

Xue-Lu

List of Publications by Year in descending order

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14
papers

560
citations

840776

11
h-index

1058476

14
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all docs

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docs citations

14
times ranked

970
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical investigation on hydrogenation of dinitrogen triggered by singly dispersed bimetallic sites. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6146-6152.	10.3	10
2	Singly Dispersed Bimetallic Sites as Stable and Efficient Single-Cluster Catalysts for Activating N_2 and CO_2 . <i>Journal of Physical Chemistry C</i> , 2021, 125, 27192-27198.	3.1	8
3	The d π -d Dative Bonding in a Uranium-Cobalt Heterobimetallic Complex for Efficient Nitrogen Fixation. <i>Inorganic Chemistry</i> , 2019, 58, 7433-7439.	4.0	19
4	Mechanistic Investigations on Thermal Hydrogenation of CO_2 to Methanol by Nanostructured $CeO_2(100)$: The Crystal-Plane Effect on Catalytic Reactivity. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11763-11771.	3.1	35
5	Molecular nitrogen promotes catalytic hydrodeoxygenation. <i>Nature Catalysis</i> , 2019, 2, 1078-1087.	34.4	63
6	N_2 Reduction on Fe-Based Complexes with Different Supporting Main-Group Elements: Critical Roles of Anchor and Peripheral Ligands. <i>Small Methods</i> , 2019, 3, 1800340.	8.6	17
7	Efficient Nitrogen Fixation via a Redox-Flexible Single-Iron Site with Reverse-Dative Iron π Boron σ Bonding. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4530-4537.	2.5	23
8	Surface Single-Cluster Catalyst for N_2 -to- NH_3 Thermal Conversion. <i>Journal of the American Chemical Society</i> , 2018, 140, 46-49.	13.7	233
9	Mechanistic Insights into the Directed Hydrogenation of Hydroxylated Alkene Catalyzed by Bis(phosphine)cobalt Dialkyl Complexes. <i>Journal of Organic Chemistry</i> , 2017, 82, 2703-2712.	3.2	35
10	DFT Study on the Mechanism of Tandem Oxidative Acetoxylation/Ortho C-H Activation/Carbocyclization Catalyzed by $Pd(OAc)_2$. <i>Organometallics</i> , 2016, 35, 3301-3310.	2.3	27
11	The Nature of Hydrogen Production from Aqueous-Phase Methanol Dehydrogenation with Ruthenium Pincer Complexes Under Mild Conditions. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 794-803.	2.0	56
12	Homolytic or Heterolytic Dihydrogen Splitting with Ditanalium/Dizirconium Dinitrogen Complexes? A Computational Study. <i>Organometallics</i> , 2015, 34, 1255-1263.	2.3	8
13	CO assisted N_2 functionalization activated by a dinuclear hafnium complex: a DFT mechanistic exploration. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 901-910.	2.8	13
14	Mechanistic Studies on the Carboxylation of Hafnocene and ansa-Zirconocene Dinitrogen Complexes with CO_2 . <i>Organometallics</i> , 2013, 32, 7077-7082.	2.3	13