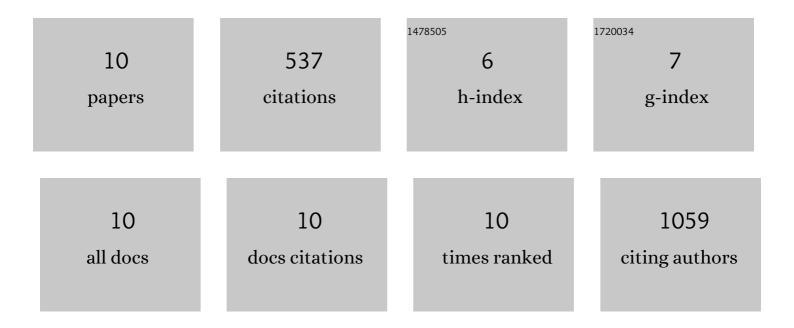
Yugang Yu

List of Publications by Year in descending order

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YUCANC YI

#	Article	IF	CITATIONS
1	Athermalized carrier multiplication mechanism for detectors using an amorphous silicon gain medium. Optics Express, 2022, 30, 16947.	3.4	0
2	Strain engineering and epitaxial stabilization of halide perovskites. Nature, 2020, 577, 209-215.	27.8	417
3	Modeling Gain Mechanisms in Amorphous Silicon Due to Efficient Carrier Multiplication and Trap-Induced Junction Modulation. Journal of Lightwave Technology, 2019, 37, 5056-5066.	4.6	3
4	Plasmonically Enhanced Amorphous Silicon Photodetector With Internal Gain. IEEE Photonics Technology Letters, 2019, 31, 959-962.	2.5	8
5	Room-temperature long-wave infrared detector with thin double layers of amorphous germanium and amorphous silicon. Optics Express, 2019, 27, 37056.	3.4	10
6	Controlled Homoepitaxial Growth of Hybrid Perovskites. Advanced Materials, 2018, 30, e1705992.	21.0	82
7	Low Noise, High Gain-Bandwidth Photodetectors Using Cycling Exciting Process (CEP) as Amplification Mechanism. , 2018, , .		0
8	An amorphous silicon photodiode with 2 THz gainâ€bandwidth product based on cycling excitation process. Applied Physics Letters, 2017, 111, 101104.	3.3	11
9	Approaching the Quantum Limit of Photodetection in Solid-State Photodetectors. IEEE Transactions on Electron Devices, 2017, 64, 4812-4822.	3.0	6
10	Quantum detectors using cycling excitation process in disordered medium. , 2017, , .		0

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