Xue-Lu

List of Publications by Year
in descending order

14 papers	560 citations	840776 11 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	970 citing authors

#	Article	IF	Citations
1	Surface Single-Cluster Catalyst for N₂-to-NH₃ Thermal Conversion. Journal of the American Chemical Society, 2018, 140, 46-49.	13.7	233
2	Molecular nitrogen promotes catalytic hydrodeoxygenation. Nature Catalysis, 2019, 2, 1078-1087.	34.4	63
3	The Nature of Hydrogen Production from Aqueousâ€Phase Methanol Dehydrogenation with Ruthenium Pincer Complexes Under Mild Conditions. European Journal of Inorganic Chemistry, 2015, 2015, 794-803.	2.0	56
4	Mechanistic Insights into the Directed Hydrogenation of Hydroxylated Alkene Catalyzed by Bis(phosphine)cobalt Dialkyl Complexes. Journal of Organic Chemistry, 2017, 82, 2703-2712.	3.2	35
5	Mechanistic Investigations on Thermal Hydrogenation of CO₂ to Methanol by Nanostructured CeO₂(100): The Crystal-Plane Effect on Catalytic Reactivity. Journal of Physical Chemistry C, 2019, 123, 11763-11771.	3.1	35
6	DFT Study on the Mechanism of Tandem Oxidative Acetoxylation/Ortho Câ€“H Activation/Carbocyclization Catalyzed by Pd(OAc)₂. Organometallics, 2016, 35, 3301-3310.	2.3	27
7	Efficient Nitrogen Fixation via a Redox-Flexible Single-Iron Site with Reverse-Dative Iron â†' Boron Ïƒ Bonding. Journal of Physical Chemistry A, 2018, 122, 4530-4537.	2.5	23
8	The dfâ€“d Dative Bonding in a Uraniumâ€“Cobalt Heterobimetallic Complex for Efficient Nitrogen Fixation. Inorganic Chemistry, 2019, 58, 7433-7439.	4.0	19
9	N 2 Reduction on Feâ€Based Complexes with Different Supporting Mainâ€Group Elements: Critical Roles of Anchor and Peripheral Ligands. Small Methods, 2019, 3, 1800340.	8.6	17
10	CO assisted N₂functionalization activated by a dinuclear hafnium complex: a DFT mechanistic exploration. Physical Chemistry Chemical Physics, 2013, 15, 901-910.	2.8	13
11	Mechanistic Studies on the Carboxylation of Hafnocene and ansa-Zirconocene Dinitrogen Complexes with CO2. Organometallics, 2013, 32, 7077-7082.	2.3	13
12	Theoretical investigation on hydrogenation of dinitrogen triggered by singly dispersed bimetallic sites. Journal of Materials Chemistry A, 2022, 10, 6146-6152.	10.3	10
13	Homolytic or Heterolytic Dihydrogen Splitting with Ditantalum/Dizirconium Dinitrogen Complexes? A Computational Study. Organometallics, 2015, 34, 1255-1263.	2.3	8
14	Singly Dispersed Bimetallic Sites as Stable and Efficient Single-Cluster Catalysts for Activating N₂ and CO₂. Journal of Physical Chemistry C, 2021, 125, 27192-27198.	3.1	8