

# Amar M Patil

## List of Publications by Year in descending order

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18  
papers

883  
citations

567281

15  
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839539

18  
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18  
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18  
docs citations

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times ranked

1002  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature dependent surface morphological modifications of hexagonal WO <sub>3</sub> thin films for high performance supercapacitor application. <i>Electrochimica Acta</i> , 2017, 224, 397-404.	5.2	102
2	An innovative concept of use of redox-active electrolyte in asymmetric capacitor based on MWCNTs/MnO <sub>2</sub> and Fe <sub>2</sub> O <sub>3</sub> thin films. <i>Scientific Reports</i> , 2016, 6, 39205.	3.3	89
3	Flexible Asymmetric Solid-State Supercapacitors by Highly Efficient 3D Nanostructured $\gamma$ -MnO <sub>2</sub> and h-CuS Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 16636-16649.	8.0	74
4	Fabrication of three-dimensionally heterostructured rGO/WO <sub>3</sub> ·0.5H <sub>2</sub> O@Cu <sub>2</sub> S electrodes for high-energy solid-state pouch-type asymmetric supercapacitor. <i>Chemical Engineering Journal</i> , 2021, 403, 126411.	12.7	70
5	Biomass-Derived N-Doped Carbon for Efficient Electrocatalytic CO <sub>2</sub> Reduction to CO and Zn-CO <sub>2</sub> Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 3738-3747.	8.0	70
6	Fabrication of a High-Energy Flexible All-Solid-State Supercapacitor Using Pseudocapacitive 2D-Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> -MXene and Battery-Type Reduced Graphene Oxide/Nickel-Cobalt Bimetal Oxide Electrode Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 52749-52762.	8.0	66
7	Two-dimensional MXenes for electrochemical energy storage applications. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1105-1149.	10.3	63
8	Facile synthesis of self-assembled WO <sub>3</sub> nanorods for high-performance electrochemical capacitor. <i>Journal of Alloys and Compounds</i> , 2019, 770, 1130-1137.	5.5	61
9	Single-step hydrothermal synthesis of WO <sub>3</sub> -MnO <sub>2</sub> composite as an active material for all-solid-state flexible asymmetric supercapacitor. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 2869-2880.	7.1	60
10	High Performance All-Solid-State Asymmetric Supercapacitor Device Based on 3D Nanospheres of $\gamma$ -MnO <sub>2</sub> and Nanoflowers of O-SnS. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 787-802.	6.7	53
11	Bilateral growth of monoclinic WO <sub>3</sub> and 2D Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> on 3D free-standing hollow graphene foam for all-solid-state supercapacitor. <i>Chemical Engineering Journal</i> , 2021, 421, 127883.	12.7	36
12	New design of all-solid state asymmetric flexible supercapacitor with high energy storage and long term cycling stability using m-CuO/FSS and h-CuS/FSS electrodes. <i>Electrochimica Acta</i> , 2019, 307, 30-42.	5.2	31
13	Facile synthesis of Cu <sub>2</sub> SnS <sub>3</sub> thin films grown by SILAR method: effect of film thickness. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 7912-7921.	2.2	29
14	2D-on-2D core-shell Co <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> stacked micropetals@Co <sub>2</sub> Mo <sub>3</sub> O <sub>8</sub> nanosheets and binder-free 2D CNT-Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> -MXene electrodes for high-energy solid-state flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26135-26148.	10.3	22
15	Coral reef-like MoS <sub>2</sub> microspheres with 1T/2H phase as high-performance anode material for sodium ion batteries. <i>Journal of Materials Science</i> , 2020, 55, 14389-14400.	3.7	16
16	Development of amorphous Fe-doped nickel-cobalt phosphate (Fe <sub>x</sub> NiCo(PO <sub>4</sub> ) <sub>2</sub> ) nanostructure for enhanced performance of solid-state asymmetric supercapacitors. <i>International Journal of Energy Research</i> , 2022, 46, 12039-12056.	4.5	15
17	Construction of hierarchical nickel cobalt sulfide@manganese oxide nanoarrays@nanosheets core-shell electrodes for high-performance electrochemical asymmetric supercapacitor. <i>International Journal of Energy Research</i> , 2022, 46, 5250-5259.	4.5	14
18	Redox-ambitious route to boost energy and capacity retention of pouch type asymmetric solid-state supercapacitor fabricated with graphene oxide-based battery-type electrodes. <i>Applied Materials Today</i> , 2020, 19, 100563.	4.3	12