

Rahul R Nair

List of Publications by Year in Descending Order

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