

# Yugang Yu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/362889/publications.pdf>

Version: 2024-02-01

10  
papers

537  
citations

1478505

6  
h-index

1720034

7  
g-index

10  
all docs

10  
docs citations

10  
times ranked

1059  
citing authors

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