

Dhinesh Babu Velusamy

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/12089425/dhinesh-babu-velusamy-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

1,280
citations

17
h-index

23
g-index

23
ext. papers

1,603
ext. citations

14.2
avg, IF

4.45
L-index

#	Paper	IF	Citations
21	Rational Design of Multifunctional Electrocatalyst: An Approach Towards Efficient Overall Water Splitting and Rechargeable Flexible Solid-state Zinc-air Battery. <i>Applied Catalysis B: Environmental</i> , 2021 , 300, 120752	21.8	28
20	An efficient and durable trifunctional electrocatalyst for zinc-air batteries driven overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2021 , 297, 120405	21.8	41
19	High performance, 3D-hierarchical CoS ₂ /CoSe@C nanohybrid as an efficient electrocatalyst for hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2020 , 838, 155537	5.7	15
18	Rational Design of 2D Manganese Phosphate Hydrate Nanosheets as Pseudocapacitive Electrodes. <i>ACS Energy Letters</i> , 2020 , 5, 23-30	20.1	20
17	Electrodeposition of Unary Oxide on a Bimetallic Hydroxide as a Highly Active and Stable Catalyst for Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16392-16400	8.3	24
16	MAPbI ₃ Single Crystals Free from Hole-Trapping Centers for Enhanced Photodetectivity. <i>ACS Energy Letters</i> , 2019 , 4, 2579-2584	20.1	28
15	MXenes for Plasmonic Photodetection. <i>Advanced Materials</i> , 2019 , 31, e1807658	24	90
14	Metal Halide Perovskite and Phosphorus Doped g-C ₃ N ₄ Bulk Heterojunctions for Air-Stable Photodetectors. <i>ACS Energy Letters</i> , 2019 , 4, 2315-2322	20.1	23
13	Anomalous Li Storage Capability in Atomically Thin Two-Dimensional Sheets of Nonlayered MoO ₃ . <i>Nano Letters</i> , 2018 , 18, 1506-1515	11.5	43
12	Giant Photoluminescence Enhancement in CsPbCl ₃ Perovskite Nanocrystals by Simultaneous Dual-Surface Passivation. <i>ACS Energy Letters</i> , 2018 , 3, 2301-2307	20.1	189
11	A Highly Effective, Stable Oxygen Evolution Catalyst Derived from Transition Metal Selenides and Phosphides. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1800135	3.1	16
10	One-Step All-Solution-Based Au@ZnO Core-Shell Nanosphere Active Layers in Nonvolatile ReRAM Devices. <i>Advanced Functional Materials</i> , 2017 , 27, 1604604	15.6	31
9	2D Organic-Inorganic Hybrid Thin Films for Flexible UV-Visible Photodetectors. <i>Advanced Functional Materials</i> , 2017 , 27, 1605554	15.6	87
8	SnSe ₂ 2D Anodes for Advanced Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2016 , 6, 1601188	21.8	192
7	Boron Nitride Nanosheets (BNNs) Chemically Modified by "Grafting-From" Polymerization of Poly(ϵ -caprolactone) for Thermally Conductive Polymer Composites. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 1921-8	4.5	39
6	Non-Volatile ReRAM Devices Based on Self-Assembled Multilayers of Modified Graphene Oxide 2D Nanosheets. <i>Small</i> , 2016 , 12, 6167-6174	11	37
5	Flexible transition metal dichalcogenide nanosheets for band-selective photodetection. <i>Nature Communications</i> , 2015 , 6, 8063	17.4	157

- | | | | |
|---|---|------|-----|
| 4 | High-performance alternating current electroluminescent layers solution blended with mechanically and electrically robust nonradiating polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015 , 53, 1629-1640 | 2.6 | 3 |
| 3 | Thin reduced graphene oxide interlayer with a conjugated block copolymer for high performance non-volatile ferroelectric polymer memory. <i>Organic Electronics</i> , 2014 , 15, 2719-2727 | 3.5 | 13 |
| 2 | Non-volatile organic memory with sub-millimetre bending radius. <i>Nature Communications</i> , 2014 , 5, 3583 | 17.4 | 182 |
| 1 | High throughput modification of chemically reduced graphene oxides by a conjugated block copolymer in non-polar medium. <i>Journal of Materials Chemistry</i> , 2012 , 22, 25183 | | 22 |