

# Jayakumar Balakrishnan

## List of Publications by Year in descending order

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17  
papers

9,072  
citations

759055

12  
h-index

839398

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

14348  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating the thermal transport in gold decorated graphene by opto-thermal Raman technique. Nanotechnology, 2022, 33, 135706.	1.3	4
2	Graphene oxide and its derivatives as potential Ovchinnikov ferromagnets. Journal of Physics Condensed Matter, 2021, 33, 375801.	0.7	1
3	Structural and resistive switching behaviour in lanthanum strontium manganite - Reduced graphene oxide nanocomposite system. Journal of Alloys and Compounds, 2020, 815, 152213.	2.8	20
4	Graphene Oxide Based P-N Junctions. Materials Today: Proceedings, 2019, 11, 830-832.	0.9	3
5	Dye Adsorption Behavior of Graphene Oxide. Materials Today: Proceedings, 2019, 11, 833-836.	0.9	12
6	A Low-Cost Non-explosive Synthesis of Graphene Oxide for Scalable Applications. Scientific Reports, 2018, 8, 12007.	1.6	104
7	Free standing graphene oxide film for hydrogen peroxide sensing. AIP Conference Proceedings, 2018, , .	0.3	1
8	Au concentration-dependent quenching of Raman 2D peak in graphene. Journal of Raman Spectroscopy, 2017, 48, 586-591.	1.2	15
9	“Bubble-Free”™ Electrochemical Delamination of CVD Graphene Films. Small, 2015, 11, 189-194.	5.2	85
10	Electronic transport in graphene-based heterostructures. Applied Physics Letters, 2014, 104, .	1.5	61
11	Giant spin Hall effect in graphene grown by chemical vapour deposition. Nature Communications, 2014, 5, 4748.	5.8	179
12	Spin-orbit proximity effect in graphene. Nature Communications, 2014, 5, 4875.	5.8	431
13	Unconventional Transport through Graphene on SrTiO3: A Plausible Effect of SrTiO3 Phase-Transitions. Scientific Reports, 2014, 4, 6173.	1.6	27
14	Colossal enhancement of spin-orbit coupling in weakly hydrogenated graphene. Nature Physics, 2013, 9, 284-287.	6.5	384
15	Observation of Long Spin-Relaxation Times in Bilayer Graphene at Room Temperature. Physical Review Letters, 2011, 107, 047206.	2.9	235
16	Toward Wafer Scale Fabrication of Graphene Based Spin Valve Devices. Nano Letters, 2011, 11, 2363-2368.	4.5	214
17	Roll-to-roll production of 30-inch graphene films for transparent electrodes. Nature Nanotechnology, 2010, 5, 574-578.	15.6	7,294