

Lidan Deng

List of Publications by Year in descending order

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14
papers

462
citations

759233

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1058476

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14
times ranked

565
citing authors

#	ARTICLE	IF	CITATIONS
1	Elucidating strong metal-support interactions in Pt@Sn/SiO ₂ catalyst and its consequences for dehydrogenation of lower alkanes. <i>Journal of Catalysis</i> , 2018, 365, 277-291.	6.2	84
2	Strong metal-support interaction between Pt and SiO ₂ following high-temperature reduction: a catalytic interface for propane dehydrogenation. <i>Chemical Communications</i> , 2017, 53, 6937-6940.	4.1	61
3	Effect of reduction method on the activity of Pt@Sn/SiO ₂ for dehydrogenation of propane. <i>Catalysis Today</i> , 2014, 232, 33-39.	4.4	52
4	Dehydrogenation of Propane over Silica-Supported Platinum-Tin Catalysts Prepared by Direct Reduction: Effects of Tin/Platinum Ratio and Reduction Temperature. <i>ChemCatChem</i> , 2014, 6, 2680-2691.	3.7	49
5	Ammonia decomposition over SiO ₂ -supported Ni-Co bimetallic catalyst for CO _x -free hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 15263-15269.	7.1	47
6	Metal-support interactions on Ru/CaAlO _x catalysts derived from structural reconstruction of Ca-Al layered double hydroxides for ammonia decomposition. <i>Chemical Communications</i> , 2019, 55, 14410-14413.	4.1	39
7	Highly Active and Stable Pt@Sn/SBA-15 Catalyst Prepared by Direct Reduction for Ethylbenzene Dehydrogenation: Effects of Sn Addition. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 7160-7172.	3.7	28
8	Platinum Nanoparticles with Low Content and High Dispersion over Exfoliated Layered Double Hydroxide for Photocatalytic CO ₂ Reduction. <i>Energy & Fuels</i> , 2021, 35, 10820-10831.	5.1	23
9	Nickel-induced structure transformation in hydrocalumite for enhanced ammonia decomposition. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 12244-12255.	7.1	20
10	Behavior of active species on Pt-Sn/SiO ₂ catalyst during the dehydrogenation of propane and regeneration. <i>Applied Catalysis A: General</i> , 2020, 606, 117826.	4.3	18
11	The importance of direct reduction in the synthesis of highly active Pt@Sn/SBA-15 for <i>n</i> -butane dehydrogenation. <i>Catalysis Science and Technology</i> , 2019, 9, 947-956.	4.1	14
12	Transfer hydrogenation of CO ₂ into formaldehyde from aqueous glycerol heterogeneously catalyzed by Ru bound to LDH. <i>Chemical Communications</i> , 2021, 57, 5167-5170.	4.1	14
13	Mesoporous Silica SBA-15 Supported Pt-Ga Nanoalloys as an Active and Stable Catalyst for Propane Dehydrogenation. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 7799-7809.	3.7	9
14	Nickel nanoparticles derived from the direct thermal reduction of Ni-containing Ca-Al layered double hydroxides for hydrogen generation via ammonia decomposition. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 38351-38362.	7.1	4