

# Shanthi Murali

## List of Publications by Year in descending order

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18  
papers

18,846  
citations

393982

19  
h-index

752256

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.	11.1	8,959
2	Carbon-Based Supercapacitors Produced by Activation of Graphene. <i>Science</i> , 2011, 332, 1537-1541.	6.0	5,528
3	Highly Conductive and Porous Activated Reduced Graphene Oxide Films for High-Power Supercapacitors. <i>Nano Letters</i> , 2012, 12, 1806-1812.	4.5	852
4	Microwave assisted exfoliation and reduction of graphite oxide for ultracapacitors. <i>Carbon</i> , 2010, 48, 2118-2122.	5.4	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.	15.6	376
7	Incorporation of Manganese Dioxide within Ultraporous Activated Graphene for High-Performance Electrochemical Capacitors. <i>ACS Nano</i> , 2012, 6, 5404-5412.	7.3	345
8	Outstanding performance of activated graphene based supercapacitors in ionic liquid electrolyte from $\sim 50$ to $80^\circ\text{C}$ . <i>Nano Energy</i> , 2013, 2, 403-411.	8.2	314
9	Interfacial capacitance of single layer graphene. <i>Energy and Environmental Science</i> , 2011, 4, 4685.	15.6	220
10	Volumetric capacitance of compressed activated microwave-expanded graphite oxide (a-MEGO) electrodes. <i>Nano Energy</i> , 2013, 2, 764-768.	8.2	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.	3.8	156
12	Activated graphene as a cathode material for Li-ion hybrid supercapacitors. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3388.	1.3	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.	7.3	113
14	Microwave-Exfoliated Graphite Oxide/Polycarbonate Composites. <i>Macromolecules</i> , 2011, 44, 6488-6495.	2.2	94
15	Preparation of activated graphene and effect of activation parameters on electrochemical capacitance. <i>Carbon</i> , 2012, 50, 3482-3485.	5.4	87
16	Mesoporous carbon capsules as electrode materials in electrochemical double layer capacitors. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2652-2655.	1.3	59
17	Lyotropic Liquid Crystalline Self-Assembly in Dispersions of Silver Nanowires and Nanoparticles. <i>Langmuir</i> , 2010, 26, 11176-11183.	1.6	39
18	Using coin cells for ultracapacitor electrode material testing. <i>Journal of Applied Electrochemistry</i> , 2011, 41, 681-686.	1.5	19