

Dhinesh Babu Velusamy

List of Publications by Citations

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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	SnSe ₂ 2D Anodes for Advanced Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2016 , 6, 1601188	21.8	192
20	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
19	Non-volatile organic memory with sub-millimetre bending radius. <i>Nature Communications</i> , 2014 , 5, 3583	17.4	182
18	Flexible transition metal dichalcogenide nanosheets for band-selective photodetection. <i>Nature Communications</i> , 2015 , 6, 8063	17.4	157
17	MXenes for Plasmonic Photodetection. <i>Advanced Materials</i> , 2019 , 31, e1807658	24	90
16	2D Organic-Inorganic Hybrid Thin Films for Flexible UV-Visible Photodetectors. <i>Advanced Functional Materials</i> , 2017 , 27, 1605554	15.6	87
15	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
14	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
13	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
12	Non-Volatile ReRAM Devices Based on Self-Assembled Multilayers of Modified Graphene Oxide 2D Nanosheets. <i>Small</i> , 2016 , 12, 6167-6174	11	37
11	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
10	MAPbI ₃ Single Crystals Free from Hole-Trapping Centers for Enhanced Photodetectivity. <i>ACS Energy Letters</i> , 2019 , 4, 2579-2584	20.1	28
9	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
8	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
7	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
6	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
5	Rational Design of 2D Manganese Phosphate Hydrate Nanosheets as Pseudocapacitive Electrodes. <i>ACS Energy Letters</i> , 2020 , 5, 23-30	20.1	20

4	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
3	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
2	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
1	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