

# Manila Ozhukil Valappil

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

453  
citations

933447

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h-index

940533

16  
g-index

17  
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17  
docs citations

17  
times ranked

969  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorene quantum dots: synthesis, properties and catalytic applications. <i>Nanoscale</i> , 2022, 14, 1037-1053.	5.6	9
2	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
3	Phosphorene Oxide Quantum Dots Decorated ZnO Nanostructure-Based Hydrogen Gas Sensor. <i>IEEE Sensors Journal</i> , 2021, 21, 7283-7290.	4.7	10
4	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
5	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
6	Electrochemical transformation of black phosphorous to phosphorene quantum dots: effect of nitrogen doping. <i>Materials Research Express</i> , 2020, 7, 014005.	1.6	5
7	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
8	Electrochemically chopped WS <sub>2</sub> quantum dots as an efficient and stable electrocatalyst for water reduction. <i>Catalysis Science and Technology</i> , 2019, 9, 223-231.	4.1	32
9	Electrochemically Exfoliated Porous WS <sub>2</sub> Nanosheets: A Potential Electrochemical Sensing Platform for Chlorpromazine Detection. <i>Journal of the Electrochemical Society</i> , 2019, 166, B749-B755.	2.9	18
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	Adsorption Kinetics of WS <sub>2</sub> Quantum Dots onto a Polycrystalline Gold Surface. <i>Langmuir</i> , 2018, 34, 5374-5380.	3.5	3
12	A single-step, electrochemical synthesis of nitrogen doped blue luminescent phosphorene quantum dots. <i>Chemical Communications</i> , 2018, 54, 11733-11736.	4.1	21
13	A Single-Step Electrochemical Synthesis of Luminescent WS <sub>2</sub> Quantum Dots. <i>Chemistry - A European Journal</i> , 2017, 23, 9144-9148.	3.3	52
14	Spotlighting graphene quantum dots and beyond: Synthesis, properties and sensing applications. <i>Applied Materials Today</i> , 2017, 9, 350-371.	4.3	89
15	Atomic Layers in Electrochemical Biosensing Applications - Graphene and Beyond. <i>Current Organic Chemistry</i> , 2015, 19, 1163-1175.	1.6	13
16	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