Bing Li

List of Publications by Year
in descending order

24 papers	547 citations	687363 13 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	817 citing authors

#	Article	IF	Citations
1	Graphene electrode modified with electrochemically reduced graphene oxide for label-free DNA detection. Biosensors and Bioelectronics, 2015, 72, 313-319.	10.1	110
2	Multiplexed immunosensors for point-of-care diagnostic applications. Biosensors and Bioelectronics, 2022, 203, 114050.	10.1	69
3	Transfer-free growth of graphene on SiO2 insulator substrate from sputtered carbon and nickel films. Carbon, 2013, 65, 349-358.	10.3	59
4	A bio-inspired 3D micro-structure for graphene-based bacteria sensing. Biosensors and Bioelectronics, 2019, 123, 77-84.	10.1	43
5	Carbon-Nanotube-Coated 3D Microspring Force Sensor for Medical Applications. ACS Applied Materials & Interfaces, 2019, 11, 35577-35586.	8.0	32
6	Clinical detection of neurodegenerative blood biomarkers using graphene immunosensor. Carbon, 2020, 168, 144-162.	10.3	30
7	Emerging graphene-based sensors for the detection of food adulterants and toxicants â€“ A review. Food Chemistry, 2021, 355, 129547.	8.2	27
8	Reduction of polymer residue on wetâ€“transferred CVD graphene surface by deep UV exposure. Applied Physics Letters, 2017, 110, .	3.3	23
9	Miniaturized Piezo Force Sensor for a Medical Catheter and Implantable Device. ACS Applied Electronic Materials, 2020, 2, 2669-2677.	4.3	23
10	Viscoelastic shear lag model to predict the micromechanical behavior of tendon under dynamic tensile loading. Journal of Theoretical Biology, 2018, 437, 202-213.	1.7	20
11	Detection of Glial Fibrillary Acidic Protein in Patient Plasma Using On-Chip Graphene Field-Effect Biosensors, in Comparison with ELISA and Single-Molecule Array. ACS Sensors, 2022, 7, 253-262.	7.8	20
12	On-chip integrated graphene aptasensor with portable readout for fast and label-free COVID-19 detection in virus transport medium. Sensors & Diagnostics, 2022, 1, 719-730.	3.8	20
13	Deep UV hardening of photoresist for shaping of graphene and lift-off fabrication of back-gated field effect biosensors by ion-milling and sputter deposition. Carbon, 2017, 118, 43-49.	10.3	13
14	Cross-plane conductance through a graphene/molecular monolayer/Au sandwich. Nanoscale, 2018, 10, 19791-19798.	5.6	12
15	A Simple Approach to Preparation of Graphene/Reduced Graphene Oxide/Polyallylamine Electrode and Their Electrocatalysis for Hydrogen Peroxide Reduction. Journal of Nanoscience and Nanotechnology, 2016, 16, 12805-12810.	0.9	10
16	Monitoring amyloid-Î² 42 conformational change using a spray-printed graphene electrode. Electrochemistry Communications, 2021, 123, 106927.	4.7	10
17	Shielding technique for deposition of Au electrical contacts on graphene by sputtering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, .	2.1	7
18	Adsorption dynamics of CVD graphene investigated by a contactless microwave method. 2D Materials, 2018, 5, 035024.	4.4	6

#	Article	IF	Citations
19	Mathematical modelling of microtubule-tau protein transients: Insights into the superior mechanical behavior of axon. Applied Mathematical Modelling, 2019, 71, 452-466.	4.2	6
20	Radioâ€frequency transport Electromagnetic Properties of chemical vapour deposition graphene from direct current to 110 MHz. IET Circuits, Devices and Systems, 2015, 9, 46-51.	1.4	2
21	Graphene gas sensing using a non-contact microwave method. Nanotechnology, 2017, 28, 395501.	2.6	2
22	Eco-friendly aerosol multicoated silicon anodes in lithium-ion batteries. Materials Letters, 2022, 324, 132677.	2.6	2
23	Multicoated composites of nano silicon and graphene nanoplatelets as anodes in Li-ion batteries. Materials Advances, 0, , .	5.4	1
24	Techniques for Production of Large Area Graphene for Electronic and Sensor Device Applications. Graphene and 2D Materials, 2014, 1, .	2.0	0