

# Binson Babu

## List of Publications by Citations

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22  
papers

542  
citations

12  
h-index

23  
g-index

24  
ext. papers

719  
ext. citations

7.1  
avg, IF

4.65  
L-index

#	Paper	IF	Citations
22	TiNb <sub>2</sub> O <sub>7</sub> /Graphene hybrid material as high performance anode for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 176, 285-292	6.7	85
21	High performance sodium-ion hybrid capacitor based on Na <sub>2</sub> Ti <sub>2</sub> O <sub>4</sub> (OH) <sub>2</sub> nanostructures. <i>Journal of Power Sources</i> , <b>2017</b> , 353, 85-94	8.9	73
20	Ti <sup>3+</sup> Induced Brown TiO <sub>2</sub> Nanotubes for High Performance Sodium-Ion Hybrid Capacitors. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 5401-5412	8.3	56
19	Nb <sub>2</sub> O <sub>5</sub> /graphene nanocomposites for electrochemical energy storage. <i>RSC Advances</i> , <b>2015</b> , 5, 59997-60004	6.7	54
18	Li-ion capacitor based on activated rice husk derived porous carbon with improved electrochemical performance. <i>Electrochimica Acta</i> , <b>2016</b> , 211, 289-296	6.7	52
17	Fast Charging Materials for High Power Applications. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2001128	21.8	48
16	Nanostructured NaTiO for Hybrid Sodium-Ion Capacitors with Excellent Rate Capability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 437-447	9.5	41
15	Studies on kinetics and diffusion characteristics of lithium ions in TiNb <sub>2</sub> O <sub>7</sub> . <i>Electrochimica Acta</i> , <b>2020</b> , 345, 136208	6.7	30
14	Enhanced electrochemical properties of Mn <sub>3</sub> O <sub>4</sub> /graphene nanocomposite as efficient anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 780, 588-596	5.7	25
13	EMnOOH nanorods: Efficient adsorbent for removal of methylene blue from aqueous solutions. <i>Journal of Water Process Engineering</i> , <b>2017</b> , 19, 1-7	6.7	19
12	Exfoliation of Reduced Graphene Oxide with Self-Assembled Gelators for Improved Electrochemical Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 19417-19426	9.5	19
11	Hierarchically Engineered Nanocarbon Florets as Bifunctional Electrode Materials for Adsorptive and Intercalative Energy Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 42669-42677	9.5	12
10	Tin-Containing Graphite for Sodium-Ion Batteries and Hybrid Capacitors. <i>Batteries and Supercaps</i> , <b>2021</b> , 4, 173-182	5.6	12
9	Eco-Efficient Synthesis of Graphene Nanoribbons and Its Application in Electrochemical Supercapacitors. <i>Graphene</i> , <b>2013</b> , 1, 37-44		6
8	Self-discharge of lithium-ion capacitors. <i>Journal of Power Sources Advances</i> , <b>2020</b> , 5, 100026	3.3	5
7	Aging processes in high voltage lithium-ion capacitors containing liquid and gel-polymer electrolytes. <i>Journal of Power Sources</i> , <b>2021</b> , 496, 229797	8.9	2
6	New Diglyme-based Gel Polymer Electrolytes for Na-based Energy Storage Devices. <i>ChemSusChem</i> , <b>2021</b> , 14, 4836-4845	8.3	2

5	Lithium-Ion-Based Electrochemical Energy Storage in a Layered Vanadium Formate Coordination Polymer. <i>ChemPlusChem</i> , <b>2020</b> , 85, 1137-1144	2.8	1
4	EMnOOH-graphene nanocomposite as promising anode material for Li-ion capacitors. <i>Journal of Energy Storage</i> , <b>2021</b> , 47, 103636	7.8	0
3	Engineered Carbon Electrodes for High Performance Capacitive and Hybrid Energy Storage. <i>Journal of Energy Storage</i> , <b>2021</b> , 35, 102340	7.8	0
2	Understanding How Degree of Crystallinity Affects Electrochemical Kinetics of Sodium-Ion in Brown TiO <sub>2</sub> Nanotubes. <i>ChemElectroChem</i> , <b>2021</b> , 8, 2180-2185	4.3	0
1	Understanding How Degree of Crystallinity Affects Electrochemical Kinetics of Sodium-Ion in Brown TiO <sub>2</sub> Nanotubes. <i>ChemElectroChem</i> , <b>2021</b> , 8, 2153-2154	4.3	0