Yi Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8278240/publications.pdf

Version: 2024-02-01

		1163117	1058476
21	200	8	14
papers	citations	h-index	g-index

21	21	21	339
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Observation of enhanced hot phonon bottleneck effect in 2D perovskites. Applied Physics Letters, 2018, 112, .	3.3	47
2	A review on thermalization mechanisms and prospect absorber materials for the hot carrier solar cells. Solar Energy Materials and Solar Cells, 2021, 225, 111073.	6.2	27
3	Towards an understanding of hot carrier cooling mechanisms in multiple quantum wells. Japanese Journal of Applied Physics, 2017, 56, 091201.	1.5	25
4	Extended hot carrier lifetimes observed in bulk In0.265Â±0.02Ga0.735N under high-density photoexcitation. Applied Physics Letters, 2016, 108, .	3.3	22
5	Review of the mechanisms for the phonon bottleneck effect in IIIâ€“V semiconductors and their application for efficient hot carrier solar cells. Progress in Photovoltaics: Research and Applications, 2022, 30, 581-596.	8.1	16
6	cells: insight into the carrier ultrafast dynamics and interfacial transport. Science China Chemistry, 2020, 63, 827-832.	8.2	13
7	Quantitative study on the mechanisms underlying the phonon bottleneck effect in InN/InGaN multiple quantum wells. Applied Physics Letters, 2020, 116, 103104.	3.3	10
8	Investigation on the effect of indium composition on ultrafast carrier dynamics in InGaN alloys. Japanese Journal of Applied Physics, 2019, 58, 010903.	1.5	9
9	Direct Thermal Pyrolysis Enabling the Use of Cobalt Oxides Nanoparticles from Commercial Acetates as High-Capacity Anodes for Lithium-Ion Batteries. Industrial & Engineering Chemistry Research, 2020, 59, 13564-13571.	3.7	7
10	Inelastic X-ray scattering measurements of IIIâ€“V multiple quantum wells. Applied Physics Letters, 2017, 110, 043102.	3.3	5
11	Simulation of Zinc-diffused InAs cells for low temperature thermophotovoltaic systems. Infrared Physics and Technology, 2021, 115, 103719.	2.9	5
12	Explore the correlation between intervalley scattering and phonon bottleneck effect on the hot carrier relaxation in bulk GaSb and InN for hot carrier solar cells. Journal of Applied Physics, 2021, 130, .	2.5	5
13	Study on the Ultrafast Carrier Dynamics in the Bulk In0.265GaN Thin Film. Energy Procedia, 2015, 84, 165-175.	1.8	3
14	Hot carrier cooling mechanisms in multiple quantum wells. , 2017, , .		2
15	Study the Mechanisms of Enhanced Phonon Bottleneck Effect for the Absorber of Hot Carrier Solar Cell in III-V Multiple Quantum Wells. IOP Conference Series: Materials Science and Engineering, 2020, 774, 012127.	0.6	1
16	Explore the Intervalley Scattering on Phonon Bottleneck Effect and Its Application on Hot Carrier Solar Cells. , 2020, , .		1
17	Slowed hot carrier cooling in multiple quantum wells for application to hot carrier solar cells. , 2019, , .		1
18	Observation of high-density multi-excitons in medium-size CdSe/CdZnS/ZnS colloidal quantum dots through transient spectroscopy and their optical gain properties. Nanoscale, 2022, 14, 5369-5376.	5.6	1

#	Article	IF	Citations
19	Hot carrier solar cell absorbers: investigation of carrier cooling properties of candidate materials. , 2015, , .		0
20	A Decision-making tool of storage for non-working time demand. , 2020, , .		0
21	UV-C-Sensitive Single-Channel Panoramic Detector via Mn-Doped Quantum Dots Encapsulated in SiOâ„‚ Film. IEEE Transactions on Electron Devices, 2021, , 1-8.	3.0	0