

Thien Ngoc Truong

List of Publications by Year in descending order

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papers

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citations

840776

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docs citations

32
times ranked

422
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms and Applications of Steady-State Photoluminescence Spectroscopy in Two-Dimensional Transition-Metal Dichalcogenides. <i>ACS Nano</i> , 2020, 14, 14579-14604.	14.6	56
2	Understanding the activity and stability of flame-made Co ₃ O ₄ spinels: A route towards the scalable production of highly performing OER electrocatalysts. <i>Chemical Engineering Journal</i> , 2022, 429, 132180.	12.7	56
3	Hydrogenation of Phosphorus-Doped Polycrystalline Silicon Films for Passivating Contact Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5554-5560.	8.0	47
4	Design and demonstration of a bio-inspired flapping-wing-assisted jumping robot. <i>Bioinspiration and Biomimetics</i> , 2019, 14, 036010.	2.9	36
5	Quantifying Quasi-Fermi Level Splitting and Mapping its Heterogeneity in Atomically Thin Transition Metal Dichalcogenides. <i>Advanced Materials</i> , 2019, 31, e1900522.	21.0	34
6	Influence of PECVD deposition temperature on phosphorus doped poly-silicon passivating contacts. <i>Solar Energy Materials and Solar Cells</i> , 2020, 206, 110348.	6.2	24
7	Emission Control from Transition Metal Dichalcogenide Monolayers by Aggregation-Induced Molecular Rotors. <i>ACS Nano</i> , 2020, 14, 7444-7453.	14.6	23
8	Twist-driven wide freedom of indirect interlayer exciton emission in MoS ₂ /WS ₂ heterobilayers. <i>Cell Reports Physical Science</i> , 2021, 2, 100509.	5.6	23
9	Sub-Bandgap Luminescence from Doped Polycrystalline and Amorphous Silicon Films and Its Application to Understanding Passivating-Contact Solar Cells. <i>ACS Applied Energy Materials</i> , 2018, 1, 6619-6625.	5.1	18
10	Deposition pressure dependent structural and optoelectronic properties of ex-situ boron-doped poly-Si/SiO _x passivating contacts based on sputtered silicon. <i>Solar Energy Materials and Solar Cells</i> , 2020, 215, 110602.	6.2	17
11	Morphology, microstructure, and doping behaviour: A comparison between different deposition methods for poly-Si/SiO _x passivating contacts. <i>Progress in Photovoltaics: Research and Applications</i> , 2021, 29, 857-868.	8.1	16
12	Hydrogenation Mechanisms of Poly-Si/SiO _x Passivating Contacts by Different Capping Layers. <i>Solar Rrl</i> , 2020, 4, 1900476.	5.8	13
13	Hydrogen-Assisted Defect Engineering of Doped Poly-Si Films for Passivating Contact Solar Cells. <i>ACS Applied Energy Materials</i> , 2019, 2, 8783-8791.	5.1	12
14	Hydrogenation Mechanisms of Poly-Si/SiO _x Passivating Contacts by Different Capping Layers. <i>Solar Rrl</i> , 2020, 4, 2070033.	5.8	10
15	Comparison of firing stability between p- and n-type polysilicon passivating contacts. <i>Progress in Photovoltaics: Research and Applications</i> , 2022, 30, 970-980.	8.1	10
16	Spatially and Spectrally Resolved Absorptivity: New Approach for Degradation Studies in Perovskite and Perovskite/Silicon Tandem Solar Cells. <i>Advanced Energy Materials</i> , 2020, 10, 1902901.	19.5	9
17	Boron Spin-On Doping for Poly-Si/SiO _x Passivating Contacts. <i>ACS Applied Energy Materials</i> , 2021, 4, 4993-4999.	5.1	9
18	Contactless and Spatially Resolved Determination of Current-Voltage Curves in Perovskite Solar Cells via Photoluminescence. <i>Solar Rrl</i> , 2021, 5, 2100348.	5.8	7

#	ARTICLE	IF	CITATIONS
19	Impurity Gettering by Silicon Nitride Films: Kinetics, Mechanisms, and Simulation. ACS Applied Energy Materials, 2021, 4, 10849-10856.	5.1	7
20	Electrical properties of perovskite solar cells by illumination intensity and temperature-dependent photoluminescence imaging. Progress in Photovoltaics: Research and Applications, 2022, 30, 1038-1044.	8.1	7
21	Firing Stability of Polysilicon Passivating Contacts: The Role of Hydrogen. , 2021, , .		5
22	Tuning the crystal structure and optical properties of selective area grown InGaAs nanowires. Nano Research, 2022, 15, 3695-3703.	10.4	5
23	Investigation of Gallium-Boron Spin-On Codoping for poly-Si/SiO ₂ Passivating Contacts. Solar Rrl, 2021, 5, 2100653.	5.8	3
24	Contactless, nondestructive determination of dopant profiles of localized boron-diffused regions in silicon wafers at room temperature. Scientific Reports, 2019, 9, 10423.	3.3	2
25	Solar Cells: Quantifying Quasi-Fermi Level Splitting and Mapping its Heterogeneity in Atomically Thin Transition Metal Dichalcogenides (Adv. Mater. 25/2019). Advanced Materials, 2019, 31, 1970180.	21.0	2
26	Hydrogenation of polycrystalline silicon films for passivating contacts solar cells. , 2019, , .		2
27	Contactless and Spatially Resolved Determination of Current-Voltage Curves in Perovskite Solar Cells via Photoluminescence. Solar Rrl, 2021, 5, 2170083.	5.8	1
28	Investigation of Gallium-Boron Spin-On Codoping for poly-Si/SiO ₂ Passivating Contacts. Solar Rrl, 2021, 5, .	5.8	1
29	Luminescence from poly-Si films and its application to study passivating-contact solar cells. , 2019, , .		0
30	Tandem Solar Cells: Spatially and Spectrally Resolved Absorptivity: New Approach for Degradation Studies in Perovskite and Perovskite/Silicon Tandem Solar Cells (Adv. Energy Mater. 4/2020). Advanced Energy Materials, 2020, 10, 2070016.	19.5	0
31	Comparative studies of optoelectronic properties, structures, and surface morphologies for phosphorus-doped poly-Si/SiO _x passivating contacts. , 2021, , .		0
32	Correction to "Boron Spin-On Doping for Poly-Si/SiO _x Passivating Contacts". ACS Applied Energy Materials, 2021, 4, 6376-6376.	5.1	0