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**A three-dimensional carbon nanotube/graphene sandwich and its application as electrode in supercapacitors**

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1127	Direct patterning on reduced graphene oxide nanosheets using femtosecond laser pulses. <b>2011</b> , 13, 085601		14
1126	Highly conductive and flexible mesoporous graphitic films prepared by graphitizing the composites of graphene oxide and nanodiamond. <b>2011</b> , 21, 7154		78
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949	One-dimensional/two-dimensional hybridization for self-supported binder-free silicon-based lithium ion battery anodes. <b>2013</b> , 5, 1470-4	76

948	Fabrication and Characterization of Three-Dimensional Macroscopic All-Carbon Scaffolds. <b>2013</b> , 53, 90-100		69
947	Process dependent graphene/MnO <sub>2</sub> composites for supercapacitors. <b>2013</b> , 230, 482-490		52
946	p-Xylylenediamine intercalation of graphene oxide for the production of stitched nanostructures with a tailored interlayer spacing. <b>2013</b> , 59, 100-108		38
945	Textile electrodes woven by carbon nanotube-graphene hybrid fibers for flexible electrochemical capacitors. <b>2013</b> , 5, 3428-34		274
944	Simultaneous formation of ultrahigh surface area and three-dimensional hierarchical porous graphene-like networks for fast and highly stable supercapacitors. <i>Advanced Materials</i> , <b>2013</b> , 25, 2474-80 <sup>24</sup>		594
943	Adaptable silicon-carbon nanocables sandwiched between reduced graphene oxide sheets as lithium ion battery anodes. <b>2013</b> , 7, 1437-45		359
942	Hybrids of carbon nanotubes and graphene/graphene oxide. <b>2013</b> , 17, 31-37		55
941	Carbon nanotubes in new materials. <b>2013</b> , 82, 27-47		37
940	Preparation and capacitance of graphene/multiwall carbon nanotubes/MnO <sub>2</sub> hybrid material for high-performance asymmetrical electrochemical capacitor. <i>Electrochimica Acta</i> , <b>2013</b> , 89, 191-198	6.7	98
939	Graphene Materials for Electrochemical Capacitors. <b>2013</b> , 4, 1244-53		249
938	Carbon nanotubes bridged with graphene nanoribbons and their use in high-efficiency dye-sensitized solar cells. <b>2013</b> , 52, 3996-9		177
937	Fe <sup>III</sup> doped carbon nanotube/graphene composite: facile synthesis and superior electrocatalytic activity. <b>2013</b> , 1, 3302		106
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933	Intertwined nanocarbon and manganese oxide hybrid foam for high-energy supercapacitors. <b>2013</b> , 9, 3714-21		51
932	A nitrogen-doped graphene/carbon nanotube nanocomposite with synergistically enhanced electrochemical activity. <i>Advanced Materials</i> , <b>2013</b> , 25, 3192-6	24	520
931	Water-assisted growth of graphene on carbon nanotubes by the chemical vapor deposition method. <b>2013</b> , 5, 4422-6		20

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929	Graphene/MnO <sub>2</sub> -based composites reduced via different chemical agents for supercapacitors. <b>2013</b> , 239, 225-233		141
928	Synchronous chemical vapor deposition of large-area hybrid graphene-carbon nanotube architectures. <b>2013</b> , 28, 958-968		14
927	Selected Properties of Graphene and Carbon Nanotubes. <b>2013</b> , 119-144		
926	Three-dimensional hierarchical GeSe <sub>2</sub> nanostructures for high performance flexible all-solid-state supercapacitors. <i>Advanced Materials</i> , <b>2013</b> , 25, 1479-86	24	209
925	Aqueous dispersions of reduced graphene oxide and multi wall carbon nanotubes for enhanced glucose oxidase bioelectrode performance. <b>2013</b> , 61, 467-475		33
924	Thermal chemical vapor deposition of layered aligned carbon-nanotube films separated by graphite layers. <b>2013</b> , 210, 1128-1132		2
923	Carbonaceous electrode materials for supercapacitors. <i>Advanced Materials</i> , <b>2013</b> , 25, 3899-904	24	513
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921	Anti-solvent derived non-stacked reduced graphene oxide for high performance supercapacitors. <i>Advanced Materials</i> , <b>2013</b> , 25, 4437-44	24	168
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919	Graphene-based Li-ion hybrid supercapacitors with ultrahigh performance. <b>2013</b> , 6, 581-592		174
918	Cobalt pyrophosphate nano/microstructures as promising electrode materials of supercapacitor. <b>2013</b> , 17, 1383-1391		45
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915	Simple synthesis of layered CeO <sub>2</sub> -graphene hybrid and their superior catalytic performance in dehydrogenation of ethylbenzene. <b>2013</b> , 274, 131-137		30
914	Three-dimensional network of graphene grown with carbon nanotubes as carbon support for fuel cells. <b>2013</b> , 53, 282-287		44
913	Thermal transport in 3D pillared SWCNT-graphene nanostructures. <b>2013</b> , 28, 940-951		30

912	Graphen-analoge anorganische Schichtmaterialien. <b>2013</b> , 125, 13400-13424	40	
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910	Thermostability, Photoluminescence, and Electrical Properties of Reduced Graphene Oxide/Carbon Nanotube Hybrid Materials. <b>2013</b> , 3, 28-37	28	
909	Prevention of Graphene Restacking for Performance Boost of Supercapacitors: A Review. <b>2013</b> , 3, 163-190	78	
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904	All-Carbon Electrode Consisting of Carbon Nanotubes on Graphite Foil for Flexible Electrochemical Applications. <b>2014</b> , 7, 1975-1983	12	
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775	Flexible all-solid-state supercapacitors based on graphene/carbon black nanoparticle film electrodes and cross-linked poly(vinyl alcohol)/H <sub>2</sub> SO <sub>4</sub> porous gel electrolytes. <b>2014</b> , 266, 488-495		100
774	Electro-enhanced removal of copper ions from aqueous solutions by capacitive deionization. <b>2014</b> , 278, 8-15		110
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772	Nanostructured Ternary Nanocomposite of rGO/CNTs/MnO <sub>2</sub> for High-Rate Supercapacitors. <b>2014</b> , 2, 70-74		91
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763	Mechanical behavior of carbon nanotube and graphene junction as a building block for 3D carbon nanostructures. <b>2015</b> , 5, 117143		8
762	Optimally conductive networks in randomly dispersed CNT:graphene hybrids. <i>Scientific Reports</i> , <b>2015</b> , 5, 16568	4-9	29
761	Carbon-Based Materials for Lithium-Ion Batteries, Electrochemical Capacitors, and Their Hybrid Devices. <b>2015</b> , 8, 2284-311		181
760	Nitrogen-Doped Nanoporous Carbon/Graphene Nano-Sandwiches: Synthesis and Application for Efficient Oxygen Reduction. <b>2015</b> , 25, 5768-5777		328
759	Reduced Graphene Oxide/Carbon Nanotube/Gold Nanoparticles Nanocomposite Functionalized Screen-Printed Electrode for Sensitive Electrochemical Detection of Endocrine Disruptor Bisphenol A. <b>2015</b> , 27, 2527-2536		41
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757	3D Mesoporous Graphene: CVD Self-Assembly on Porous Oxide Templates and Applications in High-Stable Li-S Batteries. <b>2015</b> , 11, 5243-52		110
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736	Impedance and Resistivity Behavior of Graphene Oxide-Activated Carbon Hybrids. <b>2015</b> , 1107, 530-535	1
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733	Synthesis of three-dimensional carbon nanotube/graphene hybrid materials by a two-step chemical vapor deposition process. <b>2015</b> , 86, 358-362	40

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731	Field electron emission enhancement of graphenated MWCNTs emitters following their decoration with Au nanoparticles by a pulsed laser ablation process. <b>2015</b> , 26, 045706		23
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716	A facile low-temperature synthesis of highly distributed and size-tunable cobalt oxide nanoparticles anchored on activated carbon for supercapacitors. <b>2015</b> , 273, 945-953		45
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7 <sup>14</sup>	Surface design and engineering of hierarchical hybrid nanostructures for asymmetric supercapacitors with improved electrochemical performance. <b>2015</b> , 447, 282-301	36
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7 <sup>12</sup>	Carbon nanotube-bonded graphene hybrid aerogels and their application to water purification. <b>2015</b> , 7, 6782-9	63
7 <sup>11</sup>	Nanostructured pseudocapacitive materials decorated 3D graphene foam electrodes for next generation supercapacitors. <b>2015</b> , 7, 6999-7021	106
7 <sup>10</sup>	Freestanding polyaniline nanorods grown on graphene for highly capacitive energy storage. <b>2015</b> , 26, 065401	5
7 <sup>09</sup>	Preparation of fructose-based attapulgite template carbon materials and their electrochemical performance as supercapacitor electrodes. <b>2015</b> , 19, 1491-1500	9
7 <sup>08</sup>	Graphene and MWCNT based bi-functional polymer nanocomposites with enhanced microwave absorption and supercapacitor property. <b>2015</b> , 66, 200-212	39
7 <sup>07</sup>	Reduced graphene oxide paper based nanocomposite materials for flexible supercapacitors. <b>2015</b> , 5, 26666-26674	33
7 <sup>06</sup>	Simple coordination complex-derived three-dimensional mesoporous graphene as an efficient bifunctional oxygen electrocatalyst. <b>2015</b> , 51, 6773-6	41
7 <sup>05</sup>	Graphene in neurosurgery: the beginning of a new era. <b>2015</b> , 10, 615-25	22
7 <sup>04</sup>	Recent advances on multi-component hybrid nanostructures for electrochemical capacitors. <b>2015</b> , 294, 31-50	94
7 <sup>03</sup>	A Review: Synthesis Methods of Graphene and its Application in Supercapacitor Devices. <b>2015</b> , 1109, 40-44	5
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7 <sup>00</sup>	Graphene-based protein biomarker detection. <b>2015</b> , 7, 725-42	26
6 <sup>99</sup>	Customized casting of unstacked graphene with high surface area (>1300 m <sup>2</sup> g <sup>-1</sup> ) and its application in oxygen reduction reaction. <b>2015</b> , 93, 702-712	17
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6 <sup>97</sup>	Synthesis of Reduced Graphene Oxide-Carbon Nanotubes (rGO/CNT) Composite and Its Use As a Novel Catalyst Support for Hydro-Purification of Crude Terephthalic Acid. <b>2015</b> , 54, 7591-7603	25

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689	Facile Fabrication of Reduced Graphene Oxide/Polypyrrole Composite Hydrogels with Excellent Electrochemical Performance and Compression Capacity. <b>2015</b> , 3, 862-870		41
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679	Self-assembled three-dimensional graphene-based materials for dye adsorption and catalysis. <b>2015</b> , 3, 10031-10037		143

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670	Incorporating nanoporous polyaniline into layer-by-layer ionic liquid-carbon nanotube-graphene paper: towards freestanding flexible electrodes with improved supercapacitive performance. <b>2015</b> , 26, 374002		26
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662	Single-wall carbon nanotube hybridized graphene films: self assembly and electrical properties. <b>2015</b> , 30, 342-348		4
661	Nitrogen-doped holey graphene foams for high-performance lithium storage. <b>2015</b> , 5, 91114-91119		20

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653	Three-dimensional graphene-based composites for energy applications. <b>2015</b> , 7, 6924-43		211
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642	Synthesis of free-standing carbon nanohybrid by directly growing carbon nanotubes on air-sprayed graphene oxide paper and its application in supercapacitor. <b>2015</b> , 224, 45-51		16
641	Hydrous ruthenium oxide nanoparticles anchored to graphene and carbon nanotube hybrid foam for supercapacitors. <i>Scientific Reports</i> , <b>2014</b> , 4, 4452	4.9	356
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635	Preparation of Monolayered Ce-Fe Oxides Dispersed on Graphene and Their Superior Adsorptive Behavior. <b>2015</b> , 23, 158-164		0
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628	Progress in modified carbon support materials for Pt and Pt-alloy cathode catalysts in polymer electrolyte membrane fuel cells. <b>2016</b> , 82, 445-498		123
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626	Graphene-Based Nanocomposites for Energy Storage. <b>2016</b> , 6, 1502159		233
625	NiCo <sub>2</sub> S <sub>4</sub> Nanosheets Grown on 3D Networks of Nitrogen-Doped Graphene/Carbon Nanotubes: Advanced Anode Materials for Lithium-Ion Batteries. <b>2016</b> , 3, 1384-1391		38

624	Radially Aligned Porous Carbon Nanotube Arrays on Carbon Fibers: A Hierarchical 3D Carbon Nanostructure for High-Performance Capacitive Energy Storage. <b>2016</b> , 26, 3012-3020	117
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610	Hierarchically porous carbon black/graphene hybrid fibers for high performance flexible supercapacitors. <b>2016</b> , 6, 50112-50118	36
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608	Surface Effects on Buckling of Double Nanobeam System Based on Nonlocal Timoshenko Model. <b>2016</b> , 16, 1550077	25
607	Facile fabrication of porous carbon film/Ni foil double-layer structure for high-rate and high-power flexible electrochemical capacitor. <b>2016</b> , 767, 167-173	4

606	Optically transparent electrodes for spectroelectrochemistry fabricated with graphene nanoplatelets and single-walled carbon nanotubes. <b>2016</b> , 6, 31431-31439		12
605	Synthesis of microporous carbon/graphene composites for high-performance supercapacitors. <b>2016</b> , 66, 119-125		18
604	Mesoporous generation-inspired ultrahigh capacitive deionization performance by sono-assembled activated carbon/inter-connected graphene network architecture. <i>Electrochimica Acta</i> , <b>2016</b> , 205, 161-169	6.7	18
603	Observation of the predicted potential barrier at the graphene/transition metal interface. <b>2016</b> , 49, 135304		3
602	Simultaneous optimization of surface chemistry and pore morphology of 3D graphene-sulfur cathode via multi-ion modulation. <b>2016</b> , 321, 193-200		36
601	Cytotoxicity effects of three-dimensional graphene in NIH-3T3 fibroblasts. <b>2016</b> , 6, 45093-45102		6
600	Functionalization of chemically derived graphene for improving its electrocapacitive energy storage properties. <b>2016</b> , 9, 1891-1930		181
599	Frequency analysis of curved nano-sandwich structure based on a nonlocal model. <b>2016</b> , 30, 1650136		16
598	Synthesis of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> -reduced graphene oxide composite and its application for hybrid supercapacitors. <b>2016</b> , 22, 1829-1836		5
597	3D well-interconnected NiO/graphene/carbon nanotube nanohybrids as high-performance anode materials for Li-ion batteries. <b>2016</b> , 18, 1		7
596	Mechano-chemical stabilization of three-dimensional carbon nanotube aggregates. <b>2016</b> , 110, 27-33		19
595	Hierarchical Hybrids of Mesoporous NiCo <sub>2</sub> O <sub>4</sub> Needles/Graphene/Carbon Nanotubes with High Performance for Lithium Ion Batteries and Oxygen Reduction Reactions. <b>2016</b> , 2, 1077-1085		12
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593	Mesoporous Carbon Nanomaterials. <b>2016</b> , 505-540		
592	Molecularly imprinted polymer-based electrochemical sensor using functionalized fullerene as a nanomediator for ultratrace analysis of primaquine. <b>2016</b> , 109, 196-207		25
591	Morphology-controllable synthesis of 3D CoNiO <sub>2</sub> nano-networks as a high-performance positive electrode material for supercapacitors. <b>2016</b> , 113, 943-948		22
590	Highly ordered graphene architectures by duplicating melamine sponges as a three-dimensional deformation-tolerant electrode. <b>2016</b> , 9, 2938-2949		46
589	Synthesis of ultralow density 3D graphene-CNT foams using a two-step method. <b>2016</b> , 8, 15857-63		36

588	Inherent N,O-containing carbon frameworks as electrode materials for high-performance supercapacitors. <b>2016</b> , 8, 16323-16331		44
587	Comparative investigation of hollow mesoporous NiCo <sub>2</sub> S <sub>4</sub> ellipsoids with enhanced pseudo-capacitances towards high-performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , <b>2016</b> , 214, 76-84	6.7	104
586	Amino-modification and successive electrochemical reduction of graphene oxide for highly sensitive electrochemical detection of trace Pb <sup>2+</sup> . <b>2016</b> , 109, 479-486		31
585	All-Carbon Ultrafast Supercapacitor by Integrating Multidimensional Nanocarbons. <b>2016</b> , 12, 5684-5691		34
584	A high performance fiber-shaped PEDOT@MnO <sub>2</sub> //C@Fe <sub>3</sub> O <sub>4</sub> asymmetric supercapacitor for wearable electronics. <b>2016</b> , 4, 14877-14883		96
583	Enhanced electrochemical sensing of nitric oxide using a nanocomposite consisting of platinum-tungsten nanoparticles, reduced graphene oxide and an ionic liquid. <b>2016</b> , 183, 2879-2887		30
582	High Surface Area Electrodes Derived from Polymer Wrapped Carbon Nanotubes for Enhanced Energy Storage Devices. <b>2016</b> , 8, 24918-23		6
581	Toward highly thermally conductive all-carbon composites: Structure control. <b>2016</b> , 109, 575-597		99
580	Tailoring hierarchically porous graphene architecture by carbon nanotube to accelerate extracellular electron transfer of anodic biofilm in microbial fuel cells. <b>2016</b> , 328, 143-150		47
579	Two Step approach of fabrication of three dimensional reduced graphene oxide carbon nanotubes thick foams hybrid as a binder free supercapacitor electrode. <i>Electrochimica Acta</i> , <b>2016</b> , 217, 9-15	6.7	43
578	Ultrafine MnO Nanowires/Three-Dimensional Graphene/Single-Walled Carbon Nanotube Composites: Superior Electrocatalysts for Oxygen Reduction and Enhanced Mg/Air Batteries. <b>2016</b> , 8, 27710-27719		40
577	Enhanced supercapacitor performance of a 3D architecture tailored using atomically thin rGO/MoS <sub>2</sub> 2D sheets. <b>2016</b> , 6, 93384-93393		27
576	High-performance bifunctional oxygen electrocatalyst derived from iron and nickel substituted perfluorosulfonic acid/polytetrafluoroethylene copolymer. <b>2016</b> , 30, 801-809		36
575	Oxidation-Resistant and Elastic Mesoporous Carbon with Single-Layer Graphene Walls. <b>2016</b> , 26, 6418-6427		70
574	Carbon Materials for Supercapacitors. <b>2016</b> , 271-315		3
573	Effects of Functionalized Electrodes and Gold Nanoparticle Carrier Signal Amplification on an Electrochemical DNA Sensing Strategy. <b>2016</b> , 3, 1868-1874		6
572	Nanoporous graphene obtained by hydrothermal process in H <sub>2</sub> O <sub>2</sub> and its application for supercapacitors. <b>2016</b> , 659, 61-65		12
571	Preparation of porous reduced graphene oxide using cellulose acetate for high performance capacitive desalination. <b>2016</b> , 6, 70532-70536		4



570	Plasma-induced, nitrogen-doped graphene-based aerogels for high-performance supercapacitors. <b>2016</b> , 5, e16130		125
569	Synthesis, properties and applications of 3D carbon nanotube-graphene junctions. <b>2016</b> , 49, 443001		15
568	Strong light scattering and broadband (UV to IR) photoabsorption in stretchable 3D hybrid architectures based on Aerographite decorated by ZnO nanocrystallites. <i>Scientific Reports</i> , <b>2016</b> , 6, 32913-9		47
567	Scalable Multifunctional Ultra-thin Graphite Sponge: Free-standing, Superporous, Superhydrophobic, Oleophilic Architecture with Ferromagnetic Properties for Environmental Cleaning. <i>Scientific Reports</i> , <b>2016</b> , 6, 21858	4.9	9
566	An interlayer nanostructure of rGO/Sn <sub>2</sub> Fe-NRs array/rGO with high capacity for lithium ion battery anodes. <b>2016</b> , 59, 927-937		10
565	Nitrogen-Doped Foam-like Carbon Plate Consisting of Carbon Tubes as High-Performance Electrode Materials for Supercapacitors. <b>2016</b> , 3, 814-821		25
564	Design of Advanced MnO/N-Gr 3D Walls through Polymer Cross-Linking for High-Performance Supercapacitor. <b>2016</b> , 22, 1652-7		15
563	Novel Three-Dimensional Carbon Nanotube-Graphene Architecture with Abundant Chambers and Its Application in Lithium-Silicon Batteries. <b>2016</b> , 120, 13807-13814		20
562	Optical investigation of reduced graphene oxide and reduced graphene oxide/CNTs grown via simple CVD method. <b>2016</b> , 220, 72-77		23
561	Highly selective separation and adsorption-induced phase transition of SF <sub>6</sub> -N <sub>2</sub> fluid mixtures in three-dimensional carbon nanotube networks. <b>2016</b> , 113, 89-95		8
560	Synthesis of hybrid Ni-Co oxide @ 3D carbon skeleton derived from pollen grains for advanced supercapacitors. <i>Electrochimica Acta</i> , <b>2016</b> , 210, 695-703	6.7	8
559	Graphene based architectures for electrochemical capacitors. <b>2016</b> , 5, 8-32		59
558	Biomedical Applications of Graphene. <b>2016</b> , 41-56		
557	Preparation and supercapacitor performance of assembled graphene fiber and foam. <b>2016</b> , 26, 212-220		19
556	Bacteria-Affinity 3D Macroporous Graphene/MWCNTs/Fe <sub>3</sub> O <sub>4</sub> Foams for High-Performance Microbial Fuel Cells. <b>2016</b> , 8, 16170-7		72
555	Modular Graphene-Based 3D Covalent Networks: Functional Architectures for Energy Applications. <b>2016</b> , 12, 1044-52		22
554	Feasible water flow filter with facilely functionalized Fe <sub>3</sub> O <sub>4</sub> -non-oxidative graphene/CNT composites for arsenic removal. <b>2016</b> , 4, 3246-3252		24
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552	Ultrafast high energy supercapacitors based on pillared graphene nanostructures. <b>2016</b> , 4, 3356-3361	19
551	Ultrafast growth of carbon nanotubes on graphene for capacitive energy storage. <b>2016</b> , 27, 025401	10
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549	Carbon materials for high volumetric performance supercapacitors: design, progress, challenges and opportunities. <b>2016</b> , 9, 729-762	876
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547	A brief review on graphene/inorganic nanostructure composites: materials for the future. <b>2016</b> , 90, 1019-1032	21
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544	Nitrogen-doped porous carbon with an ultrahigh specific surface area for superior performance supercapacitors. <b>2016</b> , 310, 145-153	127
543	Facile synthesis of cobalt and nitrogen co-doped graphene networks from polyaniline for oxygen reduction reaction in acidic solutions. <b>2016</b> , 4, 3678-3682	31
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538	Fabrication of carbon-coated NiO supported on graphene for high performance supercapacitors. <b>2016</b> , 6, 14199-14204	32
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535	Morphology Effect of Vertical Graphene on the High Performance of Supercapacitor Electrode. <b>2016</b> , 8, 7363-9	69

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532	Grafting sulfonic and amine functional groups on 3D graphene for improved capacitive deionization. <b>2016</b> , 4, 5303-5313	144
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530	Self-assembled hybrids with xanthate functionalized carbon nanotubes and electro-exfoliating graphene sheets for electrochemical sensing of copper ions. <b>2016</b> , 767, 100-107	19
529	Diethylamine gas sensor using V <sub>2</sub> O <sub>5</sub> -decorated Fe <sub>2</sub> O <sub>3</sub> nanorods as a sensing material. <b>2016</b> , 6, 6511-6515	11
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525	Electrochemically formed 3D hierarchical thin films of cobalt-manganese (CoMn) hexacyanoferrate hybrids for electrochemical applications. <b>2016</b> , 305, 249-258	43
524	Two-step approach of fabrication of three-dimensional MnO <sub>2</sub> -graphene-carbon nanotube hybrid as a binder-free supercapacitor electrode. <b>2016</b> , 306, 602-610	125
523	Capacitance of two-dimensional titanium carbide (MXene) and MXene/carbon nanotube composites in organic electrolytes. <b>2016</b> , 306, 510-515	182
522	Structural Evolution of the Thermally Reduced Graphene Nanosheets During Annealing. <b>2016</b> , 51-71	1
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520	SnO <sub>2</sub> @Graphene Composite Electrodes for the Application in Electrochemical Energy Storage. <b>2016</b> , 123-141	
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516	Hierarchical carbon nanofibers/graphene composite containing nanodiamonds for direct dehydrogenation of ethylbenzene. <b>2016</b> , 96, 1060-1069		20
515	Flexible 3D nitrogen-doped carbon nanotubes nanostructure: A good matrix for enzyme immobilization and biosensing. <b>2016</b> , 222, 829-838		22
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513	Carbon-Based Functional Materials Derived from Waste for Water Remediation and Energy Storage. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605361	24	221
512	A study on optimal pore development of modified commercial activated carbons for electrode materials of supercapacitors. <b>2017</b> , 415, 61-66		21
511	In situ mechanical investigation of carbon nanotube-graphene junction in three-dimensional carbon nanostructures. <b>2017</b> , 9, 2916-2924		29
510	Enhanced electrochemical activity of perforated graphene in nickel-oxide-based supercapacitors and fabrication of potential asymmetric supercapacitors. <b>2017</b> , 1, 529-539		9
509	Advances in Production and Applications of Carbon Nanotubes. <b>2017</b> , 375, 18		46
508	Graphene Foam (GF)/Carbon Nanotubes (CNTs) Hybrid Film-Based High-Performance Flexible Asymmetric Supercapacitors. <b>2017</b> , 65-83		1
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505	Carbon nanotubes/holey graphene hybrid film as binder-free electrode for flexible supercapacitors. <b>2017</b> , 494, 355-362		33
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503	Graphene-Incorporated Sol-Gel Materials for Energy Applications. <b>2017</b> , 243-269		
502	Reduced graphene oxide-carbon nanotube grown on carbon fiber as binder-free electrode for flexible high-performance fiber supercapacitors. <b>2017</b> , 116, 7-15		77
501	Fabrication of a snail shell-like structured $\text{MnO}_2@ \text{CoNiO}_2$ composite electrode for high performance supercapacitors. <b>2017</b> , 7, 12301-12308		25
500	In-situ fabrication of halloysite nanotubes/silica nano hybrid and its application in unsaturated polyester resin. <b>2017</b> , 407, 130-136		32
499	Flexible reduced graphene oxide supercapacitor fabricated using a nitrogen dc-pulse atmospheric-pressure plasma jet. <b>2017</b> , 4, 025504		21

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487	Nitrogen-Doped 3D Graphene/MWNTs Nanoframework-Embedded $\text{Co}_3\text{O}_4$ for High Electrochemical Performance Supercapacitors. <b>2017</b> , 5, 5099-5107	50
486	Synthesis of three-dimensional graphene architectures by using an environmental-friendly surfactant as a reducing agent. <b>2017</b> , 42, 18196-18202	6
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465	Graphene/CNT composite as catalyst support for microwave-assisted hydrogen releasing from liquid organic hydride. <b>2017</b> , 42, 17403-17413	9
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454	Continuous hierarchical carbon nanotube/reduced graphene oxide hybrid films for supercapacitors. <i>Electrochimica Acta</i> , <b>2017</b> , 225, 566-573	6-7	21
453	Recent progress in graphene based ceramic composites: a review. <b>2017</b> , 32, 84-106		75
452	Nickel foam supported hierarchical Co <sub>9</sub> S <sub>8</sub> nanostructures for asymmetric supercapacitors. <b>2017</b> , 41, 1142-1148		41
451	Constructing optimized three-dimensional electrochemical interface in carbon nanofiber/carbon nanotube hierarchical composites for high-energy-density supercapacitors. <b>2017</b> , 111, 502-512		40
450	Ultrahigh Thermal Rectification in Pillared Graphene Structure with Carbon Nanotube-Graphene Intramolecular Junctions. <b>2017</b> , 9, 29-35		29
449	Fiber-based MnO <sub>2</sub> /carbon nanotube/polyimide asymmetric supercapacitor. <b>2017</b> , 125, 595-604		72
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446	Electrical Energy Storage: Supercapacitors. <b>2017</b> , 25-59		
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444	3D in-situ hollow carbon fiber/carbon nanosheet/Fe <sub>3</sub> C@Fe <sub>3</sub> O <sub>4</sub> by solventless one-step synthesis and its superior supercapacitor performance. <i>Electrochimica Acta</i> , <b>2017</b> , 252, 215-225	6.7	22
443	Graphene-vertically aligned carbon nanotube hybrid on PDMS as stretchable electrodes. <b>2017</b> , 28, 465302		24
442	Modeling Water Flow Through Carbon Nanotube Membranes with Entrance/Exit Effects. <b>2017</b> , 21, 247-262		45
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440	Three-dimensional graphene-based macrostructures for sustainable energy applications and climate change mitigation. <b>2017</b> , 90, 224-275		54
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435	A review of flexible lithium-sulfur and analogous alkali metal-chalcogen rechargeable batteries. <b>2017</b> , 46, 5237-5288		461
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433	Flexible Black-Phosphorus Nanoflake/Carbon Nanotube Composite Paper for High-Performance All-Solid-State Supercapacitors. <b>2017</b> , 9, 44478-44484		69
432	One-pot synthesis of highly efficient graphene based three-dimensional hybrids as catalyst supporting materials for electro-oxidation of liquid fuels. <b>2017</b> , 5, 15273-15286		12
431	High-performance pseudocapacitor electrode materials: cobalt (II) chloride@QDs electrodes. <b>2017</b> , 6, 227-233		12
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428	Assembly of Aqueous Rechargeable Magnesium Ions Battery Capacitor: The Nanowire Mg-OMS-2/Graphene as Cathode and Activated Carbon as Anode. <b>2017</b> , 5, 6727-6735		48
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424	Graphene-based materials for capacitive deionization. <b>2017</b> , 5, 13907-13943	189
423	Hardness of Pillared-Graphene Nanostructures via Indentation Simulation. <b>2017</b> , 2, 45-50	2
422	Graphene-CNT Hybrids for Energy Applications. <b>2017</b> , 53-90	2
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418	Porous carbons derived from pyrene-based conjugated microporous polymer for supercapacitors. <b>2017</b> , 240, 73-79	26
417	A novel hierarchical 3D N-Co-CNT@NG nanocomposite electrode for non-enzymatic glucose and hydrogen peroxide sensing applications. <b>2017</b> , 89, 970-977	78
416	A novel hybrid filler of halloysite nanotubes/silica fabricated by electrostatic self-assembly. <b>2017</b> , 188, 327-330	19
415	Fabrication of vesicular polyaniline using hard templates and composites with graphene for supercapacitor. <b>2017</b> , 21, 705-714	19
414	Macroscopic bioinspired graphene sponge modified with in-situ grown carbon nanowires and its electromagnetic properties. <b>2017</b> , 111, 94-102	144
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411	A sandwich-like PtCo-graphene/carbon dots/graphene catalyst for efficient methanol oxidation. <b>2017</b> , 802, 27-32	19
410	Structural and Morphological Investigation for Water-Processed Graphene Oxide/Single-Walled Carbon Nanotubes Hybrids. <b>2017</b> , 209, 012030	5
409	Growth and fabrication of carbon-based three-dimensional heterostructure in through-silicon vias (TSVs) for 3D interconnects. <b>2017</b> ,	2

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407	Nanostructured MnO <sub>2</sub> s Electrode Materials for Energy Storage. <b>2017</b> , 7,		128
406	Graphene hybrids with carbon allotropes. <b>2017</b> , 123-139		
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404	3-D structured Pt/rGO-polyethyleneimine-functionalized MWCNTs prepared with different mass ratio of rGO and MWCNT for proton exchange membrane fuel cell. <b>2018</b> , 43, 4439-4447		10
403	Barrier mechanism of multilayers graphene coated copper against atomic oxygen irradiation. <b>2018</b> , 444, 28-35		20
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383	Co,N-codoped nanotube/graphene 1D/2D heterostructure for efficient oxygen reduction and hydrogen evolution reactions. <b>2018</b> , 6, 3926-3932		105
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