

Guru Prakash Neupane

List of Publications by Year in descending order

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12
papers

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758635

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708
citing authors

#	ARTICLE	IF	CITATIONS
1	2D Materials and Heterostructures at Extreme Pressure. <i>Advanced Science</i> , 2020, 7, 2002697.	5.6	68
2	2D Materials Based on Main Group Element Compounds: Phases, Synthesis, Characterization, and Applications. <i>Advanced Functional Materials</i> , 2020, 30, 2001127.	7.8	58
3	Tunneling Photocurrent Assisted by Interlayer Excitons in Staggered van der Waals Hetero-Bilayers. <i>Advanced Materials</i> , 2017, 29, 1701512.	11.1	51
4	In-Plane Isotropic/Anisotropic 2D van der Waals Heterostructures for Future Devices. <i>Small</i> , 2019, 15, e1804733.	5.2	46
5	2D organic semiconductors, the future of green nanotechnology. <i>Nano Materials Science</i> , 2019, 1, 246-259.	3.9	45
6	Quantifying Quasi-Fermi Level Splitting and Mapping its Heterogeneity in Atomically Thin Transition Metal Dichalcogenides. <i>Advanced Materials</i> , 2019, 31, e1900522.	11.1	34
7	A prospective future towards bio/medical technology and bioelectronics based on 2D vdWs heterostructures. <i>Nano Research</i> , 2020, 13, 1-17.	5.8	34
8	Modulated interlayer charge transfer dynamics in a monolayer TMD/metal junction. <i>Nanoscale</i> , 2019, 11, 418-425.	2.8	33
9	Emission Control from Transition Metal Dichalcogenide Monolayers by Aggregation-Induced Molecular Rotors. <i>ACS Nano</i> , 2020, 14, 7444-7453.	7.3	23
10	Highly Enhanced Light-Matter Interaction in MXene Quantum Dots-Monolayer WS ₂ Heterostructure. <i>Small</i> , 2021, 17, e2006309.	5.2	22
11	Towards future physics and applications via two-dimensional material NEMS resonators. <i>Nanoscale</i> , 2020, 12, 22366-22385.	2.8	15
12	Solar Cells: Quantifying Quasi-Fermi Level Splitting and Mapping its Heterogeneity in Atomically Thin Transition Metal Dichalcogenides (Adv. Mater. 25/2019). <i>Advanced Materials</i> , 2019, 31, 1970180.	11.1	2