Hemtej Gullapalli

List of Publications by Year
in descending order

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25 papers	5,258 citations	361296 20 h-index	610775 24 g-index
25 all docs	25 docs citations	25 times ranked	10179 citing authors

#	Article	IF	Citations
1	Synthesis Of Nitrogen-Doped Graphene Films For Lithium Battery Application. ACS Nano, 2010, 4, 6337-6342.	7.3	1,550
2	Wetting transparency of graphene. Nature Materials, 2012, 11, 217-222.	13.3	971
3	A materials perspective on Li-ion batteries at extreme temperatures. Nature Energy, 2017, 2, .	19.8	542
4	Protecting copper from electrochemical degradation by graphene coating. Carbon, 2012, 50, 4040-4045.	5.4	409
5	Flexible Piezoelectric ZnOâ€“Paper Nanocomposite Strain Sensor. Small, 2010, 6, 1641-1646.	5.2	318
6	Tunable Bandgap in Graphene by the Controlled Adsorption of Water Molecules. Small, 2010, 6, 2535-2538.	5.2	279
7	High sensitivity detection of NO2 and NH3 in air using chemical vapor deposition grown graphene. Applied Physics Letters, 2012, 100, .	1.5	216
8	Harvesting Energy from Water Flow over Graphene. Nano Letters, 2011, 11, 3123-3127.	4.5	206
9	Three-Dimensionally Engineered Porous Silicon Electrodes for Li Ion Batteries. Nano Letters, 2012, 12, 6060-6065.	4.5	143
10	Hexagonal Boron Nitrideâ€Based Electrolyte Composite for Liâ€Ion Battery Operation from Room Temperature to 150 Â°C. Advanced Energy Materials, 2016, 6, 1600218.	10.2	112
11	Supercapacitor Operating At 200 Degrees Celsius. Scientific Reports, 2013, 3, 2572.	1.6	89
12	Flexible ZnOâ€“Cellulose Nanocomposite for Multisource Energy Conversion. Small, 2011, 7, 2173-2178.	5.2	73
13	Quasi-Solid Electrolytes for High Temperature Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 25777-25783.	4.0	54
14	High-temperature solid electrolyte interphases (SEI) in graphite electrodes. Journal of Power Sources, 2018, 381, 107-115.	4.0	52
15	Ionic Liquidâ€“Organic Carbonate Electrolyte Blends To Stabilize Silicon Electrodes for Extending Lithium Ion Battery Operability to 100 Â°C. ACS Applied Materials & Interfaces, 2016, 8, 15242-15249.	4.0	51
16	Graphene Growth via Carburization of Stainless Steel and Application in Energy Storage. Small, 2011, 7, 1697-1700.	5.2	43
17	Low-Cost, Large-Area, Facile, and Rapid Fabrication of Aligned ZnO Nanowire Device Arrays. ACS Applied Materials & Interfaces, 2016, 8, 13466-13471.	4.0	41
18	Curious Case of Positive Current Collectors: Corrosion and Passivation at High Temperature. ACS Applied Materials & Interfaces, 2017, 9, 43623-43631.	4.0	25

#	Article	IF	Citations
19	Doping stabilized Li3V2(PO4)3 cathode for high voltage, temperature enduring Li-ion batteries. Journal of Power Sources, 2018, 390, 100-107.	4.0	23
20	Increased mobility for layer-by-layer transferred chemical vapor deposited graphene/boron-nitride thin films. Applied Physics Letters, 2013, 102, .	1.5	21
21	Rate limiting activity of charge transfer during lithiation from ionic liquids. Journal of Power Sources, 2016, 330, 84-91.	4.0	20
22	2D material integrated macroporous electrodes for Li-ion batteries. RSC Advances, 2017, 7, 32737-32742.	1.7	12
23	Local charge transfer doping in suspended graphene nanojunctions. Applied Physics Letters, 2012, 100, 023306.	1.5	3
24	Stacked On-Chip Supercapacitors for Extreme Environments. Journal of Materials Chemistry A, 0, , .	5.2	3
25	Creating supersolvophobic nanocomposite materials. RSC Advances, 2013, 3, 4216.	1.7	2