Lidan Deng

List of Publications by Year
in descending order

14 papers	462 citations	759233 12 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	565 citing authors

#	Article	IF	Citations
1	Mesoporous Silica SBA-15 Supported Ptâ€“Ga Nanoalloys as an Active and Stable Catalyst for Propane Dehydrogenation. Industrial & Engineering Chemistry Research, 2022, 61, 7799-7809.	3.7	9
2	Transfer hydrogenation of CO₂ into formaldehyde from aqueous glycerol heterogeneously catalyzed by Ru bound to LDH. Chemical Communications, 2021, 57, 5167-5170.	4.1	14
3	Platinum Nanoparticles with Low Content and High Dispersion over Exfoliated Layered Double Hydroxide for Photocatalytic CO₂ Reduction. Energy & Fuels, 2021, 35, 10820-10831.	5.1	23
4	Nickel nanoparticles derived from the direct thermal reduction of Ni-containing Caâ€“Al layered double hydroxides for hydrogen generation via ammonia decomposition. International Journal of Hydrogen Energy, 2021, 46, 38351-38362.	7.1	4
5	Behavior of active species on Pt-Sn/SiO2 catalyst during the dehydrogenation of propane and regeneration. Applied Catalysis A: General, 2020, 606, 117826.	4.3	18
6	Nickel-induced structure transformation in hydrocalumite for enhanced ammonia decomposition. International Journal of Hydrogen Energy, 2020, 45, 12244-12255.	7.1	20
7	Ammonia decomposition over SiO2-supported Niâ€“Co bimetallic catalyst for COx-free hydrogen generation. International Journal of Hydrogen Energy, 2020, 45, 15263-15269.	7.1	47
8	The importance of direct reduction in the synthesis of highly active Ptâ€“Sn/SBA-15 for n-butane dehydrogenation. Catalysis Science and Technology, 2019, 9, 947-956.	4.1	14
9	Metalâ€“support interactions on Ru/CaAlO_x catalysts derived from structural reconstruction of Caâ€“Al layered double hydroxides for ammonia decomposition. Chemical Communications, 2019, 55, 14410-14413.	4.1	39
10	Elucidating strong metal-support interactions in Ptâ€“Sn/SiO2 catalyst and its consequences for dehydrogenation of lower alkanes. Journal of Catalysis, 2018, 365, 277-291.	6.2	84
11	Highly Active and Stable Ptâ€“Sn/SBA-15 Catalyst Prepared by Direct Reduction for Ethylbenzene Dehydrogenation: Effects of Sn Addition. Industrial & Engineering Chemistry Research, 2017, 56, 7160-7172.	3.7	28
12	Strong metal-support interaction between Pt and SiO₂ following high-temperature reduction: a catalytic interface for propane dehydrogenation. Chemical Communications, 2017, 53, 6937-6940.	4.1	61
13	Dehydrogenation of Propane over Silicaâ€Supported Platinumâ€“Tin Catalysts Prepared by Direct Reduction: Effects of Tin/Platinum Ratio and Reduction Temperature. ChemCatChem, 2014, 6, 2680-2691.	3.7	49
14	Effect of reduction method on the activity of Ptâ€“Sn/SiO2 for dehydrogenation of propane. Catalysis Today, 2014, 232, 33-39.	4.4	52