-assembled by nanosheets with adjustable exposed facets. <i>CrystEngComm</i> , 2016, 18, 4546-4554.	2.6	18
25	Simultaneous recovery of carbon and sulfur resources from reduction of CO ₂ with H ₂ S using catalysts. <i>Journal of Energy Chemistry</i> , 2016, 25, 110-116.	12.9	9
26	Engineering Pt/carbon-nanofibers/carbon-paper composite towards highly efficient catalyst for hydrogen evolution from liquid organic hydride. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 12217-12226.	7.1	15
27	Mechanistic Insight into Size-Dependent Activity and Durability in Pt/CNT Catalyzed Hydrolytic Dehydrogenation of Ammonia Borane. <i>Journal of the American Chemical Society</i> , 2014, 136, 16736-16739.	13.7	273
28	Effects of carbon support on microwave-assisted catalytic dehydrogenation of decalin. <i>Carbon</i> , 2014, 67, 775-783.	10.3	21
29	Support effects on catalytic performance for selective combustion of hydrogen in the presence of propene. <i>Fuel Processing Technology</i> , 2013, 108, 82-88.	7.2	8
30	Evolution of Pt Nanoparticles Supported on Fishbone-Type Carbon Nanofibers with Cone Helix Structures: A Molecular Dynamics Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14261-14271.	3.1	10
31	Effect of Ag on the control of Ni-catalyzed carbon formation: A density functional theory study. <i>Catalysis Today</i> , 2012, 186, 54-62.	4.4	52
32	Preparation of thermostable electroconductive composite plates from expanded graphite and polyimide. <i>Materials Chemistry and Physics</i> , 2012, 134, 1160-1166.	4.0	19
33	Pressure Drop and Residence Time Distribution in Carbon-Nanofiber/Graphite-Felt Composite for Single Liquid-Phase Flow. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 9431-9436.	3.7	3
34	Preparation of CNF-supported Pt catalysts for hydrogen evolution from decalin. <i>Materials Chemistry and Physics</i> , 2011, 126, 41-45.	4.0	20
35	Kinetically controlled synthesis of carbon nanofibers with different morphologies by catalytic CO disproportionation over iron catalyst. <i>Chemical Engineering Science</i> , 2010, 65, 193-200.	3.8	9
36	Carbon Nanofiber-Supported Ru Catalysts for Hydrogen Evolution by Ammonia Decomposition. <i>Chinese Journal of Catalysis</i> , 2010, 31, 979-986.	14.0	48

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37	Pressure Drop of Structured Packing of Carbon Nanofiber Composite. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 3944-3951.	3.7	7
38	Synthesis of hydrogen peroxide from H ₂ and O ₂ in water and ethanol catalyzed by nanoclustered Pd ₀ on silica: strong selectivity enhancement exerted by the addition of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2170.	2.8	9
39	Study on the Synthesis of Clay-Based Titanium Silicalite-1 Catalytic Composite. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 5266-5275.	3.7	13
40	Enhanced Distribution and Anchorage of Carbon Nanofibers Grown on Structured Carbon Microfibers. <i>Journal of Physical Chemistry C</i> , 2009, 113, 1301-1307.	3.1	18
41	CNFs-supported Pt catalyst for hydrogen evolution from decalin. <i>Catalysis Communications</i> , 2009, 10, 815-818.	3.3	37
42	Synthesis and characterization of titanium silicate-1 supported on carbon nanofiber. <i>Microporous and Mesoporous Materials</i> , 2008, 108, 311-317.	4.4	24
43	Effect of carbon nanofiber microstructure on oxygen reduction activity of supported palladium electrocatalyst. <i>Electrochemistry Communications</i> , 2007, 9, 895-900.	4.7	81
44	Structural characterization of carbon nanofibers formed from different carbon-containing gases. <i>Carbon</i> , 2006, 44, 3255-3262.	10.3	106
45	Synthesis of carbon nanofiber/graphite-felt composite as a catalyst. <i>Microporous and Mesoporous Materials</i> , 2006, 95, 1-7.	4.4	64
46	Characterization of carbon nanofiber composites synthesized by shaping process. <i>Carbon</i> , 2005, 43, 2701-2710.	10.3	85
47	Microwave-assisted catalytic combustion of diesel soot. <i>Applied Catalysis A: General</i> , 1997, 159, 211-228.	4.3	57