

Binson Babu

List of Publications by Year in Descending Order

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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.

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 | EMnOOH-graphene nanocomposite as promising anode material for Li-ion capacitors. <i>Journal of Energy Storage</i> , 2021 , 47, 103636 | 7.8 | 0 |
| 21 | Engineered Carbon Electrodes for High Performance Capacitive and Hybrid Energy Storage. <i>Journal of Energy Storage</i> , 2021 , 35, 102340 | 7.8 | 0 |
| 20 | Understanding How Degree of Crystallinity Affects Electrochemical Kinetics of Sodium-Ion in Brown TiO ₂ Nanotubes. <i>ChemElectroChem</i> , 2021 , 8, 2180-2185 | 4.3 | 0 |
| 19 | Understanding How Degree of Crystallinity Affects Electrochemical Kinetics of Sodium-Ion in Brown TiO ₂ Nanotubes. <i>ChemElectroChem</i> , 2021 , 8, 2153-2154 | 4.3 | 0 |
| 18 | Aging processes in high voltage lithium-ion capacitors containing liquid and gel-polymer electrolytes. <i>Journal of Power Sources</i> , 2021 , 496, 229797 | 8.9 | 2 |
| 17 | Tin-Containing Graphite for Sodium-Ion Batteries and Hybrid Capacitors. <i>Batteries and Supercaps</i> , 2021 , 4, 173-182 | 5.6 | 12 |
| 16 | New Diglyme-based Gel Polymer Electrolytes for Na-based Energy Storage Devices. <i>ChemSusChem</i> , 2021 , 14, 4836-4845 | 8.3 | 2 |
| 15 | Lithium-Ion-Based Electrochemical Energy Storage in a Layered Vanadium Formate Coordination Polymer. <i>ChemPlusChem</i> , 2020 , 85, 1137-1144 | 2.8 | 1 |
| 14 | Fast Charging Materials for High Power Applications. <i>Advanced Energy Materials</i> , 2020 , 10, 2001128 | 21.8 | 48 |
| 13 | Studies on kinetics and diffusion characteristics of lithium ions in TiNb ₂ O ₇ . <i>Electrochimica Acta</i> , 2020 , 345, 136208 | 6.7 | 30 |
| 12 | Self-discharge of lithium-ion capacitors. <i>Journal of Power Sources Advances</i> , 2020 , 5, 100026 | 3.3 | 5 |
| 11 | Hierarchically Engineered Nanocarbon Florets as Bifunctional Electrode Materials for Adsorptive and Intercalative Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 42669-42677 | 9.5 | 12 |
| 10 | Enhanced electrochemical properties of Mn ₃ O ₄ /graphene nanocomposite as efficient anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2019 , 780, 588-596 | 5.7 | 25 |
| 9 | Ti ³⁺ Induced Brown TiO ₂ Nanotubes for High Performance Sodium-Ion Hybrid Capacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5401-5412 | 8.3 | 56 |
| 8 | Nanostructured NaTiO for Hybrid Sodium-Ion Capacitors with Excellent Rate Capability. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 437-447 | 9.5 | 41 |
| 7 | High performance sodium-ion hybrid capacitor based on Na ₂ Ti ₂ O ₄ (OH) ₂ nanostructures. <i>Journal of Power Sources</i> , 2017 , 353, 85-94 | 8.9 | 73 |
| 6 | EMnOOH nanorods: Efficient adsorbent for removal of methylene blue from aqueous solutions. <i>Journal of Water Process Engineering</i> , 2017 , 19, 1-7 | 6.7 | 19 |

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| 5 | Exfoliation of Reduced Graphene Oxide with Self-Assembled Gelators for Improved Electrochemical Performance. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19417-19426 | 9.5 | 19 |
| 4 | Li-ion capacitor based on activated rice husk derived porous carbon with improved electrochemical performance. <i>Electrochimica Acta</i> , 2016 , 211, 289-296 | 6.7 | 52 |
| 3 | TiNb ₂ O ₇ /Graphene hybrid material as high performance anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015 , 176, 285-292 | 6.7 | 85 |
| 2 | Nb ₂ O ₅ /graphene nanocomposites for electrochemical energy storage. <i>RSC Advances</i> , 2015 , 5, 59997-60004 | 6.7 | 54 |
| 1 | Eco-Efficient Synthesis of Graphene Nanoribbons and Its Application in Electrochemical Supercapacitors. <i>Graphene</i> , 2013 , 1, 37-44 | | 6 |