

Mireille Ghoussoub

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

1,380
citations

933447

10
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

1945
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneous catalytic hydrogenation of CO ₂ by metal oxides: defect engineering – perfecting imperfection. <i>Chemical Society Reviews</i> , 2017, 46, 4631-4644.	38.1	304
2	Principles of photothermal gas-phase heterogeneous CO ₂ catalysis. <i>Energy and Environmental Science</i> , 2019, 12, 1122-1142.	30.8	300
3	Black indium oxide a photothermal CO ₂ hydrogenation catalyst. <i>Nature Communications</i> , 2020, 11, 2432.	12.8	192
4	Photocatalytic Hydrogenation of Carbon Dioxide with High Selectivity to Methanol at Atmospheric Pressure. <i>Joule</i> , 2018, 2, 1369-1381.	24.0	148
5	Catalytic CO ₂ reduction by palladium-decorated silicon – hydride nanosheets. <i>Nature Catalysis</i> , 2019, 2, 46-54.	34.4	116
6	Photothermal Catalyst Engineering: Hydrogenation of Gaseous CO ₂ with High Activity and Tailored Selectivity. <i>Advanced Science</i> , 2017, 4, 1700252.	11.2	97
7	Tailoring Surface Frustrated Lewis Pairs of In ₂ O ₃ (OH) _y for Gas-Phase Heterogeneous Photocatalytic Reduction of CO ₂ by Isomorphous Substitution of In ³⁺ with Bi ³⁺ . <i>Advanced Science</i> , 2018, 5, 1700732.	11.2	91
8	Metadynamics-Biased ab Initio Molecular Dynamics Study of Heterogeneous CO ₂ Reduction via Surface Frustrated Lewis Pairs. <i>ACS Catalysis</i> , 2016, 6, 7109-7117.	11.2	78
9	Plasmonic Titanium Nitride Facilitates Indium Oxide CO ₂ Photocatalysis. <i>Small</i> , 2020, 16, e2005754.	10.0	32
10	Oligothiophene-Functionalized Benzene and Tetrathienoanthracene: Effect of Enhanced – Conjugation on Optoelectronic Properties, Self-Assembly and Device Performance. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5854-5863.	2.4	14
11	Solar Fuels: Tailoring Surface Frustrated Lewis Pairs of In ₂ O ₃ (OH) _y for Gas-Phase Heterogeneous Photocatalytic Reduction of CO ₂ by Isomorphous Substitution of In ³⁺ with Bi ³⁺ (Adv. Sci. 6/2018). <i>Advanced Science</i> , 2018, 5, 1870034.	11.2	3
12	Kinetics and Mechanism of Turanite Reduction by Hydrogen. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18356-18365.	3.1	3
13	Photothermal Catalysis: Photothermal Catalyst Engineering: Hydrogenation of Gaseous CO ₂ with High Activity and Tailored Selectivity (Adv. Sci. 10/2017). <i>Advanced Science</i> , 2017, 4, .	11.2	2