

Rahul R Nair

List of Publications by Citations

Source: <https://exaly.com/author-pdf/10410248/rahul-r-nair-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15
papers

4,623
citations

11
h-index

15
g-index

15
ext. papers

5,126
ext. citations

13.3
avg, IF

4.75
L-index

#	Paper	IF	Citations
15	Graphene-based liquid crystal device. <i>Nano Letters</i> , 2008 , 8, 1704-8	11.5	1319
14	Fluorographene: a two-dimensional counterpart of Teflon. <i>Small</i> , 2010 , 6, 2877-84	11	979
13	Tunable sieving of ions using graphene oxide membranes. <i>Nature Nanotechnology</i> , 2017 , 12, 546-550	28.7	960
12	Macroscopic graphene membranes and their extraordinary stiffness. <i>Nano Letters</i> , 2008 , 8, 2442-6	11.5	528
11	Raman spectroscopy of graphene and bilayer under biaxial strain: bubbles and balloons. <i>Nano Letters</i> , 2012 , 12, 617-21	11.5	361
10	Thermal conductivity of graphene in corbino membrane geometry. <i>ACS Nano</i> , 2010 , 4, 1889-92	16.7	296
9	Non-invasive transmission electron microscopy of vacancy defects in graphene produced by ion irradiation. <i>Nanoscale</i> , 2014 , 6, 6569-76	7.7	45
8	2D Crystals Significantly Enhance the Performance of a Working Fuel Cell. <i>Advanced Energy Materials</i> , 2017 , 7, 1601216	21.8	41
7	Atomically resolved imaging of highly ordered alternating fluorinated graphene. <i>Nature Communications</i> , 2014 , 5, 4902	17.4	37
6	Two-Dimensional Covalent Crystals by Chemical Conversion of Thin van der Waals Materials. <i>Nano Letters</i> , 2019 , 19, 6475-6481	11.5	26
5	Photorefractive performances of a graphene-doped PATPD/7-DCST/ECZ composite. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 7639-7647	7.1	20
4	Self-Limiting Growth of Two-Dimensional Palladium between Graphene Oxide Layers. <i>Nano Letters</i> , 2019 , 19, 4678-4683	11.5	7
3	Electric-field-induced emergent electrical connectivity in graphene oxide. <i>Physical Review B</i> , 2019 , 99,	3.3	2
2	Reply to: Random interstratification in hydrated graphene oxide membranes and implications for seawater desalination.. <i>Nature Nanotechnology</i> , 2022 ,	28.7	2
1	Ultra-thin structures of manganese fluorides: conversion from manganese dichalcogenides by fluorination. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 10218-10224	3.6	0