

Shanthi Murali

List of Publications by Year in Descending Order

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Version: 2024-04-10

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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.

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|-------------------|--------------------------|-----------------|-----------------|
| 18 papers | 16,420 citations | 18 h-index | 21 g-index |
| 21 ext. papers | 17,657 ext. citations | 14.8 avg, IF | 6.16 L-index |

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 18 | Volumetric capacitance of compressed activated microwave-expanded graphite oxide (a-MEGO) electrodes. <i>Nano Energy</i> , 2013 , 2, 764-768 | 17.1 | 174 |
| 17 | Latex and two-roll mill processing of thermally-exfoliated graphite oxide/natural rubber nanocomposites. <i>Composites Science and Technology</i> , 2013 , 74, 166-172 | 8.6 | 129 |
| 16 | Outstanding performance of activated graphene based supercapacitors in ionic liquid electrolyte from 0 to 80 °C. <i>Nano Energy</i> , 2013 , 2, 403-411 | 17.1 | 276 |
| 15 | Activated graphene as a cathode material for Li-ion hybrid supercapacitors. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 3388-91 | 3.6 | 141 |
| 14 | Simultaneous transfer and doping of CVD-grown graphene by fluoropolymer for transparent conductive films on plastic. <i>ACS Nano</i> , 2012 , 6, 1284-90 | 16.7 | 103 |
| 13 | Highly conductive and porous activated reduced graphene oxide films for high-power supercapacitors. <i>Nano Letters</i> , 2012 , 12, 1806-12 | 11.5 | 782 |
| 12 | 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 | 35.4 | 307 |
| 11 | Incorporation of manganese dioxide within ultraporous activated graphene for high-performance electrochemical capacitors. <i>ACS Nano</i> , 2012 , 6, 5404-12 | 16.7 | 323 |
| 10 | Preparation of activated graphene and effect of activation parameters on electrochemical capacitance. <i>Carbon</i> , 2012 , 50, 3482-3485 | 10.4 | 75 |
| 9 | Mesoporous carbon capsules as electrode materials in electrochemical double layer capacitors. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 2652-5 | 3.6 | 57 |
| 8 | Microwave-Exfoliated Graphite Oxide/Polycarbonate Composites. <i>Macromolecules</i> , 2011 , 44, 6488-6495 | 5.5 | 90 |
| 7 | Interfacial capacitance of single layer graphene. <i>Energy and Environmental Science</i> , 2011 , 4, 4685 | 35.4 | 165 |
| 6 | Carbon-based supercapacitors produced by activation of graphene. <i>Science</i> , 2011 , 332, 1537-41 | 33.3 | 4940 |
| 5 | Reduction of graphite oxide using alcohols. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3443-3447 | | 342 |
| 4 | Using coin cells for ultracapacitor electrode material testing. <i>Journal of Applied Electrochemistry</i> , 2011 , 41, 681-686 | 2.6 | 13 |
| 3 | Lyotropic liquid crystalline self-assembly in dispersions of silver nanowires and nanoparticles. <i>Langmuir</i> , 2010 , 26, 11176-83 | 4 | 36 |
| 2 | Graphene and graphene oxide: synthesis, properties, and applications. <i>Advanced Materials</i> , 2010 , 22, 3906-24 | 24 | 7620 |

- 1 Microwave assisted exfoliation and reduction of graphite oxide for ultracapacitors. *Carbon*, **2010**, 48, 2118-2122 10.4 698