

Sajid Ali

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,422
citations

567281

15
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

1492
citing authors

#	ARTICLE	IF	CITATIONS
1	Coprecipitation synthesis and microstructure characterization of nanocomposite SrCr2O4/MXene. Materials Science in Semiconductor Processing, 2022, 140, 106407.	4.0	9
2	Quantum point defects in 2D materials - the QPOD database. Npj Computational Materials, 2022, 8, .	8.7	30
3	Fluorinated hexagonal boron nitride as a spacer with silver nanorods for surface enhanced Raman spectroscopy analysis. Ceramics International, 2021, 47, 6528-6534.	4.8	6
4	Controlled generation of luminescent centers in hexagonal boron nitride by irradiation engineering. Science Advances, 2021, 7, .	10.3	51
5	Visible-light driven photo-catalytic performance of novel composite of TiO2 and fluorinated hexagonal boron nitride nanosheets. Ceramics International, 2021, 47, 10089-10095.	4.8	11
6	Recent progress of the Computational 2D Materials Database (C2DB). 2D Materials, 2021, 8, 044002.	4.4	218
7	Synthesis and characterization of MXene/ BiCr2O4 nanocomposite with excellent electrochemical properties. Journal of Materials Research and Technology, 2021, 15, 2007-2015.	5.8	21
8	Synthesis and characterization of graphene oxide-based nanocomposite NaCr2O4 /GO for electrochemical applications. Journal of Materials Research and Technology, 2021, 15, 6287-6294.	5.8	14
9	Cheap, reliable, reusable, thermally and chemically stable fluorinated hexagonal boron nitride nanosheets coated Au nanoparticles substrate for surface enhanced Raman spectroscopy. Sensors and Actuators B: Chemical, 2020, 304, 127394.	7.8	21
10	Single-photon emitters in hexagonal boron nitride: a review of progress. Reports on Progress in Physics, 2020, 83, 044501.	20.1	104
11	Theoretical spectroscopy of the V_N defect in hexagonal boron nitride	3.2	17
12	Edge effects on optically detected magnetic resonance of vacancy defects in hexagonal boron nitride. Communications Physics, 2020, 3, .	5.3	28
13	$V_N C_B$ defect as source of single photon emission from hexagonal boron nitride. 2D Materials, 2020, 7, 031007.	4.4	52
14	A novel mechano-chemical synthesis route for fluorination of hexagonal boron nitride nanosheets. Ceramics International, 2019, 45, 19173-19181.	4.8	21
15	Defect states in hexagonal boron nitride: Assignments of observed properties and prediction of properties relevant to quantum computation. Physical Review B, 2018, 97, .	3.2	125
16	Understanding and Calibrating Density-Functional-Theory Calculations Describing the Energy and Spectroscopy of Defect Sites in Hexagonal Boron Nitride. Journal of Chemical Theory and Computation, 2018, 14, 1602-1613.	5.3	69
17	Single photon emission from plasma treated 2D hexagonal boron nitride. Nanoscale, 2018, 10, 7957-7965.	5.6	107
18	Tunable and high-purity room temperature single-photon emission from atomic defects in hexagonal boron nitride. Nature Communications, 2017, 8, 705.	12.8	351

#	ARTICLE	IF	CITATIONS
19	First-principles investigation of quantum emission from hBN defects. <i>Nanoscale</i> , 2017, 9, 13575-13582.	5.6	167