

Brian P Mcelhenny

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

1,678
citations

1040056

9
h-index

1372567

10
g-index

11
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11
docs citations

11
times ranked

1718
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-noble metal-nitride based electrocatalysts for high-performance alkaline seawater electrolysis. <i>Nature Communications</i> , 2019, 10, 5106.	12.8	742
2	Ultrafast room-temperature synthesis of porous S-doped Ni/Fe (oxy)hydroxide electrodes for oxygen evolution catalysis in seawater splitting. <i>Energy and Environmental Science</i> , 2020, 13, 3439-3446.	30.8	507
3	Hydrogen Generation from Seawater Electrolysis over a Sandwich-like NiCoN Ni _x P NiCoN Microsheet Array Catalyst. <i>ACS Energy Letters</i> , 2020, 5, 2681-2689.	17.4	188
4	A universal synthesis strategy to make metal nitride electrocatalysts for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19728-19732.	10.3	114
5	The effect of carbon quantum dots on the electrocatalytic hydrogen evolution reaction of manganese-nickel phosphide nanosheets. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21488-21495.	10.3	46
6	Computation-Guided Design of LiTaSiO ₅ , a New Lithium Ionic Conductor with Sphene Structure. <i>Advanced Energy Materials</i> , 2019, 9, 1803821.	19.5	35
7	Poly(octadecyl acrylate)-Grafted Multiwalled Carbon Nanotube Composites for Wearable Temperature Sensors. <i>ACS Applied Nano Materials</i> , 2020, 3, 2288-2301.	5.0	16
8	Percolating conductive networks in multiwall carbon nanotube-filled polymeric nanocomposites: towards scalable high-conductivity applications of disordered systems. <i>Nanoscale</i> , 2019, 11, 8565-8578.	5.6	14
9	Functionalized few-layered graphene oxide embedded in an organosiloxane matrix for applications in optical limiting. <i>Chemical Physics Letters</i> , 2019, 714, 149-155.	2.6	10
10	Resolving Nanocomposite Interfaces via Simultaneous Submicrometer Optical-Photothermal Infrared-Raman Microspectroscopy. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001720.	3.7	6