

James A Behan

List of Publications by Year in descending order

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papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Untangling Cooperative Effects of Pyridinic and Graphitic Nitrogen Sites at Metal-Free N-Doped Carbon Electrocatalysts for the Oxygen Reduction Reaction. <i>Small</i> , 2019, 15, e1902081. | 10.0 | 57 |
| 2 | Experimental and Computational Study of Dopamine as an Electrochemical Probe of the Surface Nanostructure of Graphitized N-Doped Carbon. <i>Journal of Physical Chemistry C</i> , 2018, 122, 20763-20773. | 3.1 | 33 |
| 3 | Electrocatalysis of N-doped carbons in the oxygen reduction reaction as a function of pH: N-sites and scaffold effects. <i>Carbon</i> , 2019, 148, 224-230. | 10.3 | 32 |
| 4 | Modulation of Protein Fouling and Interfacial Properties at Carbon Surfaces via Immobilization of Glycans Using Aryldiazonium Chemistry. <i>Scientific Reports</i> , 2016, 6, 24840. | 3.3 | 30 |
| 5 | Combined Optoelectronic and Electrochemical Study of Nitrogenated Carbon Electrodes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6596-6604. | 3.1 | 22 |
| 6 | Influence of carbon nanostructure and oxygen moieties on dopamine adsorption and charge transfer kinetics at glassy carbon surfaces. <i>Electrochimica Acta</i> , 2019, 304, 221-230. | 5.2 | 21 |
| 7 | Capacitive storage at nitrogen doped amorphous carbon electrodes: structural and chemical effects of nitrogen incorporation. <i>RSC Advances</i> , 2019, 9, 4063-4071. | 3.6 | 15 |
| 8 | Nanoplasmonic Sensing at the Carbon-Bio Interface: Study of Protein Adsorption at Graphitic and Hydrogenated Carbon Surfaces. <i>Langmuir</i> , 2017, 33, 4198-4206. | 3.5 | 14 |
| 9 | Tailored glycosylated anode surfaces: Addressing the exoelectrogen bacterial community via functional layers for microbial fuel cell applications. <i>Bioelectrochemistry</i> , 2020, 136, 107621. | 4.6 | 14 |
| 10 | Designing Functional Bionanoconstructs for Effective <i>In Vivo</i> Targeting. <i>Bioconjugate Chemistry</i> , 2022, 33, 429-443. | 3.6 | 12 |
| 11 | Determination of surface zeta-potential and isoelectric point of carbon surfaces using tracer particle suspensions. <i>Surface and Interface Analysis</i> , 2017, 49, 781-787. | 1.8 | 11 |
| 12 | Understanding intracellular nanoparticle trafficking fates through spatiotemporally resolved magnetic nanoparticle recovery. <i>Nanoscale Advances</i> , 2021, 3, 2397-2410. | 4.6 | 5 |
| 13 | Spontaneous Aryldiazonium Grafting for the Preparation of Functional Cyclodextrin-Modified Materials. <i>ACS Applied Bio Materials</i> , 2018, 1, 825-832. | 4.6 | 4 |
| 14 | Reactive Plasma N-Doping of Amorphous Carbon Electrodes: Decoupling Disorder and Chemical Effects on Capacitive and Electrocatalytic Performance. <i>Frontiers in Chemistry</i> , 2020, 8, 593932. | 3.6 | 4 |
| 15 | Bioinspired electro-permeable glycans on carbon: Fouling control for sensing in complex matrices. <i>Carbon</i> , 2020, 158, 519-526. | 10.3 | 3 |