

Ryan A Duncan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8536902/publications.pdf>

Version: 2024-02-01

11
papers

410
citations

933447

10
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

577
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of second sound in graphite at temperatures above 100 K. <i>Science</i> , 2019, 364, 375-379.	12.6	160
2	Nanoscale transient gratings excited and probed by extreme ultraviolet femtosecond pulses. <i>Science Advances</i> , 2019, 5, eaaw5805.	10.3	54
3	Direct observation of large electron-phonon interaction effect on phonon heat transport. <i>Nature Communications</i> , 2020, 11, 6040.	12.8	41
4	Thermal transport in suspended silicon membranes measured by laser-induced transient gratings. <i>AIP Advances</i> , 2016, 6, .	1.3	40
5	Generation of coherent phonons by coherent extreme ultraviolet radiation in a transient grating experiment. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	28
6	Four-wave-mixing experiments with seeded free electron lasers. <i>Faraday Discussions</i> , 2016, 194, 283-303.	3.2	20
7	Vibrational dynamics of a two-dimensional microgranular crystal. <i>Physical Review B</i> , 2017, 96, .	3.2	17
8	Generation and detection of 50 GHz surface acoustic waves by extreme ultraviolet pulses. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	15
9	Unifying first-principles theoretical predictions and experimental measurements of size effects in thermal transport in SiGe alloys. <i>Physical Review Materials</i> , 2017, 1, .	2.4	15
10	Gas-pressure chemical vapor transport growth of millimeter-sized c-BAs single crystals with moderate thermal conductivity. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	14
11	Thermal transport in nanoporous holey silicon membranes investigated with optically induced transient thermal gratings. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	6