

Vasilios Georgakilas

List of Publications by Citations

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44
papers

9,736
citations

18
h-index

47
g-index

47
ext. papers

10,633
ext. citations

11.2
avg, IF

6.11
L-index

#	Paper	IF	Citations
44	Functionalization of graphene: covalent and non-covalent approaches, derivatives and applications. <i>Chemical Reviews</i> , 2012 , 112, 6156-214	68.1	3041
43	Noncovalent Functionalization of Graphene and Graphene Oxide for Energy Materials, Biosensing, Catalytic, and Biomedical Applications. <i>Chemical Reviews</i> , 2016 , 116, 5464-519	68.1	1546
42	Broad family of carbon nanoallotropes: classification, chemistry, and applications of fullerenes, carbon dots, nanotubes, graphene, nanodiamonds, and combined superstructures. <i>Chemical Reviews</i> , 2015 , 115, 4744-822	68.1	1137
41	Organic functionalization of carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2002 , 124, 760-16.4	16.4	1062
40	Photoluminescent Carbogenic Dots. <i>Chemistry of Materials</i> , 2008 , 20, 4539-4541	9.6	525
39	Soluble carbon nanotubes. <i>Chemistry - A European Journal</i> , 2003 , 9, 4000-8	4.8	502
38	Liquid-phase exfoliation of graphite towards solubilized graphenes. <i>Small</i> , 2009 , 5, 1841-5	11	460
37	Organic functionalisation of graphenes. <i>Chemical Communications</i> , 2010 , 46, 1766-8	5.8	235
36	Multipurpose organically modified carbon nanotubes: from functionalization to nanotube composites. <i>Journal of the American Chemical Society</i> , 2008 , 130, 8733-40	16.4	197
35	Supramolecular self-assembled fullerene nanostructures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 5075-80	11.5	176
34	Nanoscale organization of a phthalocyanine-fullerene system: remarkable stabilization of charges in photoactive 1-D nanotubules. <i>Journal of the American Chemical Society</i> , 2005 , 127, 5811-3	16.4	137
33	Novel versatile fullerene synthons. <i>Journal of Organic Chemistry</i> , 2001 , 66, 4915-20	4.2	122
32	Synthesis, Characterization and Aspects of Superhydrophobic Functionalized Carbon Nanotubes. <i>Chemistry of Materials</i> , 2008 , 20, 2884-2886	9.6	100
31	Cyanographene and Graphene Acid: Emerging Derivatives Enabling High-Yield and Selective Functionalization of Graphene. <i>ACS Nano</i> , 2017 , 11, 2982-2991	16.7	99
30	Organic functionalization and optical properties of carbon onions. <i>Journal of the American Chemical Society</i> , 2003 , 125, 14268-9	16.4	82
29	Hydrophilic Nanotube Supported Graphene/Water Dispersible Carbon Superstructure with Excellent Conductivity. <i>Advanced Functional Materials</i> , 2015 , 25, 1481-1487	15.6	56
28	Interfacial polymerization of conductive polymers: Generation of polymeric nanostructures in a 2-D space. <i>Advances in Colloid and Interface Science</i> , 2015 , 224, 46-61	14.3	42

27	Successful entrapment of carbon dots within flexible free-standing transparent mesoporous organic-inorganic silica hybrid films for photonic applications. <i>Journal of Physics and Chemistry of Solids</i> , 2017 , 103, 190-196	3.9	26
26	Efficient defect healing and ultralow sheet resistance of laser-assisted reduced graphene oxide at ambient conditions. <i>Carbon</i> , 2018 , 139, 492-499	10.4	16
25	Solid phase extraction for the purification of violet, blue, green and yellow emitting carbon dots. <i>Nanoscale</i> , 2018 , 10, 11293-11296	7.7	16
24	Highly Conductive Water-Based Polymer/Graphene Nanocomposites for Printed Electronics. <i>Chemistry - A European Journal</i> , 2017 , 23, 8268-8274	4.8	15
23	Tuning the dispersibility of carbon nanostructures from organophilic to hydrophilic: towards the preparation of new multipurpose carbon-based hybrids. <i>Chemistry - A European Journal</i> , 2013 , 19, 12884-12891	4.8	15
22	The Role of Diamines in the Formation of Graphene Aerogels. <i>Frontiers in Materials</i> , 2018 , 5,	4	14
21	Graphene nanobuds: Synthesis and selective organic derivatisation. <i>Carbon</i> , 2016 , 110, 51-55	10.4	13
20	Layer-by-Layer Assembly of Clay-Carbon Nanotube Hybrid Superstructures. <i>ACS Omega</i> , 2019 , 4, 18100-18107	9.9	10
19	Remarkable enhancement of the electrical conductivity of carbon nanostructured thin films after compression. <i>Nanoscale</i> , 2016 , 8, 11413-7	7.7	10
18	Simultaneous reduction and surface functionalization of graphene oxide for highly conductive and water dispersible graphene derivatives. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	10
17	Highly conductive functionalized reduced graphene oxide. <i>Surfaces and Interfaces</i> , 2019 , 16, 152-156	4.1	9
16	Fullerol-graphene nanobuds: Novel water dispersible and highly conductive nanocarbon for electrochemical sensing. <i>Applied Materials Today</i> , 2017 , 9, 71-76	6.6	8
15	Highly dispersible disk-like graphene nanoflakes. <i>Nanoscale</i> , 2015 , 7, 15059-64	7.7	8
14	Encapsulation and protection of carbon dots within MCM-41 material. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 82, 795-800	2.3	6
13	Condensed Clustered Iron Oxides for Ultrahigh Photothermal Conversion and Multimodal Imaging. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 29247-29256	9.5	6
12	Interfacial Asymmetric Post-Functionalization of Graphene: Amphiphilic Graphene Derivatives Self-Assembled to 3D Superstructures. <i>Chemistry - A European Journal</i> , 2018 , 24, 17356-17360	4.8	6
11	Self-assembly of one-side-functionalized graphene nanosheets in bilayered superstructures for drug delivery. <i>Journal of Materials Science</i> , 2018 , 53, 11167-11175	4.3	5
10	Fluorescent Carbon Dots Ink for Gravure Printing. <i>Journal of Carbon Research</i> , 2019 , 5, 12	3.3	4

9	A Guide for Using Transmission Electron Microscopy for Studying the Radiosensitizing Effects of Gold Nanoparticles In Vitro. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
8	Graphene Aerogel Growth on Functionalized Carbon Fibers. <i>Molecules</i> , 2020 , 25,	4.8	3
7	Graphene Aerogel Modified Carbon Paper as Anode for Lithium-Ion Batteries. <i>ChemistrySelect</i> , 2020 , 5, 2719-2724	1.8	3
6	Advancing the boundaries of the covalent functionalization of graphene oxide. <i>Surfaces and Interfaces</i> , 2021 , 26, 101320	4.1	3
5	Solid phase functionalization of MWNTs: an eco-friendly approach for carbon-based conductive inks. <i>Green Chemistry</i> , 2021 , 23, 5442-5448	10	3
4	Sulfur-doped graphene aerogels reinforced with carbon fibers as electrode materials. <i>Journal of Materials Science</i> , 2020 , 55, 9676-9685	4.3	2
3	UV-Cured Poly(Ethylene Glycol) Diacrylate/Carbon Nanostructure Thin Films. Preparation, Characterization, and Electrical Properties. <i>Journal of Composites Science</i> , 2020 , 4, 4	3	2
2	Self-assembled Janus graphene nanostructures with high camptothecin loading for increased cytotoxicity to cancer cells. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 102971	4.5	0
1	Transparent conductive film of polyvinyl alcohol: reduced graphene oxide composite. <i>Journal of Materials Science</i> , 2021 , 56, 17028-17039	4.3	0