

Rahul R Nair

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

5,560
citations

758635

12
h-index

996533

15
g-index

15
all docs

15
docs citations

15
times ranked

9274
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene-Based Liquid Crystal Device. Nano Letters, 2008, 8, 1704-1708.	4.5	1,441
2	Tunable sieving of ions using graphene oxide membranes. Nature Nanotechnology, 2017, 12, 546-550.	15.6	1,364
3	Fluorographene: A Two-Dimensional Counterpart of Teflon. Small, 2010, 6, 2877-2884.	5.2	1,146
4	Macroscopic Graphene Membranes and Their Extraordinary Stiffness. Nano Letters, 2008, 8, 2442-2446.	4.5	607
5	Raman Spectroscopy of Graphene and Bilayer under Biaxial Strain: Bubbles and Balloons. Nano Letters, 2012, 12, 617-621.	4.5	431
6	Thermal Conductivity of Graphene in Corbino Membrane Geometry. ACS Nano, 2010, 4, 1889-1892.	7.3	349
7	2D Crystals Significantly Enhance the Performance of a Working Fuel Cell. Advanced Energy Materials, 2017, 7, 1601216.	10.2	53
8	Non-invasive transmission electron microscopy of vacancy defects in graphene produced by ion irradiation. Nanoscale, 2014, 6, 6569.	2.8	48
9	Atomically resolved imaging of highly ordered alternating fluorinated graphene. Nature Communications, 2014, 5, 4902.	5.8	42
10	Two-Dimensional Covalent Crystals by Chemical Conversion of Thin van der Waals Materials. Nano Letters, 2019, 19, 6475-6481.	4.5	32
11	Photorefractive performances of a graphene-doped PATPD/7-DCST/ECZ composite. Journal of Materials Chemistry C, 2014, 2, 7639-7647.	2.7	20
12	Self-Limiting Growth of Two-Dimensional Palladium between Graphene Oxide Layers. Nano Letters, 2019, 19, 4678-4683.	4.5	18
13	Reply to: Random interstratification in hydrated graphene oxide membranes and implications for seawater desalination. Nature Nanotechnology, 2022, 17, 134-135.	15.6	5
14	Electric-field-induced emergent electrical connectivity in graphene oxide. Physical Review B, 2019, 99, .	1.1	3
15	Ultra-thin structures of manganese fluorides: conversion from manganese dichalcogenides by fluorination. Physical Chemistry Chemical Physics, 2021, 23, 10218-10224.	1.3	1