

Pve McClintock

List of Publications by Year in descending order

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54
papers

1,493
citations

331670

21
h-index

315739

38
g-index

54
all docs

54
docs citations

54
times ranked

858
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear dynamics of cardiovascular ageing. <i>Physics Reports</i> , 2010, 488, 51-110.	25.6	315
2	Decay of quantized vorticity in superfluid 4He at mK temperatures. <i>Physica B: Condensed Matter</i> , 2000, 280, 43-44.	2.7	99
3	Low-frequency blood flow oscillations in congestive heart failure and after β_1 -blockade treatment. <i>Microvascular Research</i> , 2008, 76, 224-232.	2.5	95
4	Continuous flow apparatus for preparing isotopically pure 4He. <i>Cryogenics</i> , 1987, 27, 131-138.	1.7	84
5	Stochastic resonance in electrical circuits. I. Conventional stochastic resonance. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 1999, 46, 1205-1214.	2.2	75
6	The effect of strong electric fields on exotic negative ions in He II: Possible evidence for the nucleation of charged vortex rings. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1984, 102, 197-200.	2.1	58
7	An apparatus for preparing isotopically pure He4. <i>Cryogenics</i> , 1978, 18, 201-208.	1.7	55
8	Zero-dispersion phenomena in oscillatory systems. <i>Physics Reports</i> , 2003, 373, 247-408.	25.6	55
9	Field emission in liquid helium. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1969, 29, 453-454.	2.1	52
10	Ito versus stratonovich revisited. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983, 97, 95-98.	2.1	46
11	Evidence for roton creation in a superfluid field emission diode near 0.5 K. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1973, 46, 109-110.	2.1	41
12	Angular variation of current from field-emission and field-ionization sources in liquid helium. <i>Cryogenics</i> , 1973, 13, 371-373.	1.7	39
13	Measurement of the Landau velocity in He II. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1980, 78, 358-360.	2.1	34
14	Noise-induced linearisation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 193, 61-66.	2.1	33
15	Size effects in superfluid field emission. <i>Cryogenics</i> , 1974, 14, 650-653.	1.7	32
16	Optimal positioning of field emitters for ion injection in liquid helium. <i>Cryogenics</i> , 1979, 19, 535-536.	1.7	31
17	High-frequency stochastic resonance in SQUIDs. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 220, 219-223.	2.1	30
18	Field emission and field ionisation in liquid helium under pressure. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1973, 43, 257-258.	2.1	29

#	ARTICLE	IF	CITATIONS
19	Resonant rectification of fluctuations in a Brownian ratchet. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 273, 316-321.	2.1	29
20	Anomalous roton-induced drag on negative ions in He II. Physics Letters, Section A: General, Atomic and Solid State Physics, 1975, 54, 385-386.	2.1	27
21	Stochastic resonance in electrical circuits. II. Nonconventional stochastic resonance. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1999, 46, 1215-1224.	2.2	25
22	Reproducibility of LDF blood flow measurements: Dynamical characterization versus averaging. Microvascular Research, 2011, 82, 274-276.	2.5	17
23	Parametric vibrational resonance in a gyroscope driven by dual-frequency forces. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 387, 127040.	2.1	17
24	Observation of symmetry breaking, state selection and sensitivity in a noisy electronic system. Physica D: Nonlinear Phenomena, 1986, 21, 296-306.	2.8	16
25	Power spectra of noise-driven nonlinear systems and stochastic resonance. Physica D: Nonlinear Phenomena, 1992, 58, 10-30.	2.8	16
26	Isotopic purification of He4. Cryogenics, 1976, 16, 733-734.	1.7	14
27	Branch selectivity at the bifurcation of a bistable system with external noise. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 112, 293-296.	2.1	14
28	Branch selection in the presence of coloured noise. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 114, 68-74.	2.1	13
29	Acoustic vibrational resonance in a Rayleigh-Plesset bubble oscillator. Ultrasonics Sonochemistry, 2021, 70, 105346.	8.2	13
30	Chapter 1 The Landau critical velocity. Progress in Low Temperature Physics, 1995, , 1-68.	0.2	11
31	Evidence for gaseous corona discharge at fine points in liquid helium. Physics Letters, Section A: General, Atomic and Solid State Physics, 1971, 34, 424-425.	2.1	10
32	Further experimental evidence pertaining to the applicability of the Ito and Stratonovic stochastic calculus to real physical systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 107, 367-370.	2.1	9
33	4He isotopic purification in continuous flow. Cryogenics, 1985, 25, 526-527.	1.7	8
34	A note on the purity of liquid helium-4. Cryogenics, 1979, 19, 682-683.	1.7	7
35	Role of Transdermal Potential Difference During Iontophoretic Drug Delivery. IEEE Transactions on Biomedical Engineering, 2004, 51, 1683-1685.	4.2	6
36	Field-emission and field-ionisation in liquid 3He. Physics Letters, Section A: General, Atomic and Solid State Physics, 1971, 35, 211-212.	2.1	5

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37	A new technique for stimulating ultraviolet luminescence of liquid helium. <i>Cryogenics</i> , 1973, 13, 556-558.	1.7	4
38	Preparation of isotopically pure superfluid ^4He suitable for constructing a high density neutron source. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1977, 64, 205-207.	2.1	4
39	A roton-driven mechanism for nucleation of negatively charged vortex rings in isotopically pure superfluid ^4He . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1980, 76, 303-305.	2.1	4
40	Helium-4 isotopic purification without a superleak. <i>Cryogenics</i> , 1982, 22, 373-374.	1.7	4
41	Cosmological experiments in liquid ^4He : status and prospects. <i>Physica B: Condensed Matter</i> , 1995, 210, 209-214.	2.7	4
42	Search for single-roton emission from negative ions in HeII . <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1981, 107, 569-570.	0.9	3
43	Field emission in a liquid ^3He - ^4He solution. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1976, 56, 199-200.	2.1	2
44	Free particle dynamics of negative ions in the mechanical vacuum of He II . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1982, 89, 414-416.	2.1	2
45	Ions in superfluid helium. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1984, 127, 300-305.	0.9	2
46	Profound influence of isotopic impurities on vortex nucleation in HeII . <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1981, 107, 573-574.	0.9	1
47	Observation of the storage of ultra-cold neutrons in liquid helium. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1981, 107, 587-588.	0.9	1
48	A continuous flow helium isotopic separation cryostat. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1981, 107, 597-598.	0.9	1
49	STOCHASTIC POSTPONEMENT OF CRITICAL ONSETS IN A BISTABLE SYSTEM. , 1986, , 137-140.		1
50	Roton assisted vortex nucleation in isotopically pure superfluid ^4He . <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1981, 107, 571-572.	0.9	0
51	Pressure dependence of vortex tunneling in He II . <i>Physica B: Condensed Matter</i> , 1990, 165-166, 757-758.	2.7	0
52	Vortex creation in a fast adiabatic expansion through the lambda transition. <i>Physica B: Condensed Matter</i> , 1994, 194-196, 711-712.	2.7	0
53	Delayed thermal relaxation of superfluid at mK temperatures. <i>Physica B: Condensed Matter</i> , 2003, 329-333, 218-219.	2.7	0
54	CORRELATION TIMES IN THE CUBIC BISTABLE SYSTEM. , 1986, , 141-144.		0