

Emanuele Treossi

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.

54
papers

5,025
citations

32
h-index

55
g-index

55
ext. papers

5,621
ext. citations

8.4
avg, IF

4.82
L-index

#	Paper	IF	Citations
54	Lateral dimension and amino-functionalization on the balance to assess the single-cell toxicity of graphene on fifteen immune cell types.. <i>NanoImpact</i> , 2021 , 23, 100330	5.6	1
53	Graphene glial-interfaces: challenges and perspectives. <i>Nanoscale</i> , 2021 , 13, 4390-4407	7.7	3
52	Production and processing of graphene and related materials. <i>2D Materials</i> , 2020 , 7, 022001	5.9	179
51	Enhancing triboelectric performances of electrospun poly(vinylidene fluoride) with graphene oxide sheets. <i>Graphene Technology</i> , 2020 , 5, 49-57	1.8	3
50	The role of charge transfer at reduced graphene oxide/organic semiconductor interface on the charge transport properties. <i>Organic Electronics</i> , 2020 , 77, 105499	3.5	2
49	Improved Biocompatibility of Amino-Functionalized Graphene Oxide in <i>Caenorhabditis elegans</i> . <i>Small</i> , 2019 , 15, e1902699	11	16
48	Graphene oxide-polysulfone filters for tap water purification, obtained by fast microwave oven treatment. <i>Nanoscale</i> , 2019 , 11, 22780-22787	7.7	8
47	Accurate chemical analysis of oxygenated graphene-based materials using X-ray photoelectron spectroscopy. <i>Carbon</i> , 2019 , 143, 268-275	10.4	98
46	Benchmarking of graphene-based materials: real commercial products versus ideal graphene. <i>2D Materials</i> , 2019 , 6, 025006	5.9	39
45	Evolution of the size and shape of 2D nanosheets during ultrasonic fragmentation. <i>2D Materials</i> , 2017 , 4, 025017	5.9	68
44	GO/PEDOT:PSS nanocomposites: effect of different dispersing agents on rheological, thermal, wettability and electrochemical properties. <i>Nanotechnology</i> , 2017 , 28, 174001	3.4	11
43	Cooperative Effect of GO and Glucose on PEDOT:PSS for High VOC and Hysteresis-Free Solution-Processed Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2016 , 26, 6985-6994	15.6	55
42	Soft confinement of water in graphene-oxide membranes. <i>Carbon</i> , 2016 , 108, 199-203	10.4	19
41	Electrochemical Functionalization of Graphene at the Nanoscale with Self-Assembling Diazonium Salts. <i>ACS Nano</i> , 2016 , 10, 7125-34	16.7	102
40	UV Reduced Graphene Oxide PEDOT:PSS Nanocomposite for Perovskite Solar Cells. <i>IEEE Nanotechnology Magazine</i> , 2016 , 15, 725-730	2.6	18
39	Supramolecular self-assembly of graphene oxide and metal nanoparticles into stacked multilayers by means of a multitasking protein ring. <i>Nanoscale</i> , 2016 , 8, 6739-53	7.7	22
38	Observation of different charge transport regimes and large magnetoresistance in graphene oxide layers. <i>Carbon</i> , 2015 , 89, 188-196	10.4	35

37	Dispersibility-Dependent Biodegradation of Graphene Oxide by Myeloperoxidase. <i>Small</i> , 2015 , 11, 3985-94	176
36	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <i>Nanoscale</i> , 2015 , 7, 4598-810	7.7 2015
35	Graphene oxide for gas detection under standard humidity conditions. <i>2D Materials</i> , 2015 , 2, 035018	5.9 35
34	Electrostatic transparency of graphene oxide sheets. <i>Carbon</i> , 2015 , 86, 188-196	10.4 9
33	Thermal treatment and chemical doping of semi-transparent graphene films. <i>Organic Electronics</i> , 2015 , 18, 53-60	3.5 9
32	Synergic Exfoliation of Graphene with Organic Molecules and Inorganic Ions for the Electrochemical Production of Flexible Electrodes. <i>ChemPlusChem</i> , 2014 , 79, 439-446	2.8 52
31	Fragmentation and exfoliation of 2-dimensional materials: a statistical approach. <i>Nanoscale</i> , 2014 , 6, 5926-33	7.7 86
30	Structural reinforcement and failure analysis in composite nanofibers of graphene oxide and gelatin. <i>Carbon</i> , 2014 , 78, 566-577	10.4 71
29	Dose and wavelength dependent study of graphene oxide photoreduction with VUV Synchrotron radiation. <i>Carbon</i> , 2014 , 79, 478-485	10.4 17
28	Playing peekaboo with graphene oxide: a scanning electrochemical microscopy investigation. <i>Chemical Communications</i> , 2014 , 50, 13117-20	5.8 26
27	Reduction dependent wetting properties of graphene oxide. <i>Carbon</i> , 2014 , 77, 473-480	10.4 34
26	Large work function shift of gold induced by a novel perfluorinated azobenzene-based self-assembled monolayer. <i>Advanced Materials</i> , 2013 , 25, 432-6	24 81
25	Evidencing the mask effect of graphene oxide: a comparative study on primary human and murine phagocytic cells. <i>Nanoscale</i> , 2013 , 5, 11234-47	7.7 146
24	Graphene: The Exfoliation of Graphene in Liquids by Electrochemical, Chemical, and Sonication-Assisted Techniques: A Nanoscale Study (Adv. Funct. Mater. 37/2013). <i>Advanced Functional Materials</i> , 2013 , 23, 4756-4756	15.6 160
23	Use of Optical Contrast To Estimate the Degree of Reduction of Graphene Oxide. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 620-625	3.8 40
22	Nanoscale insight into the exfoliation mechanism of graphene with organic dyes: effect of charge, dipole and molecular structure. <i>Nanoscale</i> , 2013 , 5, 4205-16	7.7 109
21	The Exfoliation of Graphene in Liquids by Electrochemical, Chemical, and Sonication-Assisted Techniques: A Nanoscale Study. <i>Advanced Functional Materials</i> , 2013 , 23, n/a-n/a	15.6 39
20	Graphene Oxide as a Practical Solution to High Sensitivity Gas Sensing. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 10683-10690	3.8 170

19	Modulation of charge transport properties of reduced graphene oxide by submonolayer physisorption of an organic dye. <i>Organic Electronics</i> , 2013 , 14, 1787-1792	3.5	15
18	Graphene-organic hybrids as processable, tunable platforms for pH-dependent photoemission, obtained by a new modular approach. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18237		27
17	Polymeric Micelles Using Pseudo-Amphiphilic Block Copolymers. <i>Macromolecular Symposia</i> , 2012 , 313-314, 51-58	0.8	
16	Large area extreme-UV lithography of graphene oxide via spatially resolved photoreduction. <i>Langmuir</i> , 2012 , 28, 5489-95	4	40
15	Enhanced mobility in P3HT-based OTFTs upon blending with a phenylene-thiophene-thiophene-phenylene small molecule. <i>Chemical Communications</i> , 2012 , 48, 1562-4	5.8	28
14	Improving charge transport in poly(3-hexylthiophene) transistors via blending with an alkyl-substituted phenylene-thiophene-thiophene-phenylene molecule. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012 , 50, 642-649	2.6	6
13	Graphene transistors via in situ voltage-induced reduction of graphene-oxide under ambient conditions. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14320-6	16.4	50
12	Charge transport in graphene-polythiophene blends as studied by Kelvin Probe Force Microscopy and transistor characterization. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2924		122
11	Polymeric micelles using pseudo-amphiphilic block copolymers and their cellular uptake. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2555		13
10	Non-conventional Processing and Post-processing Methods for the Nanostructuring of Conjugated Materials for Organic Electronics. <i>Advanced Functional Materials</i> , 2011 , 21, 1279-1295	15.6	76
9	Multicolor, large-area fluorescence sensing through oligothiophene-self-assembled monolayers. <i>Chemical Communications</i> , 2011 , 47, 1689-91	5.8	49
8	Facile covalent functionalization of graphene oxide using microwaves: bottom-up development of functional graphitic materials. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9052		74
7	Local current mapping and patterning of reduced graphene oxide. <i>Journal of the American Chemical Society</i> , 2010 , 132, 14130-6	16.4	126
6	Solvent vapour annealing of organic thin films: controlling the self-assembly of functional systems across multiple length scales. <i>Journal of Materials Chemistry</i> , 2010 , 20, 2493		57
5	Self-complementary nucleoside-thiophene hybrid systems: synthesis and supramolecular organization. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 351-5	4.8	10
4	Large-area bi-component processing of organic semiconductors by spray deposition and spin coating with orthogonal solvents. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 95, 15-20	2.6	12
3	Temperature-enhanced solvent vapor annealing of a C ₃ symmetric hexa-peri-hexabenzocoronene: controlling the self-assembly from nano- to macroscale. <i>Small</i> , 2009 , 5, 112-9	11	49
2	The relationship between nanoscale architecture and charge transport in conjugated nanocrystals bridged by multichromophoric Polymers. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7055-63	16.4	50

- 1 High-contrast visualization of graphene oxide on dye-sensitized glass, quartz, and silicon by fluorescence quenching. *Journal of the American Chemical Society*, **2009**, 131, 15576-7 16.4 267