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## Graphene-based supercapacitor with an ultrahigh energy density

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2297	Electrochemical behavior of graphene nanosheets in alkylimidazolium tetrafluoroborate ionic liquid electrolytes: influences of organic solvents and the alkyl chains. <b>2011</b> , 21, 13205		54
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2112	Edge-enriched, porous carbon-based, high energy density supercapacitors for hybrid electric vehicles. <b>2012</b> , 5, 535-41	55
2111	Exploring aligned-carbon-nanotubes/polyaniline arrays on household Al as supercapacitors. <b>2012</b> , 5, 888-95	33
2110	On the configuration of supercapacitors for maximizing electrochemical performance. <b>2012</b> , 5, 818-41	359
2109	Carbon-based electrochemical capacitors. <b>2012</b> , 5, 480-99	436
2108	Phosphate-functionalized carbon monoliths from deep eutectic solvents and their use as monolithic electrodes in supercapacitors. <b>2012</b> , 5, 1405-9	81
2107	Trigol based reduction of graphite oxide to graphene with enhanced charge storage activity. <b>2012</b> , 22, 11140	30
2106	Highly stable performance of supercapacitors using microporous carbon derived from phenol-formaldehyde resin. <b>2012</b> , 16, 2661-2666	15
2105	High-performance supercapacitor electrodes based on highly corrugated graphene sheets. <b>2012</b> , 50, 2179-2188	353

2104	Exceptional negative thermal expansion and viscoelastic properties of graphene oxide paper. <b>2012</b> , 50, 2804-2809	87
2103	Carbon black texture evolution during catalytic methane decomposition. <b>2012</b> , 50, 3503-3512	18
2102	Effects of reduction process and carbon nanotube content on the supercapacitive performance of flexible graphene oxide papers. <b>2012</b> , 50, 4239-4251	100
2101	One-step fabrication and capacitive behavior of electrochemical double layer capacitor electrodes using vertically-oriented graphene directly grown on metal. <b>2012</b> , 50, 4379-4387	125
2100	Protic ionic liquid as electrolyte for high-densities electrochemical double layer capacitors with activated carbon electrode material. <b>2012</b> , 64, 110-117	52
2099	Improved electrochemical performance of hierarchical porous carbon/polyaniline composites. <b>2012</b> , 74, 98-104	29
2098	Supercapacitor electrode based on three-dimensional graphene/polyaniline hybrid. <b>2012</b> , 134, 576-580	116
2097	High power density of graphene-based supercapacitors in ionic liquid electrolytes. <b>2012</b> , 68, 475-477	24
2096	Exfoliated graphite nanoplatelets/V <sub>2</sub> O <sub>5</sub> nanotube composite electrodes for supercapacitors. <b>2012</b> , 203, 227-232	99
2095	Enhancement of capacitance performance of flexible carbon nanofiber paper by adding graphene nanosheets. <b>2012</b> , 199, 373-378	140
2094	Influence of nitric acid modification of ordered mesoporous carbon materials on their capacitive performances in different aqueous electrolytes. <b>2012</b> , 204, 220-229	129
2093	Graphene based supercapacitor fabricated by vacuum filtration deposition. <b>2012</b> , 206, 476-482	101
2092	Electrochemical in situ polymerization of reduced graphene oxide/polypyrrole composite with high power density. <b>2012</b> , 208, 138-143	111
2091	In situ synthesis of polyaniline/sodium carboxymethyl cellulose nanorods for high-performance redox supercapacitors. <b>2012</b> , 211, 40-45	83
2090	A solid-state NMR study of C(70): a model molecule for amorphous carbons. <b>2012</b> , 42, 81-6	11
2089	Graphene oxide adsorption enhanced by in situ reduction with sodium hydrosulfite to remove acridine orange from aqueous solution. <b>2012</b> , 203-204, 101-10	146
2088	Reduced graphene oxide-linked stacked polymer forests for high energy-density supercapacitor. <b>2013</b> , 2, 628-635	33
2087	Large scale synthesis of highly crystallized SnO <sub>2</sub> quantum dots at room temperature and their high electrochemical performance. <b>2013</b> , 24, 345602	27

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2085	Synthesis of reduced graphene oxide by an ionothermal method and electrochemical performance. <b>2013</b> , 3, 11807	24
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2082	The edge- and basal-plane-specific electrochemistry of a single-layer graphene sheet. <b>2013</b> , 3, 2248	367
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2080	Supercapacitors based on graphene nanosheets using different non-aqueous electrolytes. <b>2013</b> , 37, 2186	29
2079	Small Particles of Chemically-Reduced Graphene with Improved Electrochemical Capacity. <b>2013</b> , 117, 15496-15504	13
2078	Vehicle Propulsion Systems. <b>2013</b> ,	202
2077	Synthesis and supercapacitor performance studies of N-doped graphene materials using o-phenylenediamine as the double-N precursor. <b>2013</b> , 63, 508-516	165
2076	Activated graphene-based carbons as supercapacitor electrodes with macro- and mesopores. <b>2013</b> , 7, 6899-905	702
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2072	Simulations of peptide-graphene interactions in explicit water. <b>2013</b> , 117, 10691-7	48
2071	High performance supercapacitor electrodes based on deoxygenated graphite oxide by ball milling. <b>2013</b> , 109, 874-880	24
2070	Graphene and Nanostructured Mn <sub>3</sub> O <sub>4</sub> Composites for Supercapacitors. <b>2013</b> , 144, 118-126	19
2069	Asymmetric electrochemical capacitors with high energy and power density based on graphene/CoAl-LDH and activated carbon electrodes. <b>2013</b> , 3, 2483	100

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2066	Nanostructured electrodes for high-performance pseudocapacitors. <b>2013</b> , 52, 1882-9	431
2065	Electrochemical biosensors on platforms of graphene. <b>2013</b> , 49, 9526-39	134
2064	One-step electrodeposition synthesis of silver-nanoparticle-decorated graphene on indium-tin-oxide for enzymeless hydrogen peroxide detection. <b>2013</b> , 62, 405-412	109
2063	From amorphous carbon to carbon nanobelts and vertically oriented graphene nanosheets synthesized by plasma-enhanced chemical vapor deposition. <b>2013</b> , 29, 755-758	3
2062	Design and synthesis of $\text{CoMoO}_4/\text{NiMoO}_4 \cdot x\text{H}_2\text{O}$ bundles with improved electrochemical properties for supercapacitors. <b>2013</b> , 1, 1380-1387	284
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2051	Smart Everything: Will Intelligent Systems Reduce Resource Use?. <b>2013</b> , 38, 311-343	44

2050	Molecular Insights into Carbon Supercapacitors Based on Room-Temperature Ionic Liquids. <b>2013</b> , 4, 3367-3376	112
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2047	Microwave assisted synthesis of MnO <sub>2</sub> on nickel foam-graphene for electrochemical capacitor. <b>2013</b> , 114, 48-53	44
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2030	High-volumetric performance aligned nano-porous microwave exfoliated graphite oxide-based electrochemical capacitors. <b>2013</b> , 25, 4879-85	97
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2022	Two-step electrodeposition construction of flower-on-sheet hierarchical cobalt hydroxide nano-forest for high-capacitance supercapacitors. <b>2013</b> , 42, 15706-15	26
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1972	A novel solvothermal synthesis of Mn <sub>3</sub> O <sub>4</sub> /graphene composites for supercapacitors. <b>2013</b> , 90, 210-218	162
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1561	Graphene-Based Hybrids with Manganese Oxide Polymorphs as Tailored Interfaces for Electrochemical Energy Storage: Synthesis, Processing, and Properties. <b>2015</b> , 44, 62-78	13
1560	Piezoelectric-driven self-charging supercapacitor power cell. <b>2015</b> , 9, 4337-45	170
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1554	Growth of Ultrathin Mesoporous Ni-Mo Oxide Nanosheet Arrays on Ni Foam for High-performance Supercapacitor Electrodes. <b>2015</b> , 176, 1343-1351	35
1553	Facile hydrothermal synthesis of tubular kapok fiber/MnO <sub>2</sub> composites and application in supercapacitors. <b>2015</b> , 5, 64065-64075	24
1552	Synergistic enhancement of electrochemical performance of electrospun TiC/C hybrid nanofibers for supercapacitor application. <b>2015</b> , 176, 402-409	27
1551	Scalable and rapid Far Infrared reduction of graphene oxide for high performance lithium ion batteries. <b>2015</b> , 1, 9-16	30
1550	Design of aqueous redox-enhanced electrochemical capacitors with high specific energies and slow self-discharge. <b>2015</b> , 6, 7818	239
1549	Copper-Assisted Direct Growth of Vertical Graphene Nanosheets on Glass Substrates by Low-Temperature Plasma-Enhanced Chemical Vapour Deposition Process. <b>2015</b> , 10, 1019	48
1548	Three-dimensional Fe <sub>2</sub> O <sub>3</sub> /carbon nanotube sponges as flexible supercapacitor electrodes. <b>2015</b> , 3, 20927-20934	125
1547	Biowaste Sago Bark Based Catalyst Free Carbon Nanospheres: Waste to Wealth Approach. <b>2015</b> , 3, 2247-2253	94

1546	Binder-free three-dimensional high energy density electrodes for ionic-liquid supercapacitors. <b>2015</b> , 51, 13760-3	20
1545	Towards the continuous production of high crystallinity graphene via electrochemical exfoliation with molecular in situ encapsulation. <b>2015</b> , 7, 15362-73	94
1544	Enhanced electrochemical performance of NiO by addition of sulfonated graphene for supercapacitors. <b>2015</b> , 5, 60141-60147	5
1543	Magnetism in graphene oxide induced by epoxy groups. <b>2015</b> , 106, 172402	31
1542	Synthesis of V <sub>2</sub> O <sub>5</sub> ·0.6H <sub>2</sub> O/graphene composite and its application in supercapacitors. <b>2015</b> , 19, 3131-3138	22
1541	Graphene-based protein biomarker detection. <b>2015</b> , 7, 725-42	26
1540	Synthesis of reduced graphene oxide wrapped-copper sulfide hollow spheres as electrode material for supercapacitor. <b>2015</b> , 40, 10158-10167	90
1539	A reduced graphene oxide modified metallic cobalt composite with superior electrochemical performance for supercapacitors. <b>2015</b> , 5, 63553-63560	49
1538	One step microwaved-assisted hydrothermal synthesis of nitrogen doped graphene for high performance of supercapacitor. <b>2015</b> , 355, 419-428	32
1537	Extremely Durable, Flexible Supercapacitors with Greatly Improved Performance at High Temperatures. <b>2015</b> , 9, 8569-77	87
1536	Characterization of MoS <sub>2</sub> -Graphene Composites for High-Performance Coin Cell Supercapacitors. <b>2015</b> , 7, 17388-98	315
1535	Orientated Co <sub>3</sub> O <sub>4</sub> Nanocrystals on MWCNTs as Superior Battery-Type Positive Electrode Material for a Hybrid Capacitor. <b>2015</b> , 162, A1966-A1971	48
1534	Graphene heals thy cracks. <b>2015</b> , 109, 84-89	11
1533	The hybrid nanostructure of MnCo <sub>2</sub> O <sub>4.5</sub> nanoneedle/carbon aerogel for symmetric supercapacitors with high energy density. <b>2015</b> , 7, 14401-12	76
1532	Self-assembled fullerene additives for boosting the capacity of activated carbon electrodes in supercapacitors. <b>2015</b> , 5, 63834-63838	9
1531	Co <sub>3</sub> O <sub>4</sub> /nitrogen-doped graphene/carbon nanotubes: An innovative ternary composite with enhanced electrochemical performance. <b>2015</b> , 647, 873-879	37
1530	Water-dispersible graphene/polyaniline composites for flexible micro-supercapacitors with high energy densities. <b>2015</b> , 16, 470-478	134
1529	Polyanthraquinone-based nanostructured electrode material capable of high-performance pseudocapacitive energy storage in aprotic electrolyte. <b>2015</b> , 15, 654-661	54

1528	Plasma oxidation of electrospun carbon nanofibers as supercapacitor electrodes. <b>2015</b> , 5, 38868-38872	29
1527	Insight into the mechanism of the thermal reduction of graphite oxide: deuterium-labeled graphite oxide is the key. <b>2015</b> , 9, 5478-85	39
1526	Low cost facile synthesis of large-area cobalt hydroxide nanorods with remarkable pseudocapacitance. <b>2015</b> , 7, 9147-56	36
1525	Influence of imidazolium-based ionic liquid electrolytes on the performance of nano-structured MnO <sub>2</sub> hollow spheres as electrochemical supercapacitor. <b>2015</b> , 5, 41617-41626	45
1524	Density Functional Theory Calculations for the Quantum Capacitance Performance of Graphene-Based Electrode Material. <b>2015</b> , 119, 6464-6470	97
1523	Face-to-face self-assembly graphene/MnO <sub>2</sub> nanocomposites for supercapacitor applications using electrochemically exfoliated graphene. <b>2015</b> , 167, 412-420	48
1522	Fabrication of polyaniline/urchin-like mesoporous TiO <sub>2</sub> spheres nanocomposite and its application in supercapacitors. <b>2015</b> , 163, 232-237	23
1521	High-performance asymmetric full-cell supercapacitors based on CoNi <sub>2</sub> S <sub>4</sub> nanoparticles and activated carbon. <b>2015</b> , 19, 2177-2188	24
1520	Graphene-wrapped nitrogen-containing carbon spheres for electrochemical supercapacitor application. <b>2015</b> , 113, 545-550	16
1519	Graphene-based nitrogen self-doped hierarchical porous carbon aerogels derived from chitosan for high performance supercapacitors. <b>2015</b> , 15, 9-23	420
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1517	Holey graphene nanosheets with surface functional groups as high-performance supercapacitors in ionic-liquid electrolyte. <b>2015</b> , 8, 1779-86	37
1516	Self-assembly of monodisperse starburst carbon spheres into hierarchically organized nanostructured supercapacitor electrodes. <b>2015</b> , 7, 9128-33	30
1515	Effect of different reduction methods on electrochemical cycling stability of reduced graphene oxide in supercapacitors. <b>2015</b> , 45, 57-65	4
1514	Porous conducting polymer and reduced graphene oxide: preparation, characterization and electrochemical performance. <b>2015</b> , 26, 1668-1677	12
1513	Graphene-based materials for flexible supercapacitors. <b>2015</b> , 44, 3639-65	851
1512	Role of anions on structure and pseudocapacitive performance of metal double hydroxides decorated with nitrogen-doped graphene. <b>2015</b> , 58, 114-125	22
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1505	Chemical vapor deposition and atomic layer deposition for advanced lithium ion batteries and supercapacitors. <b>2015</b> , 8, 1889-1904	185
1504	A Review for Aqueous Electrochemical Supercapacitors. <b>2015</b> , 3,	109
1503	Hierarchical Porous Graphene Carbon-Based Supercapacitors. <b>2015</b> , 27, 2107-2113	172
1502	Graphene/polyaniline woven fabric composite films as flexible supercapacitor electrodes. <b>2015</b> , 7, 7318-22	154
1501	Mesoporous activated carbon spheres derived from resorcinol-formaldehyde resin with high performance for supercapacitors. <b>2015</b> , 19, 1783-1791	78
1500	Interplay between enhanced charge storage and charge transfer mechanism in Cu doped PANI: The role of surface morphology. <b>2015</b> , 745, 88-97	11
1499	Tubular TiC fibre nanostructures as supercapacitor electrode materials with stable cycling life and wide-temperature performance. <b>2015</b> , 8, 1559-1568	188
1498	High-performance asymmetric supercapacitor based on Co <sub>9</sub> S <sub>8</sub> /3D graphene composite and graphene hydrogel. <b>2015</b> , 279, 241-249	67
1497	Specific Capacitance and Cyclic Stability of Graphene Based Metal/Metal Oxide Nanocomposites: A Review. <b>2015</b> , 31, 699-707	46
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1493	Highly Flexible Energy Storage Electrodes Based on In Situ Synthesis of Graphene/Polyselenophene Nanohybrid Materials. <b>2015</b> , 1727, 13	

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1487	Comparative Study of Potential Applications of Graphene, MoS <sub>2</sub> , and Other Two-Dimensional Materials in Energy Devices, Sensors, and Related Areas. <b>2015</b> , 7, 7809-32	311
1486	Significantly enhanced robustness and electrochemical performance of flexible carbon nanotube-based supercapacitors by electrodepositing polypyrrole. <b>2015</b> , 287, 68-74	122
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1479	Supercapatteries with Hybrids of Redox Active Polymers and Nanostructured Carbons. <b>2015</b> , 179-210	5
1478	Supercapacitors Based on Graphene and Related Materials. <b>2015</b> , 227-252	2
1477	Rechargeable lithium batteries for energy storage in smart grids. <b>2015</b> , 319-351	8
1476	Direct preparation and processing of graphene/RuO <sub>2</sub> nanocomposite electrodes for high-performance capacitive energy storage. <b>2015</b> , 18, 57-70	145
1475	Crumpled Nitrogen-Doped Graphene for Supercapacitors with High Gravimetric and Volumetric Performances. <b>2015</b> , 7, 22284-91	67

1474	High performance solid-state supercapacitors based on compressed graphene foam. <b>2015</b> , 5, 84836-84839	14
1473	Nitrogen-doped carbon-coated molybdenum disulfide nanosheets for high-performance supercapacitor. <b>2015</b> , 209, 528-533	15
1472	Ultrahigh volumetric capacitance and cyclic stability of fluorine and nitrogen co-doped carbon microspheres. <b>2015</b> , 6, 8503	438
1471	Alternating Voltage Introduced NiCo Double Hydroxide Layered Nanoflakes for an Asymmetric Supercapacitor. <b>2015</b> , 7, 22741-4	99
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1468	Paper-based devices for energy applications. <b>2015</b> , 52, 1453-1472	79
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1462	Facile Synthesis of Co <sub>3</sub> O <sub>4</sub> /Nitrogen-Doped Graphene Composite and their Electrochemical Performances. <b>2015</b> , 1120-1121, 347-351	
1461	Hierarchical CuCo <sub>2</sub> O <sub>4</sub> nanowire@NiCo <sub>2</sub> O <sub>4</sub> nanosheet core/shell arrays for high-performance supercapacitors. <b>2015</b> , 5, 69636-69641	43
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1459	Deoxygenation of graphene oxide using household baking soda as a reducing agent: a green approach. <b>2015</b> , 5, 70461-70472	31
1458	Carbon microtube/graphene hybrid structures for thermal management applications. <b>2015</b> , 3, 18706-18710	16
1457	High-Power Supercapacitive Properties of Graphene Oxide Hybrid Films with Highly Conductive Molybdenum Disulfide Nanosheets. <b>2015</b> , 2, 1938-1946	25



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1454	Controlled Construction of Hierarchical Nanocomposites Consisting of MnO <sub>2</sub> and PEDOT for High-Performance Supercapacitor Applications. <b>2015</b> , 2, 949-957	27
1453	One-pot synthesis of CoNiO <sub>2</sub> single-crystalline nanoparticles as high-performance electrode materials of asymmetric supercapacitors. <b>2015</b> , 17, 1	17
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1447	Ultra-thin V <sub>2</sub> O <sub>5</sub> nanosheet based humidity sensor, photodetector and its enhanced field emission properties. <b>2015</b> , 5, 88796-88804	91
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1445	Facile fabrication of multilayer films of graphene oxide/copper phthalocyanine with high dielectric properties. <b>2015</b> , 5, 88306-88310	10
1444	Influence of Temperature on Supercapacitor Performance. <b>2015</b> , 71-114	2
1443	Co <sub>3</sub> O <sub>4</sub> Nanorods with Self-assembled Nanoparticles in Queue for Supercapacitor. <b>2015</b> , 180, 104-111	66
1442	Advances and prospects of fiber supercapacitors. <b>2015</b> , 3, 20863-20879	92
1441	Electron Transfer and Charge Storage in Thin Films of Nanoparticles. <b>2015</b> , 1-62	2
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1439	High performance supercapacitor under extremely low environmental temperature. <b>2015</b> , 5, 71699-71703	24

1438	Hollow SnO <sub>2</sub> @Co <sub>3</sub> O <sub>4</sub> core-shell spheres encapsulated in three-dimensional graphene foams for high performance supercapacitors and lithium-ion batteries. <b>2015</b> , 298, 83-91	68
1437	Tunable design of layered CuCo <sub>2</sub> O <sub>4</sub> nanosheets@MnO <sub>2</sub> nanoflakes core-shell arrays on Ni foam for high-performance supercapacitors. <b>2015</b> , 3, 21528-21536	108
1436	Functionalization of Defect Sites in Graphene with RuO <sub>2</sub> for High Capacitive Performance. <b>2015</b> , 7, 20513-9	31
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1431	Preparation of graphene aerogel and its electrochemical properties as the electrode materials for supercapacitors. <b>2015</b> ,	
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1428	High Energy Density Aqueous Electrochemical Capacitors with a KI-KOH Electrolyte. <b>2015</b> , 7, 19978-85	61
1427	Modelling and analytical studies on Graphene based supercapacitor comparing with traditional batteries. <b>2015</b> ,	1
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1425	Layered cobalt nickel silicate hollow spheres as a highly-stable supercapacitor material. <b>2015</b> , 153, 63-69	60
1424	Novel performance of ultrathin AlPO <sub>4</sub> coated H <sub>2</sub> Ti <sub>12</sub> O <sub>25</sub> Exceeding Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> in cylindrical hybrid supercapacitor. <b>2015</b> , 273, 839-843	19
1423	Reducing CO <sub>2</sub> to dense nanoporous graphene by Mg/Zn for high power electrochemical capacitors. <b>2015</b> , 11, 600-610	78
1422	Supercapacitor electrode materials: nanostructures from 0 to 3 dimensions. <b>2015</b> , 8, 702-730	1739
1421	Novel tannin-based Si, P co-doped carbon for supercapacitor applications. <b>2015</b> , 275, 835-844	39

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1419	Additive Manufacturing of Graphene/Hydroxyapatite Nanocomposite Structures. <b>2015</b> , 12, 8-17	41
1418	Supercapacitors Performance Evaluation. <b>2015</b> , 5, 1401401	798
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1415	A two-dimensional highly ordered mesoporous carbon/graphene nanocomposite for electrochemical double layer capacitors: effects of electrical and ionic conduction pathways. <b>2015</b> , 3, 2314-2322	43
1414	Thermal conductivity of graphene nanoplatelets filled composites fabricated by solvent-free processing for the excellent filler dispersion and a theoretical approach for the composites containing the geometrized fillers. <b>2015</b> , 69, 219-225	77
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1411	Quaternary ammonium functionalized poly(aryl ether sulfone)s as separators for supercapacitors based on activated carbon electrodes. <b>2015</b> , 475, 562-570	28
1410	Hydrothermal synthesis and tribological properties of FeS <sub>2</sub> (pyrite)/reduced graphene oxide heterojunction. <b>2015</b> , 5, 1417-1423	23
1409	Effect of synthetic methods on electrochemical performances of VOPO <sub>4</sub> ·2H <sub>2</sub> O supercapacitor. <b>2015</b> , 21, 289-294	20
1408	One-step hydrothermal green synthesis of silver nanoparticle-carbon nanotube reduced-graphene oxide composite and its application as hydrogen peroxide sensor. <b>2015</b> , 208, 389-398	145
1407	Transparent flexible stretchable piezoelectric and triboelectric nanogenerators for powering portable electronics. <b>2015</b> , 14, 139-160	166
1406	Electronic and Optoelectronic Materials and Device Innovations. <b>2015</b> , 1049-1092	
1405	Peanut shell hybrid sodium ion capacitor with extreme energy power rivals lithium ion capacitors. <b>2015</b> , 8, 941-955	622
1404	Transition metal doped poly(aniline-co-pyrrole)/multi-walled carbon nanotubes nanocomposite for high performance supercapacitor electrode materials. <b>2015</b> , 625, 64-75	43
1403	Chemical Fabrication and Electrochemical Characterization of Graphene Nanosheets Using a Lithium Battery Platform. <b>2015</b> , 92, 355-359	8

1402	Production of reduced graphene oxide via hydrothermal reduction in an aqueous sulphuric acid suspension and its electrochemical behaviour. <b>2015</b> , 19, 361-380	58
1401	Novel one-pot green synthesis of graphene in aqueous medium under microwave irradiation using a regenerative catalyst and the study of its electrochemical properties. <b>2015</b> , 39, 420-430	27
1400	Composition-dependent electrical and dielectric properties of polyaniline/graphene composites produced by in situ polymerization technique. <b>2015</b> , 36, 445-453	9
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1398	Effect of reducing system on capacitive behavior of reduced graphene oxide film: Application for supercapacitor. <b>2015</b> , 221, 338-344	8
1397	Electrodeposition of Pt Nanoparticles on New Porous Graphitic Carbon Nanostructures Prepared from Biomass for Fuel Cell and Methanol Sensing Applications. <b>2015</b> , 6, 220-228	19
1396	Evaporative assembly of graphene oxide for electric double-layer capacitor electrode application. <b>2015</b> , 270, 192-196	11
1395	High-performance asymmetric pseudocapacitor cell based on cobalt hydroxide/graphene and polypyrrole/graphene electrodes. <b>2015</b> , 275, 298-304	76
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1390	Preparation and electrochemical characteristic of porous NiO supported by sulfonated graphene for supercapacitors. <b>2015</b> , 151, 407-414	56
1389	Photoreduction of graphene oxide enhanced by sacrificial agents. <b>2015</b> , 438, 291-295	9
1388	A facile approach to produce holey graphene and its application in supercapacitors. <b>2015</b> , 81, 347-356	76
1387	2,6-Diaminopyridine-imprinted polymer and its potency to hair-dye assay using graphene/ionic liquid electrochemical sensor. <b>2015</b> , 64, 277-84	21
1386	Stretchable and high-performance supercapacitors with crumpled graphene papers. <b>2014</b> , 4, 6492	189
1385	Exfoliation of titanium oxide powder into nanosheets using hydrothermal reaction and its reassembly into flexible papers for thin-film capacitors. <b>2015</b> , 224, 76-81	7

1384	Tailored graphene systems for unconventional applications in energy conversion and storage devices. <b>2015</b> , 8, 31-54	211
1383	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <b>2015</b> , 7, 4598-810	2015
1382	A Mini Review Over the Applications of Nano-Carbons and Their Composites in Supercapacitors. <b>2016</b> , 9, 4-19	
1381	Investigation of Fumed Silica/Aqueous NaCl Superdielectric Material. <b>2016</b> , 9,	6
1380	Facile Synthesis of MnPO <sub>4</sub> ·H <sub>2</sub> O Nanowire/Graphene Oxide Composite Material and Its Application as Electrode Material for High Performance Supercapacitors. <b>2016</b> , 6, 198	19
1379	Physicochemical properties and supercapacitor behavior of electrochemically synthesized few layered graphene nanosheets. <b>2016</b> , 20, 3415-3428	20
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829	Effect of polymer binders on graphene-based free-standing electrodes for supercapacitors. <b>2018</b> , 267, 213-221	25
828	Electrochemical Performance of Supercapacitor with Stacked Copper Foils Coated with Graphene Nanoplatelets. <b>2018</b> , 8, 3093	37
827	Enhanced electrochemical performance of nitrogen-doped graphene and poly[Ni(salen)] composite electrodes for supercapacitors. <b>2018</b> , 24, 3143-3153	5

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825	A comparative study of activated carbon aerogel and commercial activated carbons as electrode materials for organic electric double-layer capacitors. <b>2018</b> , 132, 503-511	33
824	Mesoporous tubular graphene electrode for high performance supercapacitor. <b>2018</b> , 29, 599-602	16
823	One-step electrosynthesis of MnO <sub>2</sub> /rGO nanocomposite and its enhanced electrochemical performance. <b>2018</b> , 44, 7799-7807	58
822	A novel adenine-based metal organic framework derived nitrogen-doped nanoporous carbon for flexible solid-state supercapacitor. <b>2018</b> , 5, 171028	6
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819	Freestanding flexible polymer films based on bridging of two EDOT units with functionalized chains for use in long-term-stable supercapacitors. <b>2018</b> , 42, 4824-4834	2
818	Nano-micro carbon spheres anchored on porous carbon derived from dual-biomass as high rate performance supercapacitor electrodes. <b>2018</b> , 381, 116-126	115
817	Simultaneous determination of isoproterenol, acetaminophen, folic acid, propranolol and caffeine using a sensor platform based on carbon black, graphene oxide, copper nanoparticles and PEDOT:PSS. <b>2018</b> , 183, 329-338	60
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809	Quantum Capacitance of Silicene-Based Electrodes from First-Principles Calculations. <b>2018</b> , 122, 1903-1912	18

808	High Volumetric Capacitance, Ultralong Life Supercapacitors Enabled by Waxberry-Derived Hierarchical Porous Carbon Materials. <b>2018</b> , 8, 1702695	159
807	Quantum Capacitance Estimations of Pyrrolic-Rich Graphene for Supercapacitor Electrodes. <b>2018</b> , 17, 205-211	10
806	Fabrication and investigation of high performance CNT-incorporated tin-oxide supercapacitor. <b>2018</b> , 29, 7468-7479	3
805	Scalable 2D Hierarchical Porous Carbon Nanosheets for Flexible Supercapacitors with Ultrahigh Energy Density. <b>2018</b> , 30, 1706054	330
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803	Room Temperature Synthesis of Graphene Nanosheets. <b>2018</b> , 53, 1700250	8
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801	Faraday-like Screening by Two-Dimensional Nanomaterials: A Scale-Dependent Tunable Effect. <b>2019</b> , 10, 2044-2050	21
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799	Preparation and characterization of one-pot PANi/Fe/Fe <sub>3</sub> O <sub>4</sub> /Fe <sub>2</sub> O <sub>3</sub> nanocomposite and investigation of its microwave, magnetic and optical performance. <b>2019</b> , 252, 40-49	36
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794	. <b>2019</b> ,	2
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792	Air-Stable Symmetric Ambipolar Field-Effect Transistors Based on Reduced Graphene Oxide-OTS Self-Assembled Monolayer Heterostructure. <b>2019</b> , 5, 472-478	2
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787	A Broad Family of Carbon Nanomaterials: Classification, Properties, Synthesis, and Emerging Applications. <b>2019</b> , 1-40	9
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7 <sup>18</sup>	In situ growth of redox-active iron-centered nanoparticles on graphene sheets for specific capacitance enhancement. <b>2019</b> , 12, 3883-3889	24
7 <sup>17</sup>	Recycling Graphene from Supercapacitor Electrodes as Reinforcing Filler for Epoxy Resins. <b>2019</b> , 10, 215-221	7
7 <sup>16</sup>	One-step approach for fabrication of 3D porous carbon/graphene composites as supercapacitor electrode materials. <b>2019</b> , 330, 228-239	21
7 <sup>15</sup>	Lanthanum oxide nanoparticles immobilized reduced graphene oxide polymer brush nanohybrid for environmental vitiation of organic dyes. <b>2020</b> , 13, 1367-1376	9
7 <sup>14</sup>	Nitrogen and sulfur co-doped graphene aerogel with hierarchically porous structure for high-performance supercapacitors. <b>2020</b> , 5, 69-75	42
7 <sup>13</sup>	Improved electrochemical performance of graphene oxide supported vanadomanganate (IV) nanohybrid electrode material for supercapacitors. <b>2020</b> , 46, 3028-3035	7
7 <sup>12</sup>	Graphene triggered enhancement in visible-light active photocatalysis as well as in energy storage capacity of (CFO) <sub>1-x</sub> (GNPs) <sub>x</sub> nanocomposites. <b>2020</b> , 46, 2630-2639	4
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7 <sup>08</sup>	Heteroatoms in situ-doped hierarchical porous hollow-activated carbons for high-performance supercapacitor. <b>2020</b> , 30, 331-344	7
7 <sup>07</sup>	Three dimensional graphene/carbonized metal-organic frameworks based high-performance supercapacitor. <b>2020</b> , 157, 55-63	35
7 <sup>06</sup>	Overview on nanocarbon sponges in polymeric nanocomposite. <b>2020</b> , 24, 309-320	6
7 <sup>05</sup>	Green synthesis of reduced graphene oxide as high-performance electrode materials for supercapacitors. <b>2020</b> , 26, 415-422	9
7 <sup>04</sup>	Recent progress in the synthesis of graphene/CNT composites and the energy-related applications. <b>2020</b> , 55, 16-34	32
7 <sup>03</sup>	Strategies for Development of High-Performance Graphene-Based Supercapacitor. <b>2020</b> , 3, 2-10	
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452	Electric Double Layer Capacitors Based on Porous Three-Dimensional Graphene Materials for Energy Storage. <b>2021</b> , 50, 3043-3063	3
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445	Cost-effective, environmentally-sustainable and scale-up synthesis of vertically oriented graphenes from waste oil and its supercapacitor applications. <b>2021</b> , 3, 31-39	0
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