

Charles Horowitz

List of Publications by Year in descending order

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182
papers

12,780
citations

23879

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187
docs citations

187
times ranked

4394
citing authors

#	ARTICLE	IF	CITATIONS
1	New Measurements of the Beam-Normal Single Spin Asymmetry in Elastic Electron Scattering over a Range of Spin-0 Nuclei. Physical Review Letters, 2022, 128, 142501.	2.9	9
2	Determination of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Al} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 27 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Neutron Distribution Radius from a Parity-Violating Electron Scattering Measurement. Physical Review Letters, 2022, 128, 132501.	2.9	8
3	Actinide Crystallization and Fission Reactions in Cooling White Dwarf Stars. Physical Review Letters, 2021, 126, 131101.	2.9	10
4	Accurate Determination of the Neutron Skin Thickness of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Pb} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 208 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ through Parity-Violation in Electron Scattering. Physical Review Letters, 2021, 126, 172502.	2.9	323
5	Implications of PREX-2 on the Equation of State of Neutron-Rich Matter. Physical Review Letters, 2021, 126, 172503.	2.9	295
6	Cooling Delays from Iron Sedimentation and Iron Inner Cores in White Dwarfs. Astrophysical Journal Letters, 2021, 919, L12.	3.0	13
7	Modeling the Galactic Neutron Star Population for Use in Continuous Gravitational-wave Searches. Astrophysical Journal, 2021, 921, 89.	1.6	12
8	Search for compact dark matter objects in the solar system with LIGO data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135072.	1.5	19
9	Nuclear and dark matter heating in massive white dwarf stars. Physical Review D, 2020, 102, .	1.6	14
10	Weak charge and weak radius of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{mathvariant="normal"} \rangle C \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 12 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$. Physical Review C, 2020, 102, .	1.1	5
11	Fast neutrino cooling of nuclear pasta in neutron stars: Molecular dynamics simulations. Physical Review C, 2020, 102, .	1.1	22
12	Measuring the surface thickness of the weak charge density of nuclei. Physical Review C, 2020, 102, .	1.1	5
13	Total energy in supernova neutrinos and the tidal deformability and binding energy of neutron stars. Physical Review D, 2020, 102, .	1.6	9
14	Insights into nuclear saturation density from parity-violating electron scattering. Physical Review C, 2020, 102, .	1.1	16
15	Enhanced dynamics in fusion of neutron-rich oxygen nuclei at above-barrier energies. Physical Review C, 2020, 101, .	1.1	9
16	Gravimeter Search for Compact Dark Matter Objects Moving in the Earth. Physical Review Letters, 2020, 124, 051102.	2.9	10
17	Large sound speed in dense matter and the deformability of neutron stars. Physical Review C, 2020, 101, .	1.1	42
18	GW190814: Impact of a 2.6 solar mass neutron star on the nucleonic equations of state. Physical Review C, 2020, 102, .	1.1	101

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19	Neon Cluster Formation and Phase Separation during White Dwarf Cooling. <i>Astrophysical Journal Letters</i> , 2020, 902, L44.	3.0	31
20	Neutron skins of atomic nuclei: per aspera ad astra. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 093003.	1.4	83
21	Neutron rich matter in the laboratory and in the heavens after GW170817. <i>Annals of Physics</i> , 2019, 411, 167992.	1.0	26
22	Weak radius of the proton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 789, 675-678.	1.5	5
23	<i>r</i> -process nucleosynthesis: connecting rare-isotope beam facilities with the cosmos. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 083001.	1.4	115
24	Gravitational Waves from Compact Dark Objects in Neutron Stars. <i>Physical Review Letters</i> , 2019, 122, 071102.	2.9	21
25	Neutron Skins and Neutron Stars in the Multimessenger Era. <i>Physical Review Letters</i> , 2018, 120, 172702.	2.9	331
26	Rapid Neutrino Cooling in the Neutron Star MXB 1659-29. <i>Physical Review Letters</i> , 2018, 120, 182701.	2.9	54
27	Probing the fusion of neutron-rich nuclei with re-accelerated radioactive beams. <i>Physical Review C</i> , 2018, 97, .	1.1	10
28	Domains and defects in nuclear pasta. <i>Physical Review C</i> , 2018, 98, .	1.1	22
29	Deep crustal heating by neutrinos from the surface of accreting neutron stars. <i>Physical Review C</i> , 2018, 98, .	1.1	5
30	Elasticity of Nuclear Pasta. <i>Physical Review Letters</i> , 2018, 121, 132701.	2.9	57
31	Polycrystalline Crusts in Accreting Neutron Stars. <i>Astrophysical Journal</i> , 2018, 860, 148.	1.6	18
32	White paper on nuclear astrophysics and low-energy nuclear physics, Part 2: Low-energy nuclear physics. <i>Progress in Particle and Nuclear Physics</i> , 2017, 94, 68-124.	5.6	20
33	Lower limit on the heat capacity of the neutron star core. <i>Physical Review C</i> , 2017, 95, .	1.1	49
34	<i>Colloquium</i> : Astromaterial science and nuclear pasta. <i>Reviews of Modern Physics</i> , 2017, 89, .	16.4	69
35	Quantum nuclear pasta and nuclear symmetry energy. <i>Physical Review C</i> , 2017, 95, .	1.1	45
36	Neutrino-nucleon scattering in supernova matter from the virial expansion. <i>Physical Review C</i> , 2017, 95, .	1.1	69

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37	Neutrino scattering in supernovae and the universal spin correlations of a unitary gas. Physical Review C, 2017, 96, .	1.1	8
38	Muon Creation in Supernova Matter Facilitates Neutrino-Driven Explosions. Physical Review Letters, 2017, 119, 242702.	2.9	121
39	Core-Collapse Supernova Simulations including Neutrino Interactions from the Virial EOS. Proceedings of the International Astronomical Union, 2017, 12, 107-112.	0.0	8
40	Quantum simulations of nuclei and nuclear pasta with the multiresolution adaptive numerical environment for scientific simulations. Physical Review C, 2016, 93, .	1.1	21
41	Effect of topological defects on α -nuclear pasta-observables. Physical Review C, 2016, 93, .	1.1	30
42	α -Parking-garage-structures in nuclear astrophysics and cellular biophysics. Physical Review C, 2016, 94, .	1.1	60
43	Pasta nucleosynthesis: Molecular dynamics simulations of nuclear statistical equilibrium. Physical Review C, 2015, 91, .	1.1	19
44	Full weak-charge density distribution of ^{48}Ca from parity-violating electron scattering. Physical Review C, 2015, 92, .	1.1	9
45	Swelling of nuclei embedded in neutron-gas and consequences for fusion. Physical Review C, 2015, 92, .	1.1	5
46	Disordered Nuclear Pasta, Magnetic Field Decay, and Crust Cooling in Neutron Stars. Physical Review Letters, 2015, 114, 031102.	2.9	135
47	Nuclear α -waffles. Physical Review C, 2014, 90, .	1.1	60
48	Parity violating elastic electron scattering from ^{27}Al and the Q_{weak} measurement. Physical Review C, 2014, 89, .	1.1	14
49	Pulsar glitches: The crust may be enough. Physical Review C, 2014, 90, .	1.1	99
50	Coupled-cluster calculations of nucleonic matter. Physical Review C, 2014, 89, .	1.1	162
51	Weak Polarized Electron Scattering. Annual Review of Nuclear and Particle Science, 2014, 64, 269-298.	3.5	32
52	Electroweak measurements of neutron densities in CREX and PREX at JLab, USA. European Physical Journal A, 2014, 50, 1.	1.0	68
53	A way forward in the study of the symmetry energy: experiment, theory, and observation. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 093001.	1.4	226
54	Nuclear α -pasta-formation. Physical Review C, 2013, 88, .	1.1	69

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55	Energy density functional for nuclei and neutron stars. <i>Physical Review C</i> , 2013, 87, .	1.1	89
56	NEUTRON RICH NUCLEI AND NEUTRON STARS. , 2013, , .		0
57	Model-dependence of the $\hat{1}^3Z$ -dispersion correction to the proton's weak charge. , 2013, , .		0
58	Direct molecular dynamics simulation of liquid-solid phase equilibria for two-component plasmas. <i>Physical Review E</i> , 2012, 85, 066405.	0.8	12
59	Microscopic sub-barrier fusion calculations for the neutron star crust. <i>Physical Review C</i> , 2012, 85, .	1.1	64
60	New Measurements of the Transverse Beam Asymmetry for Elastic Electron Scattering from Selected Nuclei. <i>Physical Review Letters</i> , 2012, 109, .	2.9	39
61	Weak charge form factor and radius of ^{208}Pb through parity violation in electron scattering. <i>Physical Review C</i> , 2012, 85, .	1.1	151
62	Impact of spin-orbit currents on the electroweak skin of neutron-rich nuclei. <i>Physical Review C</i> , 2012, 86, .	1.1	33
63	Multi-Messenger Observations of Neutron Rich Matter. <i>Progress of Theoretical Physics Supplement</i> , 2012, 196, 451-459.	0.2	0
64	Direct molecular dynamics simulation of liquid-solid phase equilibria for a three-component plasma. <i>Physical Review E</i> , 2012, 86, 066413.	0.8	22
65	Measurement of the Neutron Radius of ^{208}Pb through Parity Violation in Electron Scattering. <i>Physical Review Letters</i> . 2012, 108, 112502.	2.9	482
66	Charged-current neutrino interactions in core-collapse supernovae in a virial expansion. <i>Physical Review C</i> , 2012, 86, .	1.1	25
67	Parity violating electron scattering measurements of neutron densities. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2012, 39, 015104.	1.4	23
68	Phase diagram of carbon-oxygen plasma mixtures in white dwarf stars. <i>Journal of Physics: Conference Series</i> , 2012, 402, 012026.	0.3	0
69	Durability of Neutron Star Crust. <i>Contributions To Plasma Physics</i> , 2012, 52, 122-125.	0.5	8
70	Constraints on the symmetry energy and neutron skins from experiments and theory. <i>Physical Review C</i> , 2012, 86, .	1.1	566
71	Neutron rich matter, neutron stars, and their crusts. <i>Journal of Physics: Conference Series</i> , 2011, 312, 042003.	0.3	2
72	Diffusion in Coulomb crystals. <i>Physical Review E</i> , 2011, 84, 016401.	0.8	28

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73	Number dependence of the $\langle \mathbf{I}^3 \rangle$ dispersion correction to the parity-violating asymmetry in elastic scattering. <i>Physical Review C</i> , 2011, 84, .	1.1	63
74	New equation of state for astrophysical simulations. <i>Physical Review C</i> , 2011, 83, .	1.1	144
75	Second relativistic mean field and virial equation of state for astrophysical simulations. <i>Physical Review C</i> , 2011, 83, .	1.1	86
76	MULTI-MESSENGER OBSERVATIONS OF NEUTRON-RICH MATTER. <i>International Journal of Modern Physics E</i> , 2011, 20, 2077-2100.	0.4	6
77	Breaking stress of neutron star crust. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2010, 407, L54-L58.	1.2	94
78	Relativistic effective interaction for nuclei, giant resonances, and neutron stars. <i>Physical Review C</i> , 2010, 82, .	1.1	237
79	Equation of state of nuclear matter in a virial expansion of nucleons and nuclei. <i>Physical Review C</i> , 2010, 82, .	1.1	34
80	Equation of state of dense matter from a density dependent relativistic mean field model. <i>Physical Review C</i> , 2010, 82, .	1.1	44
81	Dispersion corrections to parity violating electron scattering. , 2010, , .		4
82	Gravitational waves from low mass neutron stars. <i>Physical Review D</i> , 2010, 81, .	1.6	31
83	Diffusion of neon in white dwarf stars. <i>Physical Review E</i> , 2010, 82, 066401.	0.8	48
84	Crystallization of Carbon-Oxygen Mixtures in White Dwarf Stars. <i>Physical Review Letters</i> , 2010, 104, 231101.	2.9	81
85	Breaking Strain of Neutron Star Crust and Gravitational Waves. <i>Physical Review Letters</i> , 2009, 102, 191102.	2.9	245
86	Structure of accreted neutron star crust. <i>Physical Review C</i> , 2009, 79, .	1.1	32
87	Dispersion $\langle \mathbf{I}^3 \rangle$ -Box Correction to the Weak Charge of the Proton. <i>Physical Review Letters</i> , 2009, 102, 091806.	2.9	59
88	Thermal conductivity and phase separation of the crust of accreting neutron stars. <i>Physical Review E</i> , 2009, 79, 026103.	0.8	33
89	Loewner's Torus Inequality with Systolic Defect. <i>Journal of Geometric Analysis</i> , 2009, 19, 796-808.	0.5	9
90	The Lead Radius Experiment (PREX) and Parity Violating Measurements of Neutron Densities. , 2009, , .		0

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91	Influence of light nuclei on neutrino-driven supernova outflows. <i>Physical Review C</i> , 2008, 78, .	1.1	88
92	Shear viscosity of the outer crust of neutron stars: Ion contributions. <i>Physical Review C</i> , 2008, 78, .	1.1	5
93	Shell states of neutron-rich matter. <i>Physical Review C</i> , 2008, 78, .	1.1	7
94	Analyzing power in elastic scattering of electrons off a spin-0 target. <i>Physical Review C</i> , 2008, 77, .	1.1	27
95	Fusion of neutron-rich oxygen isotopes in the crust of accreting neutron stars. <i>Physical Review C</i> , 2008, 77, .	1.1	53
96	Shear viscosity and thermal conductivity of nuclear "pasta". <i>Physical Review C</i> , 2008, 78, .	1.1	43
97	Effects of Ion Correlations in Supernovae and Neutron Star Crusts. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	0
98	Phase separation in the crust of accreting neutron stars. <i>Physical Review E</i> , 2007, 75, 066101.	0.8	65
99	Neutrino breakup of $A=3$ nuclei in supernovae. <i>Physical Review C</i> , 2007, 75, .	1.1	57
100	The virial equation of state of low-density neutron matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 638, 153-159.	1.5	84
101	Cluster formation and the virial equation of state of low-density nuclear matter. <i>Nuclear Physics A</i> , 2006, 776, 55-79.	0.6	214
102	Links between heavy ion and astrophysics. <i>European Physical Journal A</i> , 2006, 30, 303-310.	1.0	17
103	Neutrino scattering in heterogeneous supernova plasmas. <i>Physical Review C</i> , 2006, 74, .	1.1	9
104	Parity violation in astrophysics. <i>European Physical Journal A</i> , 2005, 24, 167-170.	1.0	11
105	Vector analyzing power in elastic electron-nucleus scattering. <i>Physical Review C</i> , 2005, 72, .	1.1	26
106	Dynamical response of the nuclear "pasta" in neutron star crusts. <i>Physical Review C</i> , 2005, 72, .	1.1	129
107	Nonuniform neutron-rich matter and coherent neutrino scattering. <i>Physical Review C</i> , 2004, 70, .	1.1	115
108	Neutrino-"pasta" scattering: The opacity of nonuniform neutron-rich matter. <i>Physical Review C</i> , 2004, 69, .	1.1	191

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109	Survey of charge symmetry breaking operators for $\hat{T} \neq 0$. Physical Review C, 2004, 69, .	1.1	38
110	Supernova observation via neutrino-nucleus elastic scattering in the CLEAN detector. Physical Review D, 2003, 68, .	1.6	104
111	Realistic neutrino opacities for supernova simulations with correlations and weak magnetism. Physical Review C, 2003, 68, .	1.1	42
112	Low-Mass Neutron Stars and the Equation of State of Dense Matter. Astrophysical Journal, 2003, 593, 463-471.	1.6	187
113	Supernova 1987A bound on neutrino spectra for r-process nucleosynthesis. Physical Review D, 2002, 65, .	1.6	7
114	Constraining URCA cooling of neutron stars from the neutron radius of ^{208}Pb . Physical Review C, 2002, 66, .	1.1	143
115	Weak magnetism for antineutrinos in supernovae. Physical Review D, 2002, 65, .	1.6	192
116	The Lead Nucleus as a Miniature Surrogate for a Neutron Star. Acta Physica Hungarica A Heavy Ion Physics, 2002, 16, 113-121.	0.4	0
117	Parity Violating Measurements of Neutron Densities: Implications for Neutron Stars. , 2002, , .		0
118	Parity violating measurements of neutron densities. Physical Review C, 2001, 63, .	1.1	305
119	Neutron Star Structure and the Neutron Radius of ^{208}Pb . Physical Review Letters, 2001, 86, 5647-5650.	2.9	713
120	Neutron radii of ^{208}Pb and neutron stars. Physical Review C, 2001, 64, .	1.1	217
121	PARITY VIOLATING MEASUREMENTS OF NEUTRON DENSITIES. , 2001, , .		0
122	Density dependence of charge symmetry breaking. Physical Review C, 2000, 63, .	1.1	4
123	Charge-conjugation violating neutrino interactions in supernovae. Physical Review D, 2000, 61, .	1.6	9
124	Factorization of functions in generalized Nevanlinna classes. Proceedings of the American Mathematical Society, 1999, 127, 745-751.	0.4	3
125	Nucleosynthesis in Supernovae. Physical Review Letters, 1999, 82, 5198-5201.	2.9	26
126	High energy solar neutrinos and p-wave contributions to $^3\text{He}(p, \frac{1}{2}e^+)^4\text{He}$. Physical Review C, 1999, 60, .	1.1	7

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127	Macroscopic parity violation and supernova asymmetries. Nuclear Physics A, 1998, 640, 281-289.	0.6	27
128	Parity violating elastic electron scattering and Coulomb distortions. Physical Review C, 1998, 57, 3430-3436.	1.1	83
129	Cumulative Parity Violation in Supernovae. Physical Review Letters, 1998, 80, 3694-3697.	2.9	55
130	Gardner, Horowitz, and Piekarewicz Reply:. Physical Review Letters, 1997, 78, 1826-1826.	2.9	0
131	Neutrino trapping in a supernova and the screening of weak neutral currents. Physical Review D, 1997, 55, 4577-4581.	1.6	68
132	Detection of atmospheric neutrinos and relativistic nuclear structure effects. Physical Review C, 1996, 53, 3131-3138.	1.1	23
133	Delta excitations in neutrino-nucleus scattering. Physical Review C, 1996, 53, 2468-2473.	1.1	31
134	Isospin-violating meson-nucleon vertices as an alternate mechanism of charge-symmetry breaking. Physical Review C, 1996, 53, 1143-1153.	1.1	10
135	Zero sets and radial zero sets in function spaces. Journal D'Analyse Mathematique, 1995, 65, 145-159.	0.4	9
136	Semiclassical quark model of the nuclear matter response. Computers in Physics, 1995, 9, 450.	0.6	0
137	Charge-Symmetry-Breaking Potentials from Isospin-Violating Meson-Baryon Coupling Constants. Physical Review Letters, 1995, 75, 2462-2465.	2.9	20
138	Relativistic models for quasielastic ($e, e\epsilon^{\text{TM}}$) at large momentum transfers. Physical Review C, 1995, 51, 792-796.	1.1	18
139	Relativistic nuclear structure effects in quasielastic neutrino scattering. Physical Review C, 1995, 51, 2739-2749.	1.1	43
140	Relativistic treatment of spin-transfer observables in quasielastic ($p\hat{t}', n\hat{t}'$) scattering. Physical Review C, 1994, 50, 2540-2552.	1.1	21
141	Parity violation in heavy nuclei in a relativistic Hartree-Fock approximation. Physical Review C, 1994, 49, 3042-3049.	1.1	3
142	Polarizing stored beams by interaction with polarized electrons. Physical Review Letters, 1994, 72, 3981-3984.	2.9	17
143	Role of heavy-meson exchange in pion production near threshold. Physical Review C, 1994, 49, 1337-1346.	1.1	77
144	Meson exchange effects in parity violating electron-deuteron scattering. Physical Review C, 1994, 49, 2777-2780.	1.1	2

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145	Dynamical color correlations in a SU(2) quark exchange model of nuclear matter. Physical Review C, 1994, 50, 1137-1153.	1.1	5
146	Relativistic models of the spin-isospin-weak quasielastic response. Nuclear Physics A, 1994, 577, 137-142.	0.6	1
147	Some conditions on Bergman space zero sets. Journal D'Analyse Mathematique, 1994, 62, 323-348.	0.4	9
148	Relativistic and nuclear structure effects in parity-violating quasielastic electron scattering. Physical Review C, 1993, 47, 2924-2936.	1.1	17
149	Role of heavy meson exchange in near threshold NN π production. Physical Review C, 1993, 48, 2920-2925.	1.1	22
150	Comparison of the quasifree charge-exchange reaction for C12 and Fe54. Physical Review C, 1993, 47, 260-266.	1.1	5
151	Parity-violating quasielastic electron scattering. Physical Review C, 1993, 47, 826-832.	1.1	11
152	Neutrino-nucleus quasifree neutral current reactions and the nucleon strange quark content. Physical Review C, 1993, 48, 3078-3087.	1.1	38
153	Density dependence of nuclear neutrino-pair production. Physical Review Letters, 1992, 69, 2627-2630.	2.9	3
154	Quark models of nuclear matter. Nuclear Physics A, 1992, 536, 669-696.	0.6	25
155	Total cross section for $p + p \rightarrow p + p + \pi^0$ close to threshold. Nuclear Physics A, 1992, 539, 633-661.	0.6	146
156	Neutrino neutral current interactions in nuclear matter. Nuclear Physics A, 1991, 531, 665-684.	0.6	63
157	Nuclear to quark-matter transition in the string-flip model. Physical Review C, 1991, 44, 2753-2764.	1.1	14
158	Neutrino interactions in a dense plasma. Physical Review Letters, 1991, 66, 272-275.	2.9	39
159	Cold nuclear fusion in dense metallic hydrogen. Astrophysical Journal, 1991, 367, 288.	1.6	4
160	Relativistic Effects on Spin Observables. , 1991, , 415-431.		0
161	Nuclear response functions in quasielastic electron scattering. Nuclear Physics A, 1990, 511, 461-486.	0.6	64
162	Quasielastic Electron Scattering and Vacuum Polarization. Physical Review Letters, 1989, 62, 391-394.	2.9	67

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163	Cold nuclear fusion in metallic hydrogen and normal metals. <i>Physical Review C</i> , 1989, 40, R1555-R1558.	1.1	9
164	Collective modes in a relativistic meson-nucleon system. <i>Nuclear Physics A</i> , 1989, 501, 729-750.	0.6	64
165	Vacuum polarization effects on meson propagators. <i>Nuclear Physics A</i> , 1988, 485, 632-652.	0.6	75
166	Comment on "Relativistic Hartree Calculations for Axially Deformed Nuclei". <i>Physical Review Letters</i> , 1988, 60, 162-162.	2.9	4
167	Quasielastic proton-nucleus scattering in a relativistic plane-wave impulse approximation. <i>Physical Review C</i> , 1988, 37, 2032-2050.	1.1	47
168	Microscopic relativistic description of proton-nucleus scattering. <i>Physical Review C</i> , 1987, 35, 1442-1462.	1.1	129
169	The relativistic two-nucleon problem in nuclear matter. <i>Nuclear Physics A</i> , 1987, 464, 613-699.	0.6	221
170	Relativistic effects on spin observables in quasielastic proton scattering. <i>Physical Review C</i> , 1986, 33, 2059-2069.	1.1	65
171	Resolution of the magnetic moment problem in relativistic theories. <i>Physical Review C</i> , 1986, 34, 746-749.	1.1	56
172	Hadron structure in a simple model of quark/nuclear matter. <i>Physical Review D</i> , 1985, 31, 1689-1699.	1.6	59
173	Hadron-hadron interaction in a string-flip model of quark confinement. II. Nucleon-nucleon interaction. <i>Physical Review D</i> , 1985, 31, 2773-2779.	1.6	36
174	Relativistic Love-Franey model: Covariant representation of the NN interaction for N-nucleus scattering. <i>Physical Review C</i> , 1985, 31, 1340-1348.	1.1	115
175	A Two Phase Description of Hot Dense Nuclear Matter and Quark Gluon Plasma. <i>Annalen Der Physik</i> , 1984, 496, 291-297.	0.9	3
176	The lorentz structure of the imaginary optical potential. <i>Nuclear Physics A</i> , 1984, 412, 228-252.	0.6	29
177	Properties of nuclear and neutron matter in a relativistic Hartree-Fock theory. <i>Nuclear Physics A</i> , 1983, 399, 529-562.	0.6	162
178	Isovector giant resonances in a relativistic mean-field theory. <i>Nuclear Physics A</i> , 1981, 364, 429-445.	0.6	15
179	Self-consistent hartree description of finite nuclei in a relativistic quantum field theory. <i>Nuclear Physics A</i> , 1981, 368, 503-528.	0.6	748
180	Functional representation of Liu and Siegbahn's accurate ab initio potential energy calculations for H+H2. <i>Journal of Chemical Physics</i> , 1978, 68, 2466-2476.	1.2	557

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181	Zeros of functions in the Bergman spaces. Duke Mathematical Journal, 1974, 41, 693.	0.8	108
182	Zeros of functions in the Bergman spaces. Bulletin of the American Mathematical Society, 1974, 80, 713-715.	3.0	13