

Gui-Li Tian

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Spatially Confined Hybridization of Nanometer-Sized NiFe Hydroxides into Nitrogen-Doped Graphene Frameworks Leading to Superior Oxygen Evolution Reactivity. <i>Advanced Materials</i> , 2015, 27, 4516-4522.	21.0	612
2	Unstacked double-layer templated graphene for high-rate lithium-sulphur batteries. <i>Nature Communications</i> , 2014, 5, 3410.	12.8	602
3	Nitrogen-Doped Graphene/Carbon Nanotube Hybrids: In Situ Formation on Bifunctional Catalysts and Their Superior Electrocatalytic Activity for Oxygen Evolution/Reduction Reaction. <i>Small</i> , 2014, 10, 2251-2259.	10.0	571
4	Nitrogen-Doped Aligned Carbon Nanotube/Graphene Sandwiches: Facile Catalytic Growth on Bifunctional Natural Catalysts and Their Applications as Scaffolds for High-Rate Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2014, 26, 6100-6105.	21.0	534
5	Graphene/Single-Walled Carbon Nanotube Hybrids: One-Step Catalytic Growth and Applications for High-Rate Li-S Batteries. <i>ACS Nano</i> , 2012, 6, 10759-10769.	14.6	508
6	Toward Full Exposure of "Active Sites" Nanocarbon Electrocatalyst with Surface Enriched Nitrogen for Superior Oxygen Reduction and Evolution Reactivity. <i>Advanced Functional Materials</i> , 2014, 24, 5956-5961.	14.9	332
7	The Catalytic Pathways of Hydrohalogenation over Metal-Free Nitrogen-Doped Carbon Nanotubes. <i>ChemSusChem</i> , 2014, 7, 723-728.	6.8	114
8	Towards high purity graphene/single-walled carbon nanotube hybrids with improved electrochemical capacitive performance. <i>Carbon</i> , 2013, 54, 403-411.	10.3	110
9	Hierarchical Vine-Like Carbon Nanotube Architectures: In Situ CVD Self-Assembly and Their Use as Robust Scaffolds for Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2014, 26, 7051-7058.	21.0	104
10	Resilient aligned carbon nanotube/graphene sandwiches for robust mechanical energy storage. <i>Nano Energy</i> , 2014, 7, 161-169.	16.0	66
11	Flexible CNT-array double helices Strain Sensor with high stretchability for Motion Capture. <i>Scientific Reports</i> , 2015, 5, 15554.	3.3	55
12	Fluidized-bed CVD of unstacked double-layer templated graphene and its application in supercapacitors. <i>AIChE Journal</i> , 2015, 61, 747-755.	3.6	48
13	Nitrogen-doped herringbone carbon nanofibers with large lattice spacings and abundant edges: Catalytic growth and their applications in lithium ion batteries and oxygen reduction reactions. <i>Catalysis Today</i> , 2015, 249, 244-251.	4.4	48
14	Robust growth of herringbone carbon nanofibers on layered double hydroxide derived catalysts and their applications as anodes for Li-ion batteries. <i>Carbon</i> , 2013, 62, 393-404.	10.3	46
15	Self-organization of nitrogen-doped carbon nanotubes into double-helix structures. <i>Carbon</i> , 2012, 50, 5323-5330.	10.3	40
16	Emerging double helical nanostructures. <i>Nanoscale</i> , 2014, 6, 9339-9354.	5.6	40
17	Space Confinement and Rotation Stress Induced Self-Organization of Double-Helix Nanostructure: A Nanotube Twist with a Moving Catalyst Head. <i>ACS Nano</i> , 2012, 6, 4520-4529.	14.6	38
18	Monodisperse embedded nanoparticles derived from an atomic metal-dispersed precursor of layered double hydroxide for architected carbon nanotube formation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1686.	10.3	36

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19	In Situ Monitoring the Role of Working Metal Catalyst Nanoparticles for Ultrahigh Purity Single-Walled Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2013, 23, 5066-5073.	14.9	27
20	Flux and surfactant directed facile thermal conversion synthesis of hierarchical porous MgO for efficient adsorption and catalytic growth of carbon nanotubes. <i>CrystEngComm</i> , 2014, 16, 308-318.	2.6	26
21	Enhanced growth of carbon nanotube bundles in a magnetically assisted fluidized bed chemical vapor deposition. <i>Carbon</i> , 2016, 108, 404-411.	10.3	22
22	Preferential growth of short aligned, metallic-rich single-walled carbon nanotubes from perpendicular layered double hydroxide film. <i>Nanoscale</i> , 2012, 4, 2470.	5.6	21
23	Customized casting of unstacked graphene with high surface area ($>1300 \text{ m}^2\text{g}^{-1}$) and its application in oxygen reduction reaction. <i>Carbon</i> , 2015, 93, 702-712.	10.3	20
24	Controllable bulk growth of few-layer graphene/single-walled carbon nanotube hybrids containing Fe@C nanoparticles in a fluidized bed reactor. <i>Carbon</i> , 2014, 67, 554-563.	10.3	16
25	Catalysis: Spatially Confined Hybridization of Nanometer-Sized NiFe Hydroxides into Nitrogen-Doped Graphene Frameworks Leading to Superior Oxygen Evolution Reactivity (<i>Adv. Mater.</i> 30/2015). <i>Advanced Materials</i> , 2015, 27, 4524-4524.	21.0	8
26	Lithium-Sulfur Batteries: Nitrogen-Doped Aligned Carbon Nanotube/Graphene Sandwiches: Facile Catalytic Growth on Bifunctional Natural Catalysts and Their Applications as Scaffolds for High-Rate Lithium-Sulfur Batteries (<i>Adv. Mater.</i> 35/2014). <i>Advanced Materials</i> , 2014, 26, 6199-6199.	21.0	4
27	Lithium-Sulfur Batteries: Hierarchical Vine-Tree-Like Carbon Nanotube Architectures: In-Situ CVD Self-Assembly and Their Use as Robust Scaffolds for Lithium-Sulfur Batteries (<i>Adv. Mater.</i> 41/2014). <i>Advanced Materials</i> , 2014, 26, 6986-6986.	21.0	3