Samuel C Perry

List of Publications by Citations

22 papers	503 citations	11 h-index	22 g-index
30 ext. papers	748 ext. citations	7.1 avg, IF	4.43 L-index

#	Paper	IF	Citations
22	Electrochemical synthesis of hydrogen peroxide from water and oxygen. *Nature Reviews Chemistry*, **2019**, 3, 442-458	34.6	235
21	Transient study of the oxygen reduction reaction on reduced Pt and Pt alloys microelectrodes: evidence for the reduction of pre-adsorbed oxygen species linked to dissolved oxygen. *Physical Chemistry Chemical Physics*, **2015**, 17, 30005-12	3.6	28
20	ReviewThe Design, Performance and Continuing Development of Electrochemical Reactors for Clean Electrosynthesis. *Journal of the Electrochemical Society*, **2020**, 167, 155525	3.9	23
19	Recent Advances in Electrochemical Water Oxidation to Produce Hydrogen Peroxide: A Mechanistic Perspective. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 76-91	8.3	22
18	Combined Spectroelectrochemical and Simulated Insights into the Electrogenerated Chemiluminescence Coreactant Mechanism. *Analytical Chemistry*, **2018**, 90, 7377-7382	7.8	21
17	Developments on carbon dioxide reduction: Their promise, achievements, and challenges. *Current Opinion in Electrochemistry*, **2020**, 20, 88-98	7.2	18
16	Effective Hydrogen Peroxide Production from Electrochemical Water Oxidation. *ACS Energy Letters* , **2021**, 6, 2369-2377	20.1	17
15	Localized Detection of d-Serine by using an Enzymatic Amperometric Biosensor and Scanning Electrochemical Microscopy. *ChemElectroChem*, **2017**, 4, 920-926	4.3	15
14	The role of titanium in the initiation of localized corrosion of stainless steel 444. *Npj Materials Degradation*, **2018**, 2,	5.7	15
13	The oxygen reduction reaction (ORR) on reduced metals: evidence for a unique relationship between the coverage of adsorbed oxygen species and adsorption energy. *Physical Chemistry Chemical Physics*, **2016**, 18, 10218-23	3.6	15
12	Polymers with intrinsic microporosity (PIMs) for targeted CO reduction to ethylene. *Chemosphere*, **2020**, 248, 125993	8.4	14
11	Sampled-current voltammetry at microdisk electrodes: kinetic information from pseudo steady state voltammograms. *Analytical Chemistry*, **2014**, 86, 9917-23	7.8	11
10	Recent advances on metal nitride materials as emerging electrochemical sensors: A mini review. *Electrochemistry Communications*, **2020**, 120, 106828	5.1	11
9	Cuvette-Based Electrogenerated Chemiluminescence Detection System for the Assessment of Polymerizable Ruthenium Luminophores. *ChemElectroChem*, **2017**, 4, 1736-1743	4.3	10
8	Development of a Model for Experimental Data Treatment of Diffusion and Activation Limited Polarization Curves for Magnesium and Steel Alloys. *Journal of the Electrochemical Society*, **2017**, 164, E3576-E3582	3.9	10
7	Pourbaix Diagrams as a Simple Route to First Principles Corrosion Simulation. *Journal of the Electrochemical Society*, **2019**, 166, C3186-C3192	3.9	9
6	Enhancement of the Enzymatic Biosensor Response through Targeted Electrode Surface Roughness. *Journal of the Electrochemical Society*, **2018**, 165, G3074-G3079	3.9	9

5	Future perspectives for the advancement of electrochemical hydrogen peroxide production. *Current Opinion in Electrochemistry*, **2021**, 30, 100792	7.2	7
4	The Best of Both Worlds: Combining Ultramicroelectrode and Flow Cell Technologies. *Journal of the Electrochemical Society*, **2018**, 165, H10-H15	3.9	5
3	Simultaneous Electrochemical and Emission Monitoring of Electrogenerated Chemiluminescence through Instrument Hyphenation. *Analytical Chemistry*, **2019**, 91, 2312-2318	7.8	5
2	Hydrophobic thiol coatings to facilitate a triphasic interface for carbon dioxide reduction to ethylene at gas diffusion electrodes. *Faraday Discussions*, **2021**, 230, 375-387	3.6	2
1	Qualitative and Quantitative Methods of Capsaicinoids: a Mini-Review. *Food Analytical Methods*,1	3.4	1