

David C Moore

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3524699/publications.pdf>

Version: 2024-02-01

80
papers

4,983
citations

147801

31
h-index

88630

70
g-index

80
all docs

80
docs citations

80
times ranked

5770
citing authors

#	ARTICLE	IF	CITATIONS
19	Single-beam dielectric-microsphere trapping with optical heterodyne detection. Physical Review A, 2018, 97, .	2.5	32
20	Search for nucleon decays with EXO-200. Physical Review D, 2018, 97, .	4.7	14
21	Characterization of an Ionization Readout Tile for nEXO. Journal of Instrumentation, 2018, 13, P01006-P01006.	1.2	14
22	VUV-Sensitive Silicon Photomultipliers for Xenon Scintillation Light Detection in nEXO. IEEE Transactions on Nuclear Science, 2018, 65, 2823-2833.	2.0	29
23	Study of silicon photomultiplier performance in external electric fields. Journal of Instrumentation, 2018, 13, T09006-T09006.	1.2	5
24	Deep neural networks for energy and position reconstruction in EXO-200. Journal of Instrumentation, 2018, 13, P08023-P08023.	1.2	34
25	Optical rotation of levitated spheres in high vacuum. Physical Review A, 2018, 97, .	2.5	61
26	Nuclear-recoil energy scale in CDMS II silicon dark-matter detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 905, 71-81.	1.6	11
27	Sensitivity and discovery potential of the proposed nEXO experiment to neutrinoless double- β decay. Physical Review C, 2018, 97, .	2.9	115
28	Tests of fundamental physics with optically levitated microspheres in high vacuum. , 2018, , .		1
29	Measurement of the drift velocity and transverse diffusion of electrons in liquid xenon with the EXO-200 detector. Physical Review C, 2017, 95, .	2.9	28
30	Trace radioactive impurities in final construction materials for EXO-200. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 871, 169-179.	1.6	25
31	Optical levitation of 10-ng spheres with nano- g acceleration sensitivity. Physical Review A, 2017, 96, .	2.5	93
32	Searches for double beta decay of ^{134}Xe with EXO-200. Physical Review D, 2017, 96, .	4.7	9
33	A Density Staggered Cantilever for Micron Length Gravity Probing. , 2017, , .		4
34	Cosmogenic backgrounds to $0\frac{1}{2}\hat{1}^2\hat{1}^2$ in EXO-200. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 029-029.	5.4	20
35	An optimal energy estimator to reduce correlated noise for the EXO-200 light readout. Journal of Instrumentation, 2016, 11, P07015-P07015.	1.2	9
36	Search for Screened Interactions Associated with Dark Energy below the $100\text{m}\hat{1}^4$ Length Scale. Physical Review Letters, 2016, 117, 101101.		116

#	ARTICLE	IF	CITATIONS
55	Demonstration of surface electron rejection with interleaved germanium detectors for dark matter searches. Applied Physics Letters, 2013, 103, .	3.3	51
56	Silicon Detector Dark Matter Results from the Final Exposure of CDMS II. Physical Review Letters, 2013, 111, 251301.	7.8	410
57	Position and energy-resolved particle detection using phonon-mediated microwave kinetic inductance detectors. Applied Physics Letters, 2012, 100, .	3.3	57
58	High-resolution gamma-ray detection using phonon-mediated detectors. , 2012, , .		0
59	Phonon Mediated Microwave Kinetic Inductance Detectors. Journal of Low Temperature Physics, 2012, 167, 329-334.	1.4	7
60	Search for inelastic dark matter with the CDMS II experiment. Physical Review D, 2011, 83, .	4.7	22
61	Combined limits on WIMPs from the CDMS and EDELWEISS experiments. Physical Review D, 2011, 84, .	4.7	63
62	Results from a Low-Energy Analysis of the CDMS II Germanium Data. Physical Review Letters, 2011, 106, 131302.	7.8	419
63	Dark Matter Search Results from the CDMS II Experiment. Science, 2010, 327, 1619-1621.	12.6	627
64	ARCHONS: a highly multiplexed superconducting optical to near-IR camera. Proceedings of SPIE, 2010, , .	0.8	20
65	Thin film dielectric microstrip kinetic inductance detectors. Applied Physics Letters, 2010, 96, .	3.3	31
66	Titanium nitride films for ultrasensitive microresonator detectors. Applied Physics Letters, 2010, 97, .	3.3	191
67	Low-threshold analysis of CDMS shallow-site data. Physical Review D, 2010, 82, .	4.7	95
68	Analysis of the low-energy electron-recoil spectrum of the CDMS experiment. Physical Review D, 2010, 81, .	4.7	31
69	Search for Axions with the CDMS Experiment. Physical Review Letters, 2009, 103, 141802.	7.8	80
70	The Cryogenic Dark Matter Search (CDMS) : Present Status and Future. , 2009, , .		4
71	The Cryogenic Dark Matter Search (CDMS) experiment: Results, status and perspective. , 2009, , .		0
72	Bulk and Surface Charge Collection: CDMS Detector Performance and Design Implications. , 2009, , .		3

#	ARTICLE	IF	CITATIONS
73	Quasiparticle Trapping in Microwave Kinetic Inductance Strip Detectors. AIP Conference Proceedings, 2009, , .	0.4	7
74	SuperCDMS Detector Readout Cryogenic Hardware. , 2009, , .		1
75	Characterization of SuperCDMS 1-inch Ge Detectors. , 2009, , .		1
76	SuperCDMS Detector Fabrication Advances. AIP Conference Proceedings, 2009, , .	0.4	6
77	A WIMP Dark Matter Detector Using MKIDs. Journal of Low Temperature Physics, 2008, 151, 550-556.	1.4	19
78	Angular momentum on the lattice: The case of nonzero linear momentum. Physical Review D, 2006, 73, .	4.7	45
79	The Multiwavelength Survey by Yale&Chile (MUSYC): Survey Design and Deep Public UBVRIZ $\hat{=}$ 2 Images and Catalogs of the Extended Hubble Deep Field&South. Astrophysical Journal, Supplement Series, 2006, 162, 1-19.	7.7	228
80	Multiparticle states and the hadron spectrum on the lattice. Physical Review D, 2006, 74, .	4.7	26