Wenxiang Huang

List of Publications by Year
in descending order

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16	194	1163117 8	1199594 12
papers	citations	h-index	g-index

16	16	16	118
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Narrow bandgap photovoltaic cells. Solar Energy Materials and Solar Cells, 2022, 238, 111636.	6.2	6
2	Quasi-Fermi Level Pinning in Interband Cascade Lasers. IEEE Journal of Quantum Electronics, 2020, 56, 1-10.	1.9	5
3	Performance analysis of narrow-bandgap interband cascade thermophotovoltaic cells. Journal Physics D: Applied Physics, 2020, 53, 175104.	2.8	5
4	Resonant Cavity Enhanced Interband Cascade Thermophotovoltaic Cells. , 2020, , .		1
5	Conversion efficiency of resonant cavity enhanced narrow bandgap interband cascade photovoltaic cells. Journal of Applied Physics, 2020, 128, .	2.5	2
6	Limiting factors and efficiencies of narrow bandgap single-absorber and multi-stage interband cascade thermophotovoltaic cells under monochromatic light illumination. Journal of Applied Physics, 2019, 126, .	2.5	10
7	InAs-Based Interband Cascade Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-8.	2.9	33
8	Multistage Interband Cascade Thermophotovoltaic Devices with ~0.2 eV Bandgap. , 2019, , .		0
9	A unified figure of merit for interband and intersubband cascade devices. Infrared Physics and Technology, 2019, 96, 298-302.	2.9	26
10	Investigation of narrow bandgap interband cascade thermophotovoltaic cells. , 2019, , .		3
11	Electrical gain in interband cascade infrared photodetectors. Journal of Applied Physics, 2018, 123, .	2.5	29
12	Minority carrier lifetime in mid-wavelength interband cascade infrared photodetectors. Applied Physics Letters, 2018, 112, .	3.3	16
13	Enhanced collection efficiencies and performance of interband cascade structures for narrow bandgap semiconductor thermophotovoltaic devices. Journal of Applied Physics, 2018, 124, .	2.5	17
14	Gain and resonant tunneling in interband cascade IR photodetectors. , 2018, , .		5
15	Current-matching versus non-current-matching in long wavelength interband cascade infrared photodetectors. Journal of Applied Physics, 2017, 122, .	2.5	21
16	Resonant tunneling and multiple negative differential conductance features in long wavelength interband cascade infrared photodetectors. Applied Physics Letters, 2017, 111, .	3.3	15