Cristina E Giusca

List of Publications by Year
in descending order

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29 papers	944 citations	430874 18 h-index	526287 27 g-index
29 all docs	29 docs citations	29 times ranked	2305 citing authors

#	Article	IF	Citations
1	Ambipolar charge transport in quasi-free-standing monolayer graphene on SiC obtained by gold intercalation. Physical Review B, 2020, 102, .	3.2	9
2	Contactless probing of graphene charge density variation in a controlled humidity environment. Carbon, 2020, 163, 408-416.	10.3	1
3	Nanoscale mapping of quasiparticle band alignment. Nature Communications, 2019, 10, 3283.	12.8	20
4	Probing exciton species in atomically thin WS₂â€“graphene heterostructures. JPhys Materials, 2019, 2, 025001.	4.2	5
5	Role of substrate on interaction of water molecules with graphene oxide and reduced graphene oxide. Carbon, 2017, 122, 168-175.	10.3	16
6	Excitonic Effects in Tungsten Disulfide Monolayers on Two-Layer Graphene. ACS Nano, 2016, 10, 7840-7846.	14.6	39
7	Atmospheric doping effects in epitaxial graphene: correlation of local and global electrical studies. 2D Materials, 2016, 3, 015006.	4.4	43
8	Effects of humidity on the electronic properties of graphene prepared by chemical vapour deposition. Carbon, 2016, 103, 273-280.	10.3	53
9	Water Affinity to Epitaxial Graphene: The Impact of Layer Thickness. Advanced Materials Interfaces, 2015, 2, 1500252.	3.7	28
10	Carrier type inversion in quasi-free standing graphene: studies of local electronic and structural properties. Scientific Reports, 2015, 5, 10505.	3.3	47
11	Electrostatic transparency of graphene oxide sheets. Carbon, 2015, 86, 188-196.	10.3	10
12	Structural, optical and electrostatic properties of single and few-layers MoS ₂ : effect of substrate. 2D Materials, 2015, 2, 015005.	4.4	80
13	Thickness-Dependent Hydrophobicity of Epitaxial Graphene. ACS Nano, 2015, 9, 8401-8411.	14.6	121
14	Local electric field screening in bi-layer graphene devices. Frontiers in Physics, 2014, 2, .	2.1	20
15	Exploring graphene formation on the C-terminated face of SiC by structural, chemical and electrical methods. Carbon, 2014, 69, 221-229.	10.3	21
16	Confined Crystals of the Smallest Phase-Change Material. Nano Letters, 2013, 13, 4020-4027.	9.1	73
17	Evidence for a New Twoâ€Dimensional C₄Hâ€Type Polymer Based on Hydrogenated Graphene. Advanced Materials, 2011, 23, 4497-4503.	21.0	90
18	Lithium monolayers on single crystal C(100) oxygen-terminated diamond. Materials Research Society Symposia Proceedings, 2011, 1282, 169.	0.1	5

#	Article	IF	Citations
19	Uptake and Release of Doubleâ€Walled Carbon Nanotubes by Mammalian Cells. Advanced Functional Materials, 2010, 20, 3272-3279.	14.9	47
20	Influence of Structural Defects on the Electronic Properties of Carbon Nanotubes Examined by Scanning Tunnelling Microscopy. Materials Research Society Symposia Proceedings, 2010, 1258, 1.	0.1	0
21	From Stems (and Stars) to Roses: Shape-Controlled Synthesis of Zinc Oxide Crystals. Crystal Growth and Design, 2009, 9, 3432-3437.	3.0	25
22	Capillary filling of singleâ€walled carbon nanotubes with ferrocene in an organic solvent. Physica Status Solidi (B): Basic Research, 2008, 245, 1983-1985.	1.5	15
23	Registry-Induced Electronic Superstructure in Double-Walled Carbon Nanotubes, Associated with the Interaction between Two Graphene-Like Monolayers. ACS Nano, 2008, 2, 2113-2120.	14.6	10
24	Evidence for Metal-Semiconductor Transitions in Twisted and Collapsed Double-Walled Carbon Nanotubes by Scanning Tunneling Microscopy. Nano Letters, 2008, 8, 3350-3356.	9.1	46
25	INTER-LAYER INTERACTION IN DOUBLE-WALLED CARBON NANOTUBES EVIDENCED BY SCANNING TUNNELING MICROSCOPY AND SPECTROSCOPY. Nano, 2008, 03, 65-73.	1.0	4
26	Atomic and electronic structure in collapsed carbon nanotubes evidenced by scanning tunneling microscopy. Physical Review B, 2007, 76, .	3.2	33
27	A PbS nanocrystal-C60 photovoltaic device for infrared light harvesting. Applied Physics Letters, 2007, 91, 133506.	3.3	49
28	Inner-Tube Chirality Determination for Double-Walled Carbon Nanotubes by Scanning Tunneling Microscopy. Nano Letters, 2007, 7, 1232-1239.	9.1	31
29	Probing Nanoscale Schottky Barrier Characteristics at WSe ₂ /Graphene Heterostructures via Electrostatic Doping. Advanced Electronic Materials, 0, , 2200196.	5.1	3