Richard Allan Partridge

List of Publications by Year
in descending order

18 papers	2,240 citations	687363 13 h-index	839539 18 g-index
18 all docs	18 docs citations	18 times ranked	4820 citing authors

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