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Graphene for energy conversion and storage in fuel cells and supercapacitors

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#	Paper	IF	Citations
589	Synthesis of nitrogen-doped porous carbon nanofibers as an efficient electrode material for supercapacitors. <i>ACS Nano</i> , 2012 , 6, 7092-102	16.7	1422
588	Electrophoretic nanotechnology of graphene-carbon nanotube and graphene-polypyrrole nanofiber composites for electrochemical supercapacitors. 2013 , 407, 474-81		61
587	A chemically activated graphene-encapsulated LiFePO ₄ composite for high-performance lithium ion batteries. 2013 , 5, 8647-55		106
586	Preparation and characterization of mixed iron/titanium oxide nanostructure. 2013 , 87, 223-228		7
585	An overview of carbon materials for flexible electrochemical capacitors. 2013 , 5, 8799-820		235
584	Large scale synthesized sulphonated reduced graphene oxide: a high performance material for electrochemical capacitors. 2013 , 3, 14954		15
583	Edge-selectively sulfurized graphene nanoplatelets as efficient metal-free electrocatalysts for oxygen reduction reaction: the electron spin effect. 2013 , 25, 6138-45		465
582	A current-sensor electrochemical device for accurate gas diffusivity measurement in fuel cells. <i>Journal of Power Sources</i> , 2013 , 232, 93-98	8.9	9
581	Hydrothermal synthesis and electrochemical performance of Co ₃ O ₄ /reduced graphene oxide nanosheet composites for supercapacitors. <i>Electrochimica Acta</i> , 2013 , 112, 120-126	6.7	91
580	Facile synthesis of uniform Pt nanoparticles on polydopamine-reduced graphene oxide and their electrochemical sensing. <i>Electrochimica Acta</i> , 2013 , 112, 127-132	6.7	41
579	Synthesis of amino-functionalized graphene as metal-free catalyst and exploration of the roles of various nitrogen states in oxygen reduction reaction. <i>Nano Energy</i> , 2013 , 2, 88-97	17.1	377
578	Dimension-tailored functional graphene structures for energy conversion and storage. 2013 , 5, 3112-26		86
577	One-step electrosynthesis of polypyrrole/graphene oxide composites for microbial fuel cell application. <i>Electrochimica Acta</i> , 2013 , 111, 366-373	6.7	133
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573	3D Nitrogen-doped graphene prepared by pyrolysis of graphene oxide with polypyrrole for electrocatalysis of oxygen reduction reaction. <i>Nano Energy</i> , 2013 , 2, 241-248	17.1	326

572	Hydrothermal synthesis of macroscopic nitrogen-doped graphene hydrogels for ultrafast supercapacitor. <i>Nano Energy</i> , 2013 , 2, 249-256	17.1	469
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570	A nitrogen-doped graphene/carbon nanotube nanocomposite with synergistically enhanced electrochemical activity. 2013 , 25, 3192-6		520
569	The impact of nano-scaled materials on advanced metal-air battery systems. <i>Nano Energy</i> , 2013 , 2, 468-480	17.1	126
568	Three dimensional few layer graphene and carbon nanotube foam architectures for high fidelity supercapacitors. <i>Nano Energy</i> , 2013 , 2, 294-303	17.1	236
567	Spontaneous phase transformation and exfoliation of rectangular single-crystal zinc hydroxy dodecylsulfate nanomembranes. <i>ACS Nano</i> , 2013 , 7, 6007-16	16.7	15
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