Zoe J Ayres

List of Publications by Citations

10 papers	296 citations	8 h-index	10 g-index
10 ext. papers	356 ext. citations	14.6 avg, IF	3.9 L-index

#	Paper	IF	Citations
10	Boron Doped Diamond: A Designer Electrode Material for the Twenty-First Century. *Annual Review of Analytical Chemistry*, **2018**, 11, 463-484	12.5	108
9	Electrochemical X-ray fluorescence spectroscopy for trace heavy metal analysis: enhancing X-ray fluorescence detection capabilities by four orders of magnitude. *Analytical Chemistry*, **2014**, 86, 4566-72	7.8	58
8	Controlled sp(2) Functionalization of Boron Doped Diamond as a Route for the Fabrication of Robust and Nernstian pH Electrodes. *Analytical Chemistry*, **2016**, 88, 974-80	7.8	35
7	Deconvoluting Surface-Bound Quinone Proton Coupled Electron Transfer in Unbuffered Solutions: Toward a Universal Voltammetric pH Electrode. *Journal of the American Chemical Society*, **2019**, 141, 1035-1044	16.4	25
6	Quinone electrochemistry for the comparative assessment of sp2 surface content of boron doped diamond electrodes. *Electrochemistry Communications*, **2016**, 72, 59-63	5.1	22
5	Surface patterning of polyacrylamide gel using scanning electrochemical cell microscopy (SECCM). *Chemical Communications*, **2016**, 52, 9929-32	5.8	17
4	Impact of chemical vapour deposition plasma inhomogeneity on the spatial variation of sp2 carbon in boron doped diamond electrodes. *Carbon*, **2017**, 121, 434-442	10.4	16
3	Quantitative analysis of trace palladium contamination in solution using electrochemical X-ray fluorescence (EC-XRF). *Analyst, The*, **2016**, 141, 3349-57	5	9
2	The Impact of Research Culture on Mental Health & Diversity in STEM.. *Chemistry - A European Journal*, **2022**, e202102957	4.8	3
1	Five ways team leaders can improve research culture. *Nature Reviews Materials*, **2021**, 1-2	73.3	3