

Jayakumar Balakrishnan

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

9,072
citations

759233

12
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

14348
citing authors

#	ARTICLE	IF	CITATIONS
1	Roll-to-roll production of 30-inch graphene films for transparent electrodes. Nature Nanotechnology, 2010, 5, 574-578.	31.5	7,294
2	Spin-orbit proximity effect in graphene. Nature Communications, 2014, 5, 4875.	12.8	431
3	Colossal enhancement of spin-orbit coupling in weakly hydrogenated graphene. Nature Physics, 2013, 9, 284-287.	16.7	384
4	Observation of Long Spin-Relaxation Times in Bilayer Graphene at Room Temperature. Physical Review Letters, 2011, 107, 047206.	7.8	235
5	Toward Wafer Scale Fabrication of Graphene Based Spin Valve Devices. Nano Letters, 2011, 11, 2363-2368.	9.1	214
6	Giant spin Hall effect in graphene grown by chemical vapour deposition. Nature Communications, 2014, 5, 4748.	12.8	179
7	A Low-Cost Non-explosive Synthesis of Graphene Oxide for Scalable Applications. Scientific Reports, 2018, 8, 12007.	3.3	104
8	Bubble-Free™ Electrochemical Delamination of CVD Graphene Films. Small, 2015, 11, 189-194.	10.0	85
9	Electronic transport in graphene-based heterostructures. Applied Physics Letters, 2014, 104, .	3.3	61
10	Unconventional Transport through Graphene on SrTiO3: A Plausible Effect of SrTiO3 Phase-Transitions. Scientific Reports, 2014, 4, 6173.	3.3	27
11	Structural and resistive switching behaviour in lanthanum strontium manganite - Reduced graphene oxide nanocomposite system. Journal of Alloys and Compounds, 2020, 815, 152213.	5.5	20
12	Au concentration-dependent quenching of Raman 2D peak in graphene. Journal of Raman Spectroscopy, 2017, 48, 586-591.	2.5	15
13	Dye Adsorption Behavior of Graphene Oxide. Materials Today: Proceedings, 2019, 11, 833-836.	1.8	12
14	Investigating the thermal transport in gold decorated graphene by opto-thermal Raman technique. Nanotechnology, 2022, 33, 135706.	2.6	4
15	Graphene Oxide Based P-N Junctions. Materials Today: Proceedings, 2019, 11, 830-832.	1.8	3
16	Free standing graphene oxide film for hydrogen peroxide sensing. AIP Conference Proceedings, 2018, , .	0.4	1
17	Graphene oxide and its derivatives as potential Ovchinnikov ferromagnets. Journal of Physics Condensed Matter, 2021, 33, 375801.	1.8	1