

Manila Ozhukil Valappil

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

453
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933447

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940533

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all docs

17
docs citations

17
times ranked

969
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoporous graphene by quantum dots removal from graphene and its conversion to a potential oxygen reduction electrocatalyst via nitrogen doping. <i>Energy and Environmental Science</i> , 2014, 7, 1059.	30.8	156
2	Spotlighting graphene quantum dots and beyond: Synthesis, properties and sensing applications. <i>Applied Materials Today</i> , 2017, 9, 350-371.	4.3	89
3	A Single-Step Electrochemical Synthesis of Luminescent WS ₂ Quantum Dots. <i>Chemistry - A European Journal</i> , 2017, 23, 9144-9148.	3.3	52
4	Electrochemically chopped WS ₂ quantum dots as an efficient and stable electrocatalyst for water reduction. <i>Catalysis Science and Technology</i> , 2019, 9, 223-231.	4.1	32
5	A single-step, electrochemical synthesis of nitrogen doped blue luminescent phosphorene quantum dots. <i>Chemical Communications</i> , 2018, 54, 11733-11736.	4.1	21
6	Electrochemically Exfoliated Porous WS ₂ Nanosheets: A Potential Electrochemical Sensing Platform for Chlorpromazine Detection. <i>Journal of the Electrochemical Society</i> , 2019, 166, B749-B755.	2.9	18
7	Tungsten disulfide Quantum Dots Based Disposable Paper Based Lab on GenoChip for Specific Meningitis DNA Detection. <i>Journal of the Electrochemical Society</i> , 2020, 167, 107501.	2.9	18
8	Atomic Layers in Electrochemical Biosensing Applications - Graphene and Beyond. <i>Current Organic Chemistry</i> , 2015, 19, 1163-1175.	1.6	13
9	Bismuthene nanosheets produced by ionic liquid assisted grinding exfoliation and their use for oxygen reduction reaction. <i>RSC Advances</i> , 2020, 10, 43585-43591.	3.6	13
10	Role of Structural Distortion in Stabilizing Electrosynthesized Blue-Emitting Phosphorene Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 973-980.	4.6	10
11	Phosphorene Oxide Quantum Dots Decorated ZnO Nanostructure-Based Hydrogen Gas Sensor. <i>IEEE Sensors Journal</i> , 2021, 21, 7283-7290.	4.7	10
12	Phosphorene quantum dots: synthesis, properties and catalytic applications. <i>Nanoscale</i> , 2022, 14, 1037-1053.	5.6	9
13	Electrochemical transformation of black phosphorous to phosphorene quantum dots: effect of nitrogen doping. <i>Materials Research Express</i> , 2020, 7, 014005.	1.6	5
14	Adsorption Kinetics of WS ₂ Quantum Dots onto a Polycrystalline Gold Surface. <i>Langmuir</i> , 2018, 34, 5374-5380.	3.5	3
15	The Influence of Monolayer and Multilayer Diazonium Functionalities on the Electrochemical Oxidation of Nanoporous Carbons. <i>Journal of the Electrochemical Society</i> , 2022, 169, 031512.	2.9	3
16	Corrosion Susceptibility of Mesoporous Carbons: Evidential Understanding of the Effects of Quasi-Passive Oxide Formation. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 541-541.	0.0	1