

Kartikey Thakar

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

563
citations

1162367

8
h-index

1281420

11
g-index

14
all docs

14
docs citations

14
times ranked

896
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced responsivity and detectivity of fast WSe ₂ phototransistor using electrostatically tunable in-plane lateral p-n homojunction. Nature Communications, 2021, 12, 3336.	5.8	63
2	Multi-Bit Analog Transmission Enabled by Electrostatically Reconfigurable Ambipolar and Anti-Ambipolar Transport. ACS Nano, 2021, 15, 19692-19701.	7.3	10
3	Optoelectronic and photonic devices based on transition metal dichalcogenides. Materials Research Express, 2020, 7, 014002.	0.8	64
4	Near-Direct Bandgap WSe ₂ /ReS ₂ Type-II pn Heterojunction for Enhanced Ultrafast Photodetection and High-Performance Photovoltaics. Nano Letters, 2020, 20, 1707-1717.	4.5	162
5	Polymorphic In-Plane Heterostructures of Monolayer WS ₂ for Light-Triggered Field-Effect Transistors. ACS Applied Nano Materials, 2020, 3, 3750-3759.	2.4	5
6	Selective Oxidation of WS ₂ Defect Domain with Sub-Monolayer Thickness Leads to Multifold Enhancement in Photoluminescence. Advanced Materials Interfaces, 2019, 6, 1900962.	1.9	6
7	Enhanced n-type $\text{In}^2\text{-Ga}_2\text{O}_3(2 \times 1)$ gate stack performance using Al ₂ O ₃ /SiO ₂ bi-layer dielectric. Applied Physics Letters, 2019, 114, .	1.5	26
8	Multilayer ReS ₂ Photodetectors with Gate Tunability for High Responsivity and High-Speed Applications. ACS Applied Materials & Interfaces, 2018, 10, 36512-36522.	4.0	86
9	WSe ₂ /ReS ₂ vdW Heterostructure for Versatile Optoelectronic Applications. , 2018, , .		4
10	Thin EOT MoS ₂ FET for Efficient Photodetection and Gas Sensing. , 2018, , .		1
11	Performance Projections for Two-dimensional Materials in Radio-Frequency Applications. Physical Review Applied, 2018, 10, .	1.5	11
12	Reversible hysteresis inversion in MoS ₂ field effect transistors. Npj 2D Materials and Applications, 2017, 1, .	3.9	112
13	Implementation and analysis of template matching for image registration on DevKit-8500D. Optik, 2017, 130, 935-944.	1.4	10
14	Suspended ReS ₂ FET for improved photocurrent-time response. , 2017, , .		3