Nicolas Dubouis

List of Publications by Year
in descending order

17	1,512	623734 14	888059 17
papers	citations	h-index	g-index

32	32	32	2130
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The hydrogen evolution reaction: from material to interfacial descriptors. Chemical Science, 2019, 10, 9165-9181.	7.4	560
2	The role of the hydrogen evolution reaction in the solidâ€“electrolyte interphase formation mechanism for â€œWater-in-Saltâ€•electrolytes. Energy and Environmental Science, 2018, 11, 3491-3499.	30.8	224
3	A Dissolution/Precipitation Equilibrium on the Surface of Iridiumâ€Based Perovskites Controls Their Activity as Oxygen Evolution Reaction Catalysts in Acidic Media. Angewandte Chemie - International Edition, 2019, 58, 4571-4575.	13.8	141
4	The Fate of Water at the Electrochemical Interfaces: Electrochemical Behavior of Free Water Versus Coordinating Water. Journal of Physical Chemistry Letters, 2018, 9, 6683-6688.	4.6	105
5	Tuning water reduction through controlled nanoconfinement within an organic liquid matrix. Nature Catalysis, 2020, 3, 656-663.	34.4	91
6	The Effect of Water on Quinone Redox Mediators in Nonaqueous Li-O₂ Batteries. Journal of the American Chemical Society, 2018, 140, 1428-1437.	13.7	88
7	Importance of Water Structure and Catalystâ€“Electrolyte Interface on the Design of Water Splitting Catalysts. Chemistry of Materials, 2019, 31, 8248-8259.	6.7	54
8	Revealing the Impact of Electrolyte Composition for Co-Based Water Oxidation Catalysts by the Study of Reaction Kinetics Parameters. ACS Catalysis, 2020, 10, 4160-4170.	11.2	43
9	A Dissolution/Precipitation Equilibrium on the Surface of Iridiumâ€Based Perovskites Controls Their Activity as Oxygen Evolution Reaction Catalysts in Acidic Media. Angewandte Chemie, 2019, 131, 4619-4623.	2.0	41
10	Interfacial Interactions as an Electrochemical Tool To Understand Mo-Based Catalysts for the Hydrogen Evolution Reaction. ACS Catalysis, 2018, 8, 828-836.	11.2	34
11	Chasing Aqueous Biphasic Systems from Simple Salts by Exploring the LiTFSI/LiCl/H₂O Phase Diagram. ACS Central Science, 2019, 5, 640-643.	11.3	31
12	Extending insertion electrochemistry to soluble layered halides with superconcentrated electrolytes. Nature Materials, 2021, 20, 1545-1550.	27.5	25
13	Confining Water in Ionic and Organic Solvents to Tune Its Adsorption and Reactivity at Electrified Interfaces. Accounts of Chemical Research, 2021, 54, 1034-1042.	15.6	21
14	Effect of electrolyte flow on a gas evolution electrode. Scientific Reports, 2021, 11, 4677.	3.3	17
15	Toward the understanding of water-in-salt electrolytes: Individual ion activities and liquid junction potentials in highly concentrated aqueous solutions. Journal of Chemical Physics, 2021, 155, 064701.	3.0	15
16	Crystallographic and magnetic structures of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">V</mml:mi><mml:msub><mml:mi mathvariant="normal">I</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>LiV</mml:mi><mml:msub><mml:mi	3.2	13
17	Anion Specific Effects Drive the Formation of Li-Salt Based Aqueous Biphasic Systems. Journal of Physical Chemistry B, 2021, 125, 5365-5372.	2.6	9