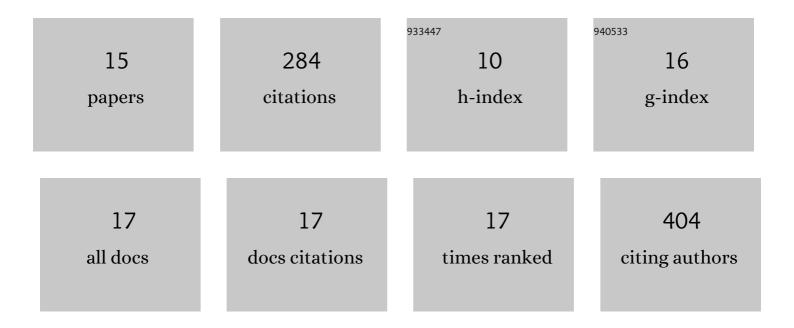
## James A Behan

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/870379/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Untangling Cooperative Effects of Pyridinic and Graphitic Nitrogen Sites at Metalâ€Free Nâ€Doped Carbon Electrocatalysts for the Oxygen Reduction Reaction. Small, 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. Journal of Physical Chemistry C, 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. Carbon, 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. Scientific Reports, 2016, 6, 24840.	3.3	30
5	Combined Optoelectronic and Electrochemical Study of Nitrogenated Carbon Electrodes. Journal of Physical Chemistry C, 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. Electrochimica Acta, 2019, 304, 221-230.	5.2	21
7	Capacitive storage at nitrogen doped amorphous carbon electrodes: structural and chemical effects of nitrogen incorporation. RSC Advances, 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. Langmuir, 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. Bioelectrochemistry, 2020, 136, 107621.	4.6	14
10	Designing Functional Bionanoconstructs for Effective <i>In Vivo</i> Targeting. Bioconjugate Chemistry, 2022, 33, 429-443.	3.6	12
11	Determination of surface <i>ζ</i> â€potential and isoelectric point of carbon surfaces using tracer particle suspensions. Surface and Interface Analysis, 2017, 49, 781-787.	1.8	11
12	Understanding intracellular nanoparticle trafficking fates through spatiotemporally resolved magnetic nanoparticle recovery. Nanoscale Advances, 2021, 3, 2397-2410.	4.6	5
13	Spontaneous Aryldiazonium Grafting for the Preparation of Functional Cyclodextrin-Modified Materials. ACS Applied Bio Materials, 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. Frontiers in Chemistry, 2020, 8, 593932.	3.6	4
15	Bioinspired electro-permeable glycans on carbon: Fouling control for sensing in complex matrices. Carbon, 2020, 158, 519-526.	10.3	3