Pawel Peter Bawol

List of Publications by Year
in descending order

15 papers	241 citations	1163117 8 h-index	1058476 14 g-index
17 all docs	17 docs citations	17 times ranked	312 citing authors

#	ARTICLE	IF	CITATIONS
1	SLIM: A Shortâ€Linked, Highly Redoxâ€Stable Trityl Label for Highâ€Sensitivity Inâ€Cell EPR Distance Measurements. Angewandte Chemie - International Edition, 2020, 59, 9767-9772.	13.8	72
2	A new thin layer cell for battery related DEMS-experiments: the activity of redox mediators in the Liâ€"O2 cell. Physical Chemistry Chemical Physics, 2018, 20, 21447-21456.	2.8	24
3	The impact of solvent properties on the performance of oxygen reduction and evolution in mixed tetraglyme-dimethyl sulfoxide electrolytes for Li-O2 batteries: Mechanism and stability. Electrochimica Acta, 2017, 245, 967-980.	5.2	23
4	Electrochemical Reaction Order of the Oxygen Reduction Reaction in Li⁺-Containing DMSO. Journal of Physical Chemistry C, 2017, 121, 7677-7688.	3.1	23
5	Gaining Control over the Mechanism of Oxygen Reduction in Organic Electrolytes: The Effect of Solvent Properties. Journal of Physical Chemistry C, 2017, 121, 8864-8872.	3.1	20
6	SLIM: A Shortâ€Linked, Highly Redoxâ€Stable Trityl Label for Highâ€Sensitivity Inâ€Cell EPR Distance Measurements. Angewandte Chemie, 2020, 132, 9854-9859.	2.0	18
7	Fast and Simultaneous Determination of Gas Diffusivities and Solubilities in Liquids Employing a Thin-Layer Cell Coupled to a Mass Spectrometer, Part II: Proof of Concept and Experimental Results. Analytical Chemistry, 2018, 90, 14150-14155.	6.5	17
8	Kâ€"O₂ electrochemistry: achieving highly reversible peroxide formation. Physical Chemistry Chemical Physics, 2019, 21, 4286-4294.	2.8	17
9	Fast and Simultaneous Determination of Gas Diffusivities and Solubilities in Liquids Employing a Thin-Layer Cell Coupled to a Mass Spectrometer, Part I: Setup and Methodology. Analytical Chemistry, 2018, 90, 14145-14149.	6.5	9
10	Unraveling the Mechanism of the Solutionâ€Mediated Oxygen Reduction in Metalâ€O 2 Batteries: The Importance of Ion Association. ChemElectroChem, 2019, 6, 6038-6049.	3.4	5
11	Adsorption of Iodide and Bromide on Au(111) Electrodes from Aprotic Electrolytes: Role of the Solvent. ChemElectroChem, 2020, 7, 4782-4793.	3.4	5
12	The Oxygen Reduction Reaction in Ca²⁺â€Containing DMSO: Reaction Mechanism, Electrode Surface Characterization, and Redox Mediation**. ChemSusChem, 2021, 14, 428-440.	6.8	5
13	Insertion of Magnesium into Antimony Layers on Au Electrodes:Kinetic Behaviour. ChemElectroChem, 2021, 8, 3726.	3.4	2
14	Mixed Lithium and Sodium Ion Aprotic DMSO Electrolytes for Oxygen Reduction on Au and Pt Studied by DEMS and RRDE. Electrocatalysis, 2021, 12, 564-578.	3.0	1
15	Towards a generalized ORR mechanism in M2+ containing DMSO â€" Oxygen reduction and evolution in Ca2+ containing DMSO on atomically smooth and rough Pt. ChemElectroChem, 0, , .	3.4	0