

Câ€j Pethick

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

3,221
citations

566801

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h-index

610482

24
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24
all docs

24
docs citations

24
times ranked

1834
citing authors

#	ARTICLE	IF	CITATIONS
1	Ground-State Properties of Magnetically Trapped Bose-Condensed Rubidium Gas. Physical Review Letters, 1996, 76, 6-9.	2.9	628
2	EQUATION OF STATE AND NEUTRON STAR PROPERTIES CONSTRAINED BY NUCLEAR PHYSICS AND OBSERVATION. Astrophysical Journal, 2013, 773, 11.	1.6	546
3	Structure of Matter below Nuclear Saturation Density. Physical Review Letters, 1983, 50, 2066-2069.	2.9	500
4	Neutron star crusts. Physical Review Letters, 1993, 70, 379-382.	2.9	346
5	Matter at Large Neutron Excess and the Physics of Neutron-Star Crusts. Annual Review of Nuclear and Particle Science, 1995, 45, 429-484.	3.5	327
6	Constraints on Neutron Star Radii Based on Chiral Effective Field Theory Interactions. Physical Review Letters, 2010, 105, 161102.	2.9	293
7	Neutron star moments of inertia. Astrophysical Journal, 1994, 424, 846.	1.6	110
8	Nuclear Surface Energy and Neutron-Star Matter. Physical Review Letters, 1972, 28, 978-981.	2.9	87
9	Kaon Energies in Dense Matter. Physical Review Letters, 1995, 75, 4567-4570.	2.9	74
10	Superfluid Density of Neutrons in the Inner Crust of Neutron Stars: New Life for Pulsar Glitch Models. Physical Review Letters, 2017, 119, 062701.	2.9	59
11	Stress tensor of cosmic and laboratory type-II superconductors. Physical Review D, 1977, 16, 275-280.	1.6	51
12	Equation of State Constraints from Nuclear Physics, Neutron Star Masses, and Future Moment of Inertia Measurements. Astrophysical Journal, 2020, 901, 155.	1.6	51
13	Phonon dispersion in He II at long wavelengths and low temperatures. Journal of Low Temperature Physics, 1976, 25, 691-697.	0.6	41
14	Elastic properties of polycrystalline dense matter. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 449, L110-L112.	1.2	26
15	Elastic properties of phases with nonspherical nuclei in dense matter. Physical Review C, 2020, 101, .	1.1	23
16	Searching for low mass dark matter via phonon creation in superfluid $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{He} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle .$	1.6	13
17	Dispersion and decay of collective modes in neutron star cores. Physical Review C, 2017, 96, .	1.1	11
18	Transport in very dilute solutions of ^3He in superfluid ^4He . Physical Review B, 2013, 88, .	1.1	8

#	ARTICLE	IF	CITATIONS
19	<p>Article in ultradilute solutions of ^3He in superfluid ^4He.</p> <p>XML: <code><math>^3\text{He}</math> in superfluid ^4He. Journal of Low Temperature Physics, 2015, 178, 200-228.</code></p>	1.1	8
20	<p>Low-Temperature Transport Properties of Very Dilute Classical Solutions of ^3He in Superfluid ^4He. Journal of Low Temperature Physics, 2015, 178, 200-228.</p>	0.6	6
21	<p>Superfluid Liquid Crystals: Pasta Phases in Neutron Star Crusts. Journal of Experimental and Theoretical Physics, 2018, 127, 851-859.</p>	0.2	5
22	<p>Proton superconductivity in pasta phases in neutron star crusts. Physical Review C, 2021, 103, .</p>	1.1	4
23	<p>Nonlinear current-voltage characteristics of normal-superconducting boundaries. Journal of Low Temperature Physics, 1980, 41, 297-303.</p>	0.6	3
24	<p>Superfluid density in disordered pasta phases in neutron star crusts. Physical Review C, 2022, 105, .</p>	1.1	1