Shanthi Murali

List of Publications by Citations

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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.

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	Graphene and graphene oxide: synthesis, properties, and applications. *Advanced Materials*, **2010**, 22, 3906-24	24	7620
17	Carbon-based supercapacitors produced by activation of graphene. *Science*, **2011**, 332, 1537-41	33.3	4940
16	Highly conductive and porous activated reduced graphene oxide films for high-power supercapacitors. *Nano Letters*, **2012**, 12, 1806-12	11.5	782
15	Microwave assisted exfoliation and reduction of graphite oxide for ultracapacitors. *Carbon*, **2010**, 48, 2118-2122	10.4	698
14	Reduction of graphite oxide using alcohols. *Journal of Materials Chemistry*, **2011**, 21, 3443-3447		342
13	Incorporation of manganese dioxide within ultraporous activated graphene for high-performance electrochemical capacitors. *ACS Nano*, **2012**, 6, 5404-12	16.7	323
12	Nitrogen doping of graphene and its effect on quantum capacitance, and a new insight on the enhanced capacitance of N-doped carbon. *Energy and Environmental Science*, **2012**, 5, 9618	35.4	307
11	Outstanding performance of activated graphene based supercapacitors in ionic liquid electrolyte from −50 to 80 °C. *Nano Energy*, **2013**, 2, 403-411	17.1	276
10	Volumetric capacitance of compressed activated microwave-expanded graphite oxide (a-MEGO) electrodes. *Nano Energy*, **2013**, 2, 764-768	17.1	174
9	Interfacial capacitance of single layer graphene. *Energy and Environmental Science*, **2011**, 4, 4685	35.4	165
8	Activated graphene as a cathode material for Li-ion hybrid supercapacitors. *Physical Chemistry Chemical Physics*, **2012**, 14, 3388-91	3.6	141
7	Latex and two-roll mill processing of thermally-exfoliated graphite oxide/natural rubber nanocomposites. *Composites Science and Technology*, **2013**, 74, 166-172	8.6	129
6	Simultaneous transfer and doping of CVD-grown graphene by fluoropolymer for transparent conductive films on plastic. *ACS Nano*, **2012**, 6, 1284-90	16.7	103
5	Microwave-Exfoliated Graphite Oxide/Polycarbonate Composites. *Macromolecules*, **2011**, 44, 6488-6495	5.5	90
4	Preparation of activated graphene and effect of activation parameters on electrochemical capacitance. *Carbon*, **2012**, 50, 3482-3485	10.4	75
3	Mesoporous carbon capsules as electrode materials in electrochemical double layer capacitors. *Physical Chemistry Chemical Physics*, **2011**, 13, 2652-5	3.6	57
2	Lyotropic liquid crystalline self-assembly in dispersions of silver nanowires and nanoparticles. *Langmuir*, **2010**, 26, 11176-83	4	36

1	Using coin cells for ultracapacitor electrode material testing. *Journal of Applied Electrochemistry*, **2011**, 41, 681-686	2.6	13