

Wenxiang Huang

List of Publications by Year in descending order

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16
papers

194
citations

1163117

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1199594

12
g-index

16
all docs

16
docs citations

16
times ranked

118
citing authors

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