

Heteroatom-doped graphene materials: syntheses, prop

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Three-Dimensional Porous Architectures of Carbon Nanotubes and Graphene Sheets for Energy Applications. <i>Frontiers in Energy Research</i> , 2014, 2, .	1.2	14
2	Electrode Nanostructures in Lithium-Based Batteries. <i>Advanced Science</i> , 2014, 1, 1400012.	5.6	148
3	Work Functions of Pristine and Heteroatom-Doped Graphenes under Different External Electric Fields: An <i>ab Initio</i> DFT Study. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28274-28282.	1.5	114
4	Low-temperature and one-pot synthesis of sulfurized graphene nanosheets via in situ doping and their superior electrocatalytic activity for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20714-20722.	5.2	54
5	Chemical Reactivity and Band-Gap Opening of Graphene Doped with Gallium, Germanium, Arsenic, and Selenium Atoms. <i>ChemPhysChem</i> , 2014, 15, 3994-4000.	1.0	67
6	Chemical Preparation of Graphene Materials Results in Extensive Unintentional Doping with Heteroatoms and Metals. <i>Chemistry - A European Journal</i> , 2014, 20, 15760-15767.	1.7	39
7	Heteroatom-doped graphene materials: syntheses, properties and applications. <i>Chemical Society Reviews</i> , 2014, 43, 7067-7098.	18.7	1,547
8	Revealing the tunable photoluminescence properties of graphene quantum dots. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6954-6960.	2.7	530
9	Engineered 2D nanomaterials-protein interfaces for efficient sensors. <i>Journal of Materials Research</i> , 2015, 30, 3565-3574.	1.2	10
10	Laser-induced modulation of the Landau level structure in single-layer graphene. <i>Physical Review B</i> , 2015, 92, .	1.1	15
11	Silicon and silicon-nitrogen impurities in graphene: Structure, energetics, and effects on electronic transport. <i>Physical Review B</i> , 2015, 92, .	1.1	23
12	Doping graphene with a monovacancy: bonding and magnetism. <i>Journal of Physics: Conference Series</i> , 2015, 661, 012028.	0.3	5
13	Multisource Synergistic Electrocatalytic Oxidation Effect of Strongly Coupled PdM (M=Sn, Ni, Cu, Pt) Nanoparticles on Graphene. <i>Journal of Electroanalytical Chemistry</i> , 2015, 620, 1-8.	1.8	48
14	Selective Nitrogen Functionalization of Graphene by Bucherer-Type Reaction. <i>Chemistry - A European Journal</i> , 2015, 21, 8090-8095.	1.7	19
15	3D WS <sub>2</sub> Nanolayers@Heteroatom-Doped Graphene Films as Hydrogen Evolution Catalyst Electrodes. <i>Advanced Materials</i> , 2015, 27, 4234-4241.	11.1	389
16	Multifunctional Nitrogen-Doped Carbon Nanodots for Photoluminescence, Sensor, and Visible-Light-Induced H <sub>2</sub> Production. <i>ChemPhysChem</i> , 2015, 16, 3058-3063.	1.0	28
17	Supramolecular Polymerization Promoted In Situ Fabrication of Nitrogen-Doped Porous Graphene Sheets as Anode Materials for Li-Ion Batteries. <i>Advanced Energy Materials</i> , 2015, 5, 1500559.	10.2	133
18	Advanced Graphene-Based Binder-Free Electrodes for High-Performance Energy Storage. <i>Advanced Materials</i> , 2015, 27, 5264-5279.	11.1	153

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19	In Situ Fabrication of PtCo Alloy Embedded in Nitrogen-Doped Graphene Nanopores as Synergistic Catalyst for Oxygen Reduction Reaction. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500365.	1.9	21
20	Magnetic Properties of a Bottom-Up Synthesis Analogous Graphene with N-Doped Zigzag Edges. <i>Advanced Electronic Materials</i> , 2015, 1, 1500084.	2.6	6
21	High-Surface-Area Nitrogen-Doped Reduced Graphene Oxide for Electric Double-Layer Capacitors. <i>ChemSusChem</i> , 2015, 8, 1875-1884.	3.6	83
22	Co-Doping of Activated Graphene for Synergistically Enhanced Electrocatalytic Oxygen Reduction Reaction. <i>ChemSusChem</i> , 2015, 8, 4040-4048.	3.6	22
24	Nitrogen-Doped Carbon Nanotube and Graphene Materials for Oxygen Reduction Reactions. <i>Catalysts</i> , 2015, 5, 1574-1602.	1.6	183
25	Two-Dimensional Materials for Sensing: Graphene and Beyond. <i>Electronics (Switzerland)</i> , 2015, 4, 651-687.	1.8	310
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27	Sunlight induced unique morphological transformation in graphene based nanohybrids: appearance of a new tetra-nanohybrid and tuning of functional property of these nanohybrids. <i>Soft Matter</i> , 2015, 11, 4226-4234.	1.2	17
28	Simple one-step synthesis of fluorine-doped carbon nanoparticles as potential alternative metal-free electrocatalysts for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9972-9981.	5.2	160
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30	Single pot electrochemical synthesis of functionalized and phosphorus doped graphene nanosheets for supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 6319-6328.	1.1	39
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34	Graphene-supported metal/metal oxide nanohybrids: synthesis and applications in heterogeneous catalysis. <i>Catalysis Science and Technology</i> , 2015, 5, 3903-3916.	2.1	125
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36	Doped graphene supercapacitors. <i>Nanotechnology</i> , 2015, 26, 492001.	1.3	86
37	First-Principles Calculation of Quantum Capacitance of Codoped Graphenes as Supercapacitor Electrodes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 26290-26295.	1.5	118

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38	Polyaniline Coated Boron Doped Biomass Derived Porous Carbon Composites for Supercapacitor Electrode Materials. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 12570-12579.	1.8	73
39	Graphene quantum dots functionalized gold nanoparticles for sensitive electrochemical detection of heavy metal ions. <i>Electrochimica Acta</i> , 2015, 172, 7-11.	2.6	200
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43	Rational design of three-dimensional nitrogen-doped carbon nanoleaf networks for high-performance oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5617-5627.	5.2	32
44	Facile hydrothermal preparation of recyclable S-doped graphene sponge for Cu <sup>2+</sup> adsorption. <i>Journal of Hazardous Materials</i> , 2015, 286, 449-456.	6.5	100
45	Boron-Doped, Nitrogen-Doped, and Codoped Graphene on Cu(111): A DFT + vdW Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6056-6064.	1.5	63
46	White-light photoconductivity of N-doped graphene oxide thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1853-1857.	1.1	1
47	Two-dimensional dichalcogenides for light-harvesting applications. <i>Nano Today</i> , 2015, 10, 128-137.	6.2	208
48	Two-dimensional covalent carbon nitride nanosheets: synthesis, functionalization, and applications. <i>Energy and Environmental Science</i> , 2015, 8, 3092-3108.	15.6	893
49	A single-step room-temperature electrochemical synthesis of nitrogen-doped graphene nanoribbons from carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18222-18228.	5.2	18
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51	Heteroatom-Doped Graphene-Based Materials for Energy-Relevant Electrocatalytic Processes. <i>ACS Catalysis</i> , 2015, 5, 5207-5234.	5.5	800
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57	Sulfur-doped graphene-supported Ag nanoparticles for nonenzymatic hydrogen peroxide detection. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	20
58	The dopant type and amount governs the electrochemical performance of graphene platforms for the antioxidant activity quantification. <i>Nanoscale</i> , 2015, 7, 9040-9045.	2.8	19
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63	Synthesis of wood derived nitrogen-doped porous carbon/polyaniline composites for supercapacitor electrode materials. <i>RSC Advances</i> , 2015, 5, 30943-30949.	1.7	73
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68	Graphene-based catalysis for biomass conversion. <i>Catalysis Science and Technology</i> , 2015, 5, 3845-3858.	2.1	100
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70	Highly Stable and Tunable n-Type Graphene Field-Effect Transistors with Poly(vinyl alcohol) Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 9702-9708.	4.0	25
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72	Dichlorocarbene-functionalized Fluorographene: Synthesis and Reaction Mechanism. <i>Small</i> , 2015, 11, 3790-3796.	5.2	32
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77	Heteroatom substituted and decorated graphene: preparation and applications. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 32077-32098.	1.3	64
78	Covalent functionalization of N-doped graphene by N-alkylation. <i>Chemical Communications</i> , 2015, 51, 16916-16919.	2.2	24
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108	Nitrogen-Doped Graphene for Photocatalytic Hydrogen Generation. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1125-1137.	1.7	63
109	Synthesis of Nitrogen-Containing Rubicene and Tetrabenzopentacene Derivatives. <i>Angewandte Chemie</i> , 2016, 128, 3413-3416.	1.6	21

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