

Elena PÃ©rez-Gallent

List of Publications by Year in descending order

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11
papers

2,403
citations

1040056

9
h-index

1372567

10
g-index

12
all docs

12
docs citations

12
times ranked

2604
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances and challenges in understanding the electrocatalytic conversion of carbon dioxide to fuels. <i>Nature Energy</i> , 2019, 4, 732-745.	39.5	1,506
2	Spectroscopic Observation of a Hydrogenated CO Dimer Intermediate During CO Reduction on Cu(100) Electrodes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3621-3624.	13.8	366
3	Structure- and Potential-Dependent Cation Effects on CO Reduction at Copper Single-Crystal Electrodes. <i>Journal of the American Chemical Society</i> , 2017, 139, 16412-16419.	13.7	289
4	Spectroscopic Observation of a Hydrogenated CO Dimer Intermediate During CO Reduction on Cu(100) Electrodes. <i>Angewandte Chemie</i> , 2017, 129, 3675-3678.	2.0	112
5	Electroreduction of CO ₂ to CO Paired with 1,2-Propanediol Oxidation to Lactic Acid. Toward an Economically Feasible System. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 6195-6202.	3.7	41
6	Integrating CO ₂ Capture with Electrochemical Conversion Using Amine-Based Capture Solvents as Electrolytes. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 4269-4278.	3.7	37
7	Influence of the Steric Bulk and Solvent on the Photoreactivity of Ruthenium Polypyridyl Complexes Coordinated to <i>l</i> -Proline. <i>Inorganic Chemistry</i> , 2017, 56, 4818-4828.	4.0	23
8	Solubilities and Transport Properties of CO ₂ , Oxalic Acid, and Formic Acid in Mixed Solvents Composed of Deep Eutectic Solvents, Methanol, and Propylene Carbonate. <i>Journal of Physical Chemistry B</i> , 2022, 126, 3572-3584.	2.6	13
9	Overcoming Mass Transport Limitations in Electrochemical Reactors with a Pulsating Flow Electrolyzer. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5648-5656.	3.7	11
10	Mechanistic Study of the Electrosynthesis of Propylene Carbonate from Propylene Oxide and CO ₂ on Copper Electrodes. <i>ChemElectroChem</i> , 2019, 6, 2917-2923.	3.4	5
11	(Invited) Process Intensification of Electrochemical Systems for CO ₂ and Biomass Valorization. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 2344-2344.	0.0	0