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List of Publications by Year
in descending order

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Version: 2024-02-01

55 papers	6,140 citations	136740 32 h-index	168136 53 g-index
55 all docs	55 docs citations	55 times ranked	11339 citing authors

#	Article	IF	Citations
1	Graphene glial-interfaces: challenges and perspectives. Nanoscale, 2021, 13, 4390-4407.	2.8	18
2	Lateral dimension and amino-functionalization on the balance to assess the single-cell toxicity of graphene on fifteen immune cell types. NanoImpact, 2021, 23, 100330.	2.4	8
3	The role of charge transfer at reduced graphene oxide/organic semiconductor interface on the charge transport properties. Organic Electronics, 2020, 77, 105499.	1.4	3
4	Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001.	2.0	333
5	Enhancing triboelectric performances of electrospun poly(vinylidene fluoride) with graphene oxide sheets. Graphene Technology, 2020, 5, 49-57.	1.9	5
6	Improved Biocompatibility of Aminoâ€Functionalized Graphene Oxide in Caenorhabditis elegans. Small, 2019, 15, e1902699.	5.2	22
7	Graphene oxideâ€"polysulfone filters for tap water purification, obtained by fast microwave oven treatment. Nanoscale, 2019, 11, 22780-22787.	2.8	21
8	Accurate chemical analysis of oxygenated graphene-based materials using X-ray photoelectron spectroscopy. Carbon, 2019, 143, 268-275.	5.4	183
9	Benchmarking of graphene-based materials: real commercial products versus ideal graphene. 2D Materials, 2019, 6, 025006.	2.0	68
10	Evolution of the size and shape of 2D nanosheets during ultrasonic fragmentation. 2D Materials, 2017, 4, 025017.	2.0	85
11	GO/PEDOT:PSS nanocomposites: effect of different dispersing agents on rheological, thermal, wettability and electrochemical properties. Nanotechnology, 2017, 28, 174001.	1.3	14
12	Cooperative Effect of GO and Glucose on PEDOT:PSS for High V_{OC} and Hysteresisâ€Free Solutionâ€Processed Perovskite Solar Cells. Advanced Functional Materials, 2016, 26, 6985-6994.	7.8	61
13	Soft confinement of water in graphene-oxide membranes. Carbon, 2016, 108, 199-203.	5.4	27
14	Electrochemical Functionalization of Graphene at the Nanoscale with Self-Assembling Diazonium Salts. ACS Nano, 2016, 10, 7125-7134.	7.3	132
15	UV Reduced Graphene Oxide PEDOT:PSS Nanocomposite for Perovskite Solar Cells. IEEE Nanotechnology Magazine, 2016, 15, 725-730.	1.1	19
16	Supramolecular self-assembly of graphene oxide and metal nanoparticles into stacked multilayers by means of a multitasking protein ring. Nanoscale, 2016, 8, 6739-6753.	2.8	24
17	Polymer Nanocomposites based on in situ reduced graphene oxide for photovoltaic applications in innovative hybrid solar cells. , 2015, , .		0
18	Graphene oxide for gas detection under standard humidity conditions. 2D Materials, 2015, 2, 035018.	2.0	46

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19	Electrostatic transparency of graphene oxide sheets. Carbon, 2015, 86, 188-196.	5.4	10
20	Thermal treatment and chemical doping of semi-transparent graphene films. Organic Electronics, 2015, 18, 53-60.	1.4	11
21	Observation of different charge transport regimes and large magnetoresistance in graphene oxide layers. Carbon, 2015, 89, 188-196.	5.4	42
22	Dispersibilityâ€Dependent Biodegradation of Graphene Oxide by Myeloperoxidase. Small, 2015, 11, 3985-3994.	5.2	215
23	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. Nanoscale, 2015, 7, 4598-4810.	2.8	2,452
24	Synergic Exfoliation of Graphene with Organic Molecules and Inorganic Ions for the Electrochemical Production of Flexible Electrodes. ChemPlusChem, 2014, 79, 439-446.	1.3	60
25	Fragmentation and exfoliation of 2-dimensional materials: a statistical approach. Nanoscale, 2014, 6, 5926-5933.	2.8	100
26	Structural reinforcement and failure analysis in composite nanofibers of graphene oxide and gelatin. Carbon, 2014, 78, 566-577.	5.4	81
27	Dose and wavelength dependent study of graphene oxide photoreduction with VUV Synchrotron radiation. Carbon, 2014, 79, 478-485.	5.4	18
28	Playing peekaboo with graphene oxide: a scanning electrochemical microscopy investigation. Chemical Communications, 2014, 50, 13117-13120.	2.2	30
29	Reduction dependent wetting properties of graphene oxide. Carbon, 2014, 77, 473-480.	5.4	49
30	Large Work Function Shift of Gold Induced by a Novel Perfluorinated Azobenzeneâ€Based Selfâ€Assembled Monolayer. Advanced Materials, 2013, 25, 432-436.	11.1	93
31	Evidencing the mask effect of graphene oxide: a comparative study on primary human and murine phagocytic cells. Nanoscale, 2013, 5, 11234.	2.8	166
32	Graphene: The Exfoliation of Graphene in Liquids by Electrochemical, Chemical, and Sonicationâ€Assisted Techniques: A Nanoscale Study (Adv. Funct. Mater. 37/2013). Advanced Functional Materials, 2013, 23, 4756-4756.	7.8	184
33	Use of Optical Contrast To Estimate the Degree of Reduction of Graphene Oxide. Journal of Physical Chemistry C, 2013, 117, 620-625.	1.5	52
34	Nanoscale insight into the exfoliation mechanism of graphene with organic dyes: effect of charge, dipole and molecular structure. Nanoscale, 2013, 5, 4205.	2.8	116
35	The Exfoliation of Graphene in Liquids by Electrochemical, Chemical, and Sonicationâ€Assisted Techniques: A Nanoscale Study. Advanced Functional Materials, 2013, 23, 4684-4693.	7.8	50
36	Graphene Oxide as a Practical Solution to High Sensitivity Gas Sensing. Journal of Physical Chemistry C, 2013, 117, 10683-10690.	1.5	195

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37	Modulation of charge transport properties of reduced graphene oxide by submonolayer physisorption of an organic dye. Organic Electronics, 2013, 14, 1787-1792.	1.4	17
38	Grapheneâ€“organic hybrids as processable, tunable platforms for pH-dependent photoemission, obtained by a new modular approach. Journal of Materials Chemistry, 2012, 22, 18237.	6.7	30
39	Polymeric Micelles Using Pseudoâ€Amphiphilic Block Copolymers. Macromolecular Symposia, 2012, 313-314, 51-58.	0.4	1
40	Large Area Extreme-UV Lithography of Graphene Oxide via Spatially Resolved Photoreduction. Langmuir, 2012, 28, 5489-5495.	1.6	46
41	Enhanced mobility in P3HT-based OTFTs upon blending with a phenyleneâ€“thiopheneâ€“thiopheneâ€“phenylene small molecule. Chemical Communications, 2012, 48, 1562-1564.	2.2	29
42	Improving charge transport in poly(3â€hexylthiophene) transistors via blending with an alkylâ€substituted phenyleneâ€“thiopheneâ€“thiopheneâ€“phenylene molecule. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 642-649.	2.4	6
43	Multicolor, large-area fluorescence sensing through oligothiophene-self-assembled monolayers. Chemical Communications, 2011, 47, 1689-1691.	2.2	51
44	Graphene Transistors via in Situ Voltage-Induced Reduction of Graphene-Oxide under Ambient Conditions. Journal of the American Chemical Society, 2011, 133, 14320-14326.	6.6	55
45	Charge transport in grapheneâ€“polythiophene blends as studied by Kelvin Probe Force Microscopy and transistor characterization. Journal of Materials Chemistry, 2011, 21, 2924.	6.7	127
46	Polymeric micelles using pseudo-amphiphilic block copolymers and their cellular uptake. Journal of Materials Chemistry, 2011, 21, 2555.	6.7	14
47	Nonâ€conventional Processing and Postâ€processing Methods for the Nanostructuring of Conjugated Materials for Organic Electronics. Advanced Functional Materials, 2011, 21, 1279-1295.	7.8	81
48	Selfâ€Complementary Nucleosideâ€Thiophene Hybrid Systems: Synthesis and Supramolecular Organization. Macromolecular Rapid Communications, 2010, 31, 351-355.	2.0	10
49	Facile covalent functionalization of graphene oxide using microwaves: bottom-up development of functional graphitic materials. Journal of Materials Chemistry, 2010, 20, 9052.	6.7	82
50	Local Current Mapping and Patterning of Reduced Graphene Oxide. Journal of the American Chemical Society, 2010, 132, 14130-14136.	6.6	140
51	Solvent vapour annealing of organic thin films: controlling the self-assembly of functional systems across multiple length scales. Journal of Materials Chemistry, 2010, 20, 2493.	6.7	63
52	Large-area bi-component processing of organic semiconductors by spray deposition and spin coating with orthogonal solvents. Applied Physics A: Materials Science and Processing, 2009, 95, 15-20.	1.1	12
53	Temperatureâ€Enhanced Solvent Vapor Annealing of a C₃ Symmetric Hexaâ€periâ€Hexabenzocoronene: Controlling the Selfâ€Assembly from Nanoâ€to Macroscale. Small, 2009, 5, 112-119.	5.2	51
54	The Relationship between Nanoscale Architecture and Charge Transport in Conjugated Nanocrystals Bridged by Multichromophoric Polymers. Journal of the American Chemical Society, 2009, 131, 7055-7063.	6.6	52

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55	High-Contrast Visualization of Graphene Oxide on Dye-Sensitized Glass, Quartz, and Silicon by Fluorescence Quenching. Journal of the American Chemical Society, 2009, 131, 15576-15577.	6.6	280