

Soufiane Karrakchou

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

82
citations

1307366

7
h-index

1588896

8
g-index

10
all docs

10
docs citations

10
times ranked

69
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural Boron and ^{10}B -Enriched Hexagonal Boron Nitride for High-Sensitivity Self-Biased Metal-Semiconductor-Metal Neutron Detectors. ACS Omega, 2022, 7, 804-809.	1.6	6
2	Monolithic Free-Standing Large-Area Vertical III-N Light-Emitting Diode Arrays by One-Step h-BN-Based Thermomechanical Self-Lift-Off and Transfer. ACS Applied Electronic Materials, 2021, 3, 2614-2621.	2.0	8
3	MOVPE of GaN-based mixed dimensional heterostructures on wafer-scale layered 2D hexagonal boron nitride—A key enabler of III-nitride flexible optoelectronics. APL Materials, 2021, 9, .	2.2	9
4	Towards P-Type Conduction in Hexagonal Boron Nitride: Doping Study and Electrical Measurements Analysis of hBN/AlGaN Heterojunctions. Nanomaterials, 2021, 11, 211.	1.9	14
5	Control of the Mechanical Adhesion of III-V Materials Grown on Layered h-BN. ACS Applied Materials & Interfaces, 2020, 12, 55460-55466.	4.0	14
6	Effectiveness of selective area growth using van der Waals h-BN layer for crack-free transfer of large-size III-N devices onto arbitrary substrates. Scientific Reports, 2020, 10, 21709.	1.6	12
7	Heterogeneous Integration: Novel Scalable Transfer Approach for Discrete III-Nitride Devices Using Wafer-Scale Patterned h-BN/Sapphire Substrate for Pick-and-Place Applications (Adv. Mater. Technol.) Tj ETOP 1 0.784314 rg BT	1.0	1
8	Nanopyramid-based absorber to boost the efficiency of InGaN solar cells. Solar Energy, 2019, 190, 93-103.	2.9	7
9	Novel Scalable Transfer Approach for Discrete III-Nitride Devices Using Wafer-Scale Patterned h-BN/Sapphire Substrate for Pick-and-Place Applications. Advanced Materials Technologies, 2019, 4, 1900164.	3.0	10
10	Investigation of Sc ₂ O ₃ Based All-Solid-State EIS Structure for AlGaIn/GaN HEMT pH Sensor. , 2019, , .		2