

Richard Allan Partridge

List of Publications by Year in descending order

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18
papers

2,240
citations

687363

13
h-index

839539

18
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18
all docs

18
docs citations

18
times ranked

4820
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating the sources of low-energy events in a SuperCDMS-HVeV detector. Physical Review D, 2022, 105, .	4.7	2
2	Performance of a large area photon detector for rare event search applications. Applied Physics Letters, 2021, 118, 022601.	3.3	15
3	Light Dark Matter Search with a High-Resolution Athermal Phonon Detector Operated above Ground. Physical Review Letters, 2021, 127, 061801.	7.8	53
4	Measuring the impact ionization and charge trapping probabilities in SuperCDMS HVeV phonon sensing detectors. Physical Review D, 2020, 101, .	4.7	7
5	Characterizing TES power noise for future single optical-phonon and infrared-photon detectors. AIP Advances, 2020, 10, 085221.	1.3	14
6	Constraints on low-mass, relic dark matter candidates from a surface-operated SuperCDMS single-charge sensitive detector. Physical Review D, 2020, 102, .	4.7	83
7	Modeling of Impact Ionization and Charge Trapping in SuperCDMS HVeV Detectors. Journal of Low Temperature Physics, 2020, 199, 598-605.	1.4	4
8	Results from the Super Cryogenic Dark Matter Search Experiment at Soudan. Physical Review Letters, 2018, 120, 061802.	7.8	92
9	Low-mass dark matter search with CDMSlite. Physical Review D, 2018, 97, .	4.7	142
10	Thermal detection of single e-h pairs in a biased silicon crystal detector. Applied Physics Letters, 2018, 112, .	3.3	53
11	Energy loss due to defect formation from 206Pb recoils in SuperCDMS germanium detectors. Applied Physics Letters, 2018, 113, .	3.3	4
12	First Dark Matter Constraints from a SuperCDMS Single-Charge Sensitive Detector. Physical Review Letters, 2018, 121, 051301.	7.8	183
13	Projected sensitivity of the SuperCDMS SNOLAB experiment. Physical Review D, 2017, 95, .	4.7	191
14	New Results from the Search for Low-Mass Weakly Interacting Massive Particles with the CDMS Low Ionization Threshold Experiment. Physical Review Letters, 2016, 116, 071301.	7.8	275
15	Search for Low-Mass Weakly Interacting Massive Particles Using Voltage-Assisted Calorimetric Ionization Detection in the SuperCDMS Experiment. Physical Review Letters, 2014, 112, 041302.	7.8	221
16	Search for Low-Mass Weakly Interacting Massive Particles with SuperCDMS. Physical Review Letters, 2014, 112, 241302.	7.8	440
17	Demonstration of surface electron rejection with interleaved germanium detectors for dark matter searches. Applied Physics Letters, 2013, 103, .	3.3	51
18	Silicon Detector Dark Matter Results from the Final Exposure of CDMS II. Physical Review Letters, 2013, 111, 251301.	7.8	410