

Marijn A Blommaert

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

521
citations

933447

10
h-index

1372567

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g-index

12
all docs

12
docs citations

12
times ranked

587
citing authors

#	ARTICLE	IF	CITATIONS
1	High Indirect Energy Consumption in AEM-Based CO ₂ Electrolyzers Demonstrates the Potential of Bipolar Membranes. ACS Applied Materials & Interfaces, 2022, 14, 557-563.	8.0	18
2	Characterizing CO ₂ 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
3	Orientation of a bipolar membrane determines the dominant ion and carbonic species transport in membrane electrode assemblies for CO ₂ reduction. Journal of Materials Chemistry A, 2021, 9, 11179-11186.	10.3	40
4	Insights and Challenges for Applying Bipolar Membranes in Advanced Electrochemical Energy Systems. ACS Energy Letters, 2021, 6, 2539-2548.	17.4	86
5	Bipolar Membrane and Interface Materials for Electrochemical Energy Systems. ACS Applied Energy Materials, 2021, 4, 7419-7439.	5.1	21
6	Cation-Driven Increases of CO ₂ Utilization in a Bipolar Membrane Electrode Assembly for CO ₂ Electrolysis. ACS Energy Letters, 2021, 6, 4291-4298.	17.4	88
7	Reduced Ion Crossover in Bipolar Membrane Electrolysis <i>via</i> Increased Current Density, Molecular Size, and Valence. ACS Applied Energy Materials, 2020, 3, 5804-5812.	5.1	45
8	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
9	Chemisorption of Anionic Species from the Electrolyte Alters the Surface Electronic Structure and Composition of Photocharged BiVO ₄ . Chemistry of Materials, 2019, 31, 7453-7462.	6.7	30
10	<i>Operando</i> EXAFS study reveals presence of oxygen in oxide-derived silver catalysts for electrochemical CO ₂ reduction. Journal of Materials Chemistry A, 2019, 7, 2597-2607.	10.3	125