Irene Calizo

List of Publications by Year
in descending order

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22 papers	16,457 citations	535685 17 h-index	759306 22 g-index
22 all docs	22 docs citations	22 times ranked	24131 citing authors

#	Article	IF	Citations
1	Band gap opening and optical absorption enhancement in graphene using ZnO nanocluster. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1171-1175.	0.9	16
2	Lithium-functionalized germanene: A promising media for CO 2 capture. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 334-338.	0.9	17
3	DFT study of adsorption behavior of NO, CO, NO2, and NH3 molecules on graphene-like BC3: A search for highly sensitive molecular sensor. Applied Surface Science, 2018, 427, 326-333.	3.1	208
4	Edge functionalized germanene nanoribbons: impact on electronic and magnetic properties. RSC Advances, 2017, 7, 18900-18908.	1.7	55
5	Doping and defect-induced germanene: A superior media for sensing H 2 S, SO 2, and CO 2 gas molecules. Surface Science, 2017, 665, 96-102.	0.8	76
6	Emergence of strong ferromagnetism in silicene nanoflakes via patterned hydrogenation and its potential application in spintronics. Computational Materials Science, 2017, 138, 204-212.	1.4	7
7	Structural Stability of Functionalized Silicene Nanoribbons with Normal, Reconstructed, and Hybrid Edges. Journal of Nanomaterials, 2016, 2016, 1-8.	1.5	6
8	Density Functional Theory Study on Energy Band Gap of Armchair Silicene Nanoribbons with Periodic Nanoholes. MRS Advances, 2016, 1, 1613-1618.	0.5	5
9	A theoretical study of gas adsorption on silicene nanoribbons and its application in a highly sensitive molecule sensor. RSC Advances, 2016, 6, 94417-94428.	1.7	94
10	Edge functionalization and doping effects on the stability, electronic and magnetic properties of silicene nanoribbons. RSC Advances, 2016, 6, 17046-17058.	1.7	41
11	Band gap tuning of armchair silicene nanoribbons using periodic hexagonal holes. Journal of Applied Physics, 2015, 118, .	1.1	58
12	Carbon scrolls from chemical vapor deposition grown graphene. Carbon, 2014, 76, 257-265.	5.4	18
13	Toward Clean and Crackless Transfer of Graphene. ACS Nano, 2011, 5, 9144-9153.	7.3	701
14	Evolution of microscopic localization in graphene in a magnetic field from scattering resonances to quantum dots. Nature Physics, 2011, 7, 245-251.	6.5	122
15	A highly practical route for large-area, single layer graphene from liquid carbon sources such as benzene and methanol. Journal of Materials Chemistry, 2011, 21, 16057.	6.7	44
16	Raman nanometrology of graphene: Temperature and substrate effects. Solid State Communications, 2009, 149, 1132-1135.	0.9	115
17	Superior Thermal Conductivity of Single-Layer Graphene. Nano Letters, 2008, 8, 902-907.	4.5	11,726
18	Properties of graphene produced by the high pressureâ€“high temperature growth process. Micro and Nano Letters, 2008, 3, 29.	0.6	56

#	Article	IF	Citations
19	Extremely high thermal conductivity of graphene: Prospects for thermal management applications in nanoelectronic circuits. Applied Physics Letters, 2008, 92, .	1.5	1,745
20	The effect of substrates on the Raman spectrum of graphene: Graphene- on-sapphire and graphene-on-glass. Applied Physics Letters, 2007, 91, 201904.	1.5	213
21	Temperature Dependence of the Raman Spectra of Graphene and Graphene Multilayers. Nano Letters, 2007, 7, 2645-2649.	4.5	1,057
22	Thermal conduction in nanocrystalline diamond films: Effects of the grain boundary scattering and nitrogen doping. Applied Physics Letters, 2006, 89, 171915.	1.5	77