

# Hang Zang

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

253  
citations

1040056

9  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

471  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum engineering of non-equilibrium efficient p-doping in ultra-wide band-gap nitrides. <i>Light: Science and Applications</i> , 2021, 10, 69.	16.6	42
2	Point Defects in Monolayer <i>h</i> -AlN as Candidates for Single-Photon Emission. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 37380-37387.	8.0	7
3	Origination and evolution of point defects in AlN film annealed at high temperature. <i>Journal of Luminescence</i> , 2021, 235, 118032.	3.1	25
4	Cation Vacancy in Wide Bandgap III <sup>A</sup> Nitrides as Single-Photon Emitter: A First-Principles Investigation. <i>Advanced Science</i> , 2021, 8, e2100100.	11.2	8
5	Improved nucleation of AlN on <i>in situ</i> nitrogen doped graphene for GaN quasi-van der Waals epitaxy. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	22
6	Elimination of the internal electrostatic field in two-dimensional GaN-based semiconductors. <i>Npj 2D Materials and Applications</i> , 2020, 4, .	7.9	16
7	Thickness and strain engineering of structural and electronic properties for 2D square-octagon AlN. <i>International Journal of Smart and Nano Materials</i> , 2020, 11, 288-297.	4.2	1
8	The formation mechanism of voids in physical vapor deposited AlN epilayer during high temperature annealing. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	28
9	Quantum Interference in Singlet Fission: J- and H-Aggregate Behavior. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5105-5112.	4.6	37
10	Charge Carrier Mobilities and Singlet Fission Dynamics in Thienoquinoidal Compounds. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22587-22596.	3.1	10
11	Effects of Charge Transfer State and Exciton Migration on Singlet Fission Dynamics in Organic Aggregates. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13351-13359.	3.1	31
12	Generalized time-dependent approaches to vibrationally resolved electronic and Raman spectra: Theory and applications. <i>International Journal of Quantum Chemistry</i> , 2015, 115, 550-563.	2.0	24