

Elaine Gomez

List of Publications by Year in descending order

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12
papers

1,008
citations

933447

10
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

1266
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic limitations on alkane dehydrogenation under H ₂ deficient conditions relevant to membrane reactors. <i>Energy and Environmental Science</i> , 2022, 15, 2120-2129.	30.8	8
2	Simultaneously upgrading CO ₂ and light alkanes into value-added products. <i>AIChE Journal</i> , 2021, 67, e17249.	3.6	15
3	Assessment of metal-metal interactions and catalytic behavior in platinum-tin bimetallic subnanometric clusters by using reactive characterizations. <i>Journal of Catalysis</i> , 2021, 404, 393-399.	6.2	10
4	Tandem Reactions of CO ₂ Reduction and Ethane Aromatization. <i>Journal of the American Chemical Society</i> , 2019, 141, 17771-17782.	13.7	62
5	Carbon dioxide reduction in tandem with light-alkane dehydrogenation. <i>Nature Reviews Chemistry</i> , 2019, 3, 638-649.	30.2	124
6	The effects of bimetallic interactions for CO ₂ -assisted oxidative dehydrogenation and dry reforming of propane. <i>AIChE Journal</i> , 2019, 65, e16670.	3.6	38
7	Net reduction of CO ₂ via its thermocatalytic and electrocatalytic transformation reactions in standard and hybrid processes. <i>Nature Catalysis</i> , 2019, 2, 381-386.	34.4	317
8	Combining CO ₂ reduction with propane oxidative dehydrogenation over bimetallic catalysts. <i>Nature Communications</i> , 2018, 9, 1398.	12.8	113
9	Active sites for tandem reactions of CO ₂ reduction and ethane dehydrogenation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8278-8283.	7.1	105
10	Dry Reforming of Ethane and Butane with CO ₂ over PtNi/CeO ₂ Bimetallic Catalysts. <i>ACS Catalysis</i> , 2016, 6, 7283-7292.	11.2	103
11	Identifying Different Types of Catalysts for CO ₂ Reduction by Ethane through Dry Reforming and Oxidative Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15501-15505.	13.8	99
12	Identifying Different Types of Catalysts for CO ₂ Reduction by Ethane through Dry Reforming and Oxidative Dehydrogenation. <i>Angewandte Chemie</i> , 2015, 127, 15721-15725.	2.0	7