Marijn A Blommaert

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7931814/publications.pdf

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10	521	933447 10	1372567 10
papers	citations	h-index	g-index

12	12	12	587
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Operando EXAFS study reveals presence of oxygen in oxide-derived silver catalysts for electrochemical CO₂ reduction. Journal of Materials Chemistry A, 2019, 7, 2597-2607.	10.3	125
2	Cation-Driven Increases of CO₂ Utilization in a Bipolar Membrane Electrode Assembly for CO₂ Electrolysis. ACS Energy Letters, 2021, 6, 4291-4298.	17.4	88
3	Insights and Challenges for Applying Bipolar Membranes in Advanced Electrochemical Energy Systems. ACS Energy Letters, 2021, 6, 2539-2548.	17.4	86
4	Electrochemical impedance spectroscopy as a performance indicator of water dissociation in bipolar membranes. Journal of Materials Chemistry A, 2019, 7, 19060-19069.	10.3	45
5	Reduced Ion Crossover in Bipolar Membrane Electrolysis via Increased Current Density, Molecular Size, and Valence. ACS Applied Energy Materials, 2020, 3, 5804-5812.	5.1	45
6	Orientation of a bipolar membrane determines the dominant ion and carbonic species transport in membrane electrode assemblies for CO₂ reduction. Journal of Materials Chemistry A, 2021, 9, 11179-11186.	10.3	40
7	Chemisorption of Anionic Species from the Electrolyte Alters the Surface Electronic Structure and Composition of Photocharged BiVO₄. Chemistry of Materials, 2019, 31, 7453-7462.	6.7	30
8	Characterizing CO₂ Reduction Catalysts on Gas Diffusion Electrodes: Comparing Activity, Selectivity, and Stability of Transition Metal Catalysts. ACS Applied Energy Materials, 2022, 5, 5983-5994.	5.1	23
9	Bipolar Membrane and Interface Materials for Electrochemical Energy Systems. ACS Applied Energy Materials, 2021, 4, 7419-7439.	5.1	21
10	High Indirect Energy Consumption in AEM-Based CO₂ Electrolyzers Demonstrates the Potential of Bipolar Membranes. ACS Applied Materials & Interfaces, 2022, 14, 557-563.	8.0	18