

Shanthi Murali

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

18,846
citations

394421

19
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

25936
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Graphene and Graphene Oxide: Synthesis, Properties, and Applications. <i>Advanced Materials</i> , 2010, 22, 3906-3924. | 21.0 | 8,959 |
| 2 | Carbon-Based Supercapacitors Produced by Activation of Graphene. <i>Science</i> , 2011, 332, 1537-1541. | 12.6 | 5,528 |
| 3 | Highly Conductive and Porous Activated Reduced Graphene Oxide Films for High-Power Supercapacitors. <i>Nano Letters</i> , 2012, 12, 1806-1812. | 9.1 | 852 |
| 4 | Microwave assisted exfoliation and reduction of graphite oxide for ultracapacitors. <i>Carbon</i> , 2010, 48, 2118-2122. | 10.3 | 775 |
| 5 | Reduction of graphite oxide using alcohols. <i>Journal of Materials Chemistry</i> , 2011, 21, 3443-3447. | 6.7 | 383 |
| 6 | Nitrogen doping of graphene and its effect on quantum capacitance, and a new insight on the enhanced capacitance of N-doped carbon. <i>Energy and Environmental Science</i> , 2012, 5, 9618. | 30.8 | 376 |
| 7 | Incorporation of Manganese Dioxide within Ultraporous Activated Graphene for High-Performance Electrochemical Capacitors. <i>ACS Nano</i> , 2012, 6, 5404-5412. | 14.6 | 345 |
| 8 | Outstanding performance of activated graphene based supercapacitors in ionic liquid electrolyte from ~ 50 to 80°C . <i>Nano Energy</i> , 2013, 2, 403-411. | 16.0 | 314 |
| 9 | Interfacial capacitance of single layer graphene. <i>Energy and Environmental Science</i> , 2011, 4, 4685. | 30.8 | 220 |
| 10 | Volumetric capacitance of compressed activated microwave-expanded graphite oxide (a-MEGO) electrodes. <i>Nano Energy</i> , 2013, 2, 764-768. | 16.0 | 211 |
| 11 | Latex and two-roll mill processing of thermally-exfoliated graphite oxide/natural rubber nanocomposites. <i>Composites Science and Technology</i> , 2013, 74, 166-172. | 7.8 | 156 |
| 12 | Activated graphene as a cathode material for Li-ion hybrid supercapacitors. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3388. | 2.8 | 150 |
| 13 | Simultaneous Transfer and Doping of CVD-Grown Graphene by Fluoropolymer for Transparent Conductive Films on Plastic. <i>ACS Nano</i> , 2012, 6, 1284-1290. | 14.6 | 113 |
| 14 | Microwave-Exfoliated Graphite Oxide/Polycarbonate Composites. <i>Macromolecules</i> , 2011, 44, 6488-6495. | 4.8 | 94 |
| 15 | Preparation of activated graphene and effect of activation parameters on electrochemical capacitance. <i>Carbon</i> , 2012, 50, 3482-3485. | 10.3 | 87 |
| 16 | Mesoporous carbon capsules as electrode materials in electrochemical double layer capacitors. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2652-2655. | 2.8 | 59 |
| 17 | Lyotropic Liquid Crystalline Self-Assembly in Dispersions of Silver Nanowires and Nanoparticles. <i>Langmuir</i> , 2010, 26, 11176-11183. | 3.5 | 39 |
| 18 | Using coin cells for ultracapacitor electrode material testing. <i>Journal of Applied Electrochemistry</i> , 2011, 41, 681-686. | 2.9 | 19 |