

Gui-Li Tian

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27 papers	3,654 citations	20 h-index	31 g-index
31 ext. papers	3,869 ext. citations	13.4 avg, IF	5.15 L-index

#	Paper	IF	Citations
27	Enhanced growth of carbon nanotube bundles in a magnetically assisted fluidized bed chemical vapor deposition. <i>Carbon</i> , 2016 , 108, 404-411	10.4	16
26	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	5.3	39
25	Customized casting of unstacked graphene with high surface area (>1300 m ² g ⁻¹) and its application in oxygen reduction reaction. <i>Carbon</i> , 2015 , 93, 702-712	10.4	17
24	Catalysis: Spatially Confined Hybridization of Nanometer-Sized NiFe Hydroxides into Nitrogen-Doped Graphene Frameworks Leading to Superior Oxygen Evolution Reactivity (Adv. Mater. 30/2015). <i>Advanced Materials</i> , 2015 , 27, 4524	24	4
23	Flexible CNT-array double helices Strain Sensor with high stretchability for Motion Capture. <i>Scientific Reports</i> , 2015 , 5, 15554	4.9	43
22	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	24	533
21	Fluidized-bed CVD of unstacked double-layer templated graphene and its application in supercapacitors. <i>AIChE Journal</i> , 2015 , 61, 747-755	3.6	40
20	Emerging double helical nanostructures. <i>Nanoscale</i> , 2014 , 6, 9339-54	7.7	31
19	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, 2251-9	11	525
18	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, 6100-5	24	492
17	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 (Adv. Mater. 41/2014). <i>Advanced Materials</i> , 2014 , 26, 6986-6986	24	3
16	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	15.6	300
15	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	13	34
14	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	3.3	24
13	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 (Adv. Mater. 35/2014). <i>Advanced Materials</i> , 2014 , 26, 6199-6199	24	3
12	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	10.4	15
11	The catalytic pathways of hydrohalogenation over metal-free nitrogen-doped carbon nanotubes. <i>ChemSusChem</i> , 2014 , 7, 723-8	8.3	106

10	Resilient aligned carbon nanotube/graphene sandwiches for robust mechanical energy storage. <i>Nano Energy</i> , 2014 , 7, 161-169	17.1	54
9	Hierarchical vine-tree-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, 7051-8	24	97
8	Unstacked double-layer templated graphene for high-rate lithium-sulphur batteries. <i>Nature Communications</i> , 2014 , 5, 3410	17.4	551
7	Towards high purity graphene/single-walled carbon nanotube hybrids with improved electrochemical capacitive performance. <i>Carbon</i> , 2013 , 54, 403-411	10.4	100
6	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	10.4	42
5	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	15.6	25
4	Graphene/single-walled carbon nanotube hybrids: one-step catalytic growth and applications for high-rate Li-S batteries. <i>ACS Nano</i> , 2012 , 6, 10759-69	16.7	462
3	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, 4520-9	16.7	35
2	Self-organization of nitrogen-doped carbon nanotubes into double-helix structures. <i>Carbon</i> , 2012 , 50, 5323-5330	10.4	40
1	Preferential growth of short aligned, metallic-rich single-walled carbon nanotubes from perpendicular layered double hydroxide film. <i>Nanoscale</i> , 2012 , 4, 2470-7	7.7	18