

# Thanh Luan Phan

## List of Publications by Year in descending order

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14  
papers

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#	ARTICLE	IF	CITATIONS
1	Ideal PN photodiode using doping controlled WSe <sub>2</sub> –MoSe <sub>2</sub> lateral heterostructure. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3504-3512.	2.7	16
2	Selective Pattern Growth of Atomically Thin MoSe <sub>2</sub> Films via a Surface-Mediated Liquid-Phase Promoter. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 18056-18064.	4.0	8
3	Infrared Proximity Sensors Based on Photo-Induced Tunneling in van der Waals Integration. <i>Advanced Functional Materials</i> , 2021, 31, 2100966.	7.8	12
4	One-Step Synthesis of NbSe <sub>2</sub> /Nb-Doped-WSe <sub>2</sub> Metal/Doped-Semiconductor van der Waals Heterostructures for Doping Controlled Ohmic Contact. <i>ACS Nano</i> , 2021, 15, 13031-13040.	7.3	42
5	Tuning the inhomogeneous charge transport in ZnO interfaces for ultrahigh on/off ratio top-gated field-effect-transistor arrays. <i>Nano Research</i> , 2020, 13, 3033-3040.	5.8	1
6	A Non-Volatile Memory Based on NbOx/NbSe <sub>2</sub> Van der Waals Heterostructures. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7598.	1.3	8
7	Ferromagnetic Order at Room Temperature in Monolayer WSe <sub>2</sub> Semiconductor via Vanadium Dopant. <i>Advanced Science</i> , 2020, 7, 1903076.	5.6	148
8	Unveiling the Hot Carrier Distribution in Vertical Graphene/h-BN/Au van der Waals Heterostructures for High-Performance Photodetector. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 10772-10780.	4.0	44
9	CVD-Grown Carbon Nanotube Branches on Black Silicon Stems for Ultrahigh Absorbance in Wide Wavelength Range. <i>Scientific Reports</i> , 2020, 10, 3441.	1.6	14
10	Revealing antiferromagnetic transition of van der Waals MnPS <sub>3</sub> via vertical tunneling electrical resistance measurement. <i>APL Materials</i> , 2019, 7, .	2.2	16
11	Tunable Negative Differential Resistance in van der Waals Heterostructures at Room Temperature by Tailoring the Interface. <i>ACS Nano</i> , 2019, 13, 8193-8201.	7.3	69
12	Efficient Gate Modulation in a Screening-Engineered MoS <sub>2</sub> /Single-Walled Carbon Nanotube Network Heterojunction Vertical Field-Effect Transistor. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 25516-25523.	4.0	20
13	Charge transferred doping of single layer graphene by mono-dispersed manganese-oxide nanoparticles adsorption. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	7
14	Efficient p-type doping in graphene via monolayer manganese-oxide nanoparticles decoration. <i>Journal of the Korean Physical Society</i> , 2015, 67, 700-705.	0.3	1