

# Jayakumar Balakrishnan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6233825/publications.pdf>

Version: 2024-02-01

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