

Zoe J Ayres

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

426
citations

1040018

9
h-index

1372553

10
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10
all docs

10
docs citations

10
times ranked

619
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Boron Doped Diamond: A Designer Electrode Material for the Twenty-First Century. <i>Annual Review of Analytical Chemistry</i> , 2018, 11, 463-484. | 5.4 | 152 |
| 2 | Electrochemical X-ray Fluorescence Spectroscopy for Trace Heavy Metal Analysis: Enhancing X-ray Fluorescence Detection Capabilities by Four Orders of Magnitude. <i>Analytical Chemistry</i> , 2014, 86, 4566-4572. | 6.5 | 80 |
| 3 | Controlled sp^2 Functionalization of Boron Doped Diamond as a Route for the Fabrication of Robust and Nernstian pH Electrodes. <i>Analytical Chemistry</i> , 2016, 88, 974-980. | 6.5 | 49 |
| 4 | Deconvoluting Surface-Bound Quinone Proton Coupled Electron Transfer in Unbuffered Solutions: Toward a Universal Voltammetric pH Electrode. <i>Journal of the American Chemical Society</i> , 2019, 141, 1035-1044. | 13.7 | 38 |
| 5 | Quinone electrochemistry for the comparative assessment of sp^2 surface content of boron doped diamond electrodes. <i>Electrochemistry Communications</i> , 2016, 72, 59-63. | 4.7 | 27 |
| 6 | Surface patterning of polyacrylamide gel using scanning electrochemical cell microscopy (SECCM). <i>Chemical Communications</i> , 2016, 52, 9929-9932. | 4.1 | 26 |
| 7 | Impact of chemical vapour deposition plasma inhomogeneity on the spatial variation of sp^2 carbon in boron doped diamond electrodes. <i>Carbon</i> , 2017, 121, 434-442. | 10.3 | 21 |
| 8 | The Impact of Research Culture on Mental Health & Diversity in STEM. <i>Chemistry - A European Journal</i> , 2022, 28, e202102957. | 3.3 | 18 |
| 9 | Quantitative analysis of trace palladium contamination in solution using electrochemical X-ray fluorescence (EC-XRF). <i>Analyst</i> , 2016, 141, 3349-3357. | 3.5 | 10 |
| 10 | Five ways team leaders can improve research culture. <i>Nature Reviews Materials</i> , 2021, 6, 758-759. | 48.7 | 5 |