Hong-Zhang Geng

List of Publications by Year
in descending order

60 papers	2,820 citations	236925 25 h-index	168389 53 g-index
60 all docs	60 docs citations	60 times ranked	3981 citing authors

#	Article	IF	Citations
1	Effect of Acid Treatment on Carbon Nanotube-Based Flexible Transparent Conducting Films. Journal of the American Chemical Society, 2007, 129, 7758-7759.	13.7	874
2	Fermi Level Engineering of Single-Walled Carbon Nanotubes by AuCl₃ Doping. Journal of the American Chemical Society, 2008, 130, 12757-12761.	13.7	238
3	Doping and de-doping of carbon nanotube transparent conducting films by dispersant and chemical treatment. Journal of Materials Chemistry, 2008, 18, 1261.	6.7	132
4	Functionalization of multi-wall carbon nanotubes to reduce the coefficient of the friction and improve the wear resistance of multi-wall carbon nanotube/epoxy composites. Carbon, 2013, 54, 277-282.	10.3	131
5	Absorption spectroscopy of surfactant-dispersed carbon nanotube film: Modulation of electronic structures. Chemical Physics Letters, 2008, 455, 275-278.	2.6	124
6	Effect of functionalization of multi-walled carbon nanotube on the curing behavior and mechanical property of multi-walled carbon nanotube/epoxy composites. Materials & Design, 2013, 49, 279-284.	5.1	93
7	Enhancement of Conductivity by Diameter Control of Polyimide-Based Electrospun Carbon Nanofibers. Journal of Physical Chemistry B, 2007, 111, 11350-11353.	2.6	81
8	Multifunctional PVDF/CNT/GO mixed matrix membranes for ultrafiltration and fouling detection. Journal of Hazardous Materials, 2020, 384, 120978.	12.4	76
9	Dependence of Raman spectra<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>G</mml:mi><mml:mo>â€²</mml:mo></mml:msup></mml:math>band intensity on metallicity of single-wall carbon nanotubes. Physical Review B, 2007, 76, .	3.2	67
10	Improvement of Corrosion Resistance of Waterborne Polyurethane Coatings by Covalent and Noncovalent Grafted Graphene Oxide Nanosheets. ACS Omega, 2019, 4, 20265-20274.	3.5	64
11	Carbon nanotube/polyurethane films with high transparency, low sheet resistance and strong adhesion for antistatic application. RSC Advances, 2017, 7, 53018-53024.	3.6	54
12	Tannic acid modified graphene/CNT three-dimensional conductive network for preparing high-performance transparent flexible heaters. Journal of Colloid and Interface Science, 2020, 577, 300-310.	9.4	51
13	Fabrication of architectural structured polydopamine-functionalized reduced graphene oxide/carbon nanotube/PEDOT:PSS nanocomposites as flexible transparent electrodes for OLEDs. Applied Surface Science, 2020, 500, 143997.	6.1	50
14	DEPENDENCE OF MATERIAL QUALITY ON PERFORMANCE OF FLEXIBLE TRANSPARENT CONDUCTING FILMS WITH SINGLE-WALLED CARBON NANOTUBES. Nano, 2007, 02, 157-167.	1.0	44
15	Carbon nanotube-based flexible electrothermal film heaters with a high heating rate. Royal Society Open Science, 2018, 5, 172072.	2.4	43
16	Novel biodegradable and ultra-flexible transparent conductive film for green light OLED devices. Carbon, 2021, 172, 379-389.	10.3	42
17	Optimisation of carbon nanotube ink for large-area transparent conducting films fabricated by controllable rod-coating method. Carbon, 2014, 70, 103-110.	10.3	41
18	Enhanced performance of conductive polysulfone/MWCNT/PANI ultrafiltration membrane in an online fouling monitoring application. Journal of Membrane Science, 2019, 575, 160-169.	8.2	40

#	ARTICLE	IF	CITATIONS
19	High adhesion transparent conducting films using graphene oxide hybrid carbon nanotubes. Applied Surface Science, 2017, 392, 1117-1125.	6.1	34
20	Highly conductive sandwich-structured CNT/PEDOT:PSS/CNT transparent conductive films for OLED electrodes. Applied Nanoscience (Switzerland), 2019, 9, 1971-1979.	3.1	34
21	Optimizing processes of dispersant concentration and post-treatments for fabricating single-walled carbon nanotube transparent conducting films. Applied Surface Science, 2013, 277, 128-133.	6.1	33
22	Modification of carbon nanotube transparent conducting films for electrodes in organic light-emitting diodes. Nanotechnology, 2013, 24, 435201.	2.6	33
23	Fabrication and evaluation of adhesion enhanced flexible carbon nanotube transparent conducting films. Journal of Materials Chemistry C, 2015, 3, 3796-3802.	5.5	30
24	Effect of Carbon Nanotube Types in Fabricating Flexible Transparent Conducting Films. Journal of the Korean Physical Society, 2008, 53, 979-985.	0.7	28
25	Hydrogen storage in microwave-treated multi-walled carbon nanotubes. International Journal of Hydrogen Energy, 2010, 35, 2073-2082.	7.1	27
26	Fabrication and test of adhesion enhanced flexible carbon nanotube transparent conducting films. Applied Surface Science, 2014, 313, 220-226.	6.1	25
27	Water-based polyurethane composite anticorrosive barrier coating via enhanced dispersion of functionalized graphene oxide in the presence of acidified multi-walled carbon nanotubes. Progress in Organic Coatings, 2020, 146, 105734.	3.9	22
28	Highly stable and conductive PEDOT:PSS/GO-SWCNT bilayer transparent conductive films. New Journal of Chemistry, 2020, 44, 780-790.	2.8	21
29	Flexible Electrothermal Laminate Films Based on Tannic Acid-Modified Carbon Nanotube/Thermoplastic Polyurethane Composite. Industrial & Engineering Chemistry Research, 2021, 60, 7844-7852.	3.7	21
30	Highly transparent, low sheet resistance and stable Tannic acid modified-SWCNT/AgNW double-layer conductive network for organic light emitting diodes. Nanotechnology, 2021, 32, 015708.	2.6	21
31	High conductive PPyâ€“CNT surface-modified PES membrane with anti-fouling property. Applied Nanoscience (Switzerland), 2018, 8, 1597-1606.	3.1	20
32	Y-junction carbon nanocoils: synthesis by chemical vapor deposition and formation mechanism. Scientific Reports, 2015, 5, 11281.	3.3	18
33	Polyaniline/polysulfone ultrafiltration membranes with improved permeability and anti-fouling behavior. Journal of Water Process Engineering, 2021, 40, 101903.	5.6	18
34	Strategy for High Concentration Nanodispersion of Single-Walled Carbon Nanotubes with Diameter Selectivity. Journal of Physical Chemistry C, 2009, 113, 10044-10051.	3.1	17
35	Three-dimensional architecture of carbon nanotube-anchored polymer nanofiber composite. Journal of Materials Chemistry, 2009, 19, 7822.	6.7	17
36	High-Performance Transparent PEDOT: PSS/CNT Films for OLEDs. Nanomaterials, 2021, 11, 2067.	4.1	17

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37	A timesaving, low-cost, high-yield method for the synthesis of ultrasmall uniform graphene oxide nanosheets and their application in surfactants. Nanotechnology, 2016, 27, 055601.	2.6	16
38	Preparation, characterization, and chemical-induced hydrophobicity of thermostable amine-modified graphene oxide. RSC Advances, 2015, 5, 105393-105399.	3.6	11
39	Growth of morphology-controllable carbon nanocoils from Ni nanoparticle prepared by spray-coating method. Carbon, 2015, 82, 604-607.	10.3	11
40	Anti-corrosion reinforcement of waterborne polyurethane coating with polymerized graphene oxide by the one-pot method. Journal of Materials Science, 2021, 56, 337-350.	3.7	11
41	Temperature and voltage dependent currentâ€œvoltage behavior of single-walled carbon nanotube transparent conducting films. Applied Surface Science, 2015, 355, 1201-1205.	6.1	9
42	Effect of Different Concentrations of Nitric Acid on the Conductivity of Single-Walled Carbon Nanotube Transparent Films. Advanced Materials Research, 0, 658, 3-7.	0.3	8
43	Synthesis and optimization of tin dioxide/functionalized multi-walled carbon nanotube composites as anode in lithium-ion battery. Materials Chemistry and Physics, 2015, 153, 155-160.	4.0	8
44	Mechanism of surface treatments on carbon nanotube transparent conductive films by three different reagents. RSC Advances, 2019, 9, 3162-3168.	3.6	8
45	Wrinkled p-phenylenediamine grafted graphene oxide as reinforcement for polyvinyl butyral anti-corrosive coating. Journal of Materials Science, 2021, 56, 12686-12699.	3.7	8
46	Strong adhesion and high optoelectronic performance hybrid graphene/carbon nanotubes transparent conductive films for green-light OLED devices. Surfaces and Interfaces, 2021, 24, 101137.	3.0	8
47	Vacuumâ€Assisted Layerâ€byâ€Layer Carbon Nanotube/Ti₃C₂T<i>_X</i> MXene Films for Detecting Human Movements. Advanced Materials Technologies, 2022, 7, 2101096.	5.8	6
48	Purification and Dispersion of Single-walled Carbon Nanotubes for Transparent Conducting Films. Integrated Ferroelectrics, 2013, 145, 80-87.	0.7	5
49	Hierarchical chrysanthemum-flower-like carbon nanomaterials grown by chemical vapor deposition. Nanotechnology, 2016, 27, 085602.	2.6	5
50	Bilayer and three dimensional conductive network composed by SnCl2 reduced rGO with CNTs and GO applied in transparent conductive films. Scientific Reports, 2021, 11, 9891.	3.3	5
51	Tannic Acid Modified Singleâ€Walled Carbon Nanotube/Zinc Oxide Nanoparticle Thin Films for UV/Visible Semitransparent Photodiodeâ€Type Photodetectors. ChemPhotoChem, 2022, 6, .	3.0	5
52	Low Surface Roughness Graphene Oxide Film Reduced with Aluminum Film Deposited by Magnetron Sputtering. Nanomaterials, 2021, 11, 1428.	4.1	4
53	Improved resistance stability of transparent conducting films prepared by PEDOT: PSS hybrid CNTs treated by a two-step method. Materials Research Express, 2019, 6, 116425.	1.6	3
54	Transparent Conducting Films by Using Carbon Nanotubes. , 2008, , 15-28.		3

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55	Recent progress in carbon nanotube-based flexible transparent conducting film. , 2008, , .		2
56	Studying compactibility and uniformity of green molding sand by gamma-ray attenuation. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 638-641.	1.4	2
57	Recent Research Progress of Carbon Nanotube Arrays Prepared by Plasma Enhanced Chemical Vapor Deposition Method. Materials Science Forum, 2016, 852, 308-314.	0.3	1
58	Effects of Carboxyl Functionalized Carbon Nanotube on the Tensile Strength and Wear Resistance of Epoxy Composites. Materials Science Forum, 0, 809-810, 175-179.	0.3	0
59	Enhancement of Hydrophobility and Thermal Property of Graphene Oxide by Paratoluidine Chemical Functionalization. Materials Science Forum, 0, 809-810, 243-247.	0.3	0
60	Three-Dimensionally Porous Polystyrene Films Fabricated via an Ultrasound Assisted Template Method. Materials Science Forum, 2014, 809-810, 660-664.	0.3	0