Willem H Dickhoff

List of Publications by Year
in descending order

133	3,933	94433	144013
papers	citations	37 h-index	57 g-index

136	136	136	1233
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	First application of the dispersive optical model to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo> reaction analysis within the distorted-wave impulse approximation framework. Physical Review C, 2022, 105, .	2.9	2
2	Quenching of single-particle strength from direct reactions with stable and rare-isotope beams. Progress in Particle and Nuclear Physics, 2021, 118, 103847.	14.4	64
3	Linking Nuclear Reactions and Nuclear Structure to Study Exotic Nuclei Using the Dispersive Optical Model. Springer Proceedings in Physics, 2021, , 83-90.	0.2	0
4	Reply to â€œComment on â€˜Reexamining the relation between the binding energy of finite nuclei and the equation of state of infinite nuclear matterâ€™ â€• Physical Review C, 2021, 104, .	2.9	0
5	Reexamining the relation between the binding energy of finite nuclei and the equation of state of infinite nuclear matter. Physical Review C, 2020, 102, .	2.9	16
6	Systematic Matter and Binding-Energy Distributions from a Dispersive Optical Model Analysis. Physical Review Letters, 2020, 125, 102501.	7.8	20
7	Isotopically resolved neutron total cross sections at intermediate energies. Physical Review C, 2020, 102, .	2.9	20
8	Dispersive optical model analysis of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pb</mml:mi><mml:mprescripts /><mml:none /><mml:mn>208</mml:mn></mml:mmultiscripts></mml:math> generating a neutron-skin prediction beyond the mean field. Physical Review C, 2020, 101, .	2.9	28
9	White paper: from bound states to the continuum. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 123001.	3.6	38
10	Combining nuclear reactions and structure with the dispersive optical model. Journal of Physics: Conference Series, 2020, 1643, 012082.	0.4	1
11	Investigating the link between proton reaction cross sections and the quenching of proton spectroscopic factors in 48Ca. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 135027.	4.1	19
12	Recent developments for the optical model of nuclei. Progress in Particle and Nuclear Physics, 2019, 105, 252-299.	14.4	59
13	Beyond BCS pairing in high-density neutron matter. Journal of Physics: Conference Series, 2018, 940, 012014.	0.4	1
14	Validity of the distorted-wave impulse-approximation description of Ca40(e,eâ€²p)K39 data using only ingredients from a nonlocal dispersive optical model. Physical Review C, 2018, 98, .	2.9	21
15	Novel applications of the dispersive optical model. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 033001.	3.6	41
16	Toward a complete theory for predicting inclusive deuteron breakup away from stability. European Physical Journal A, 2017, 53, 1.	2.5	62
17	Neutron Skin Thickness of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ca</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>48</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> from a Nonlocal Dispersive Optical-Model Analysis. Physical Review Letters, 2017, 119, 222503.	7.8	38
18	Pairing and Short-Range Correlations in Nuclear Systems. Journal of Low Temperature Physics, 2017, 189, 234-249.	1.4	15

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19	Forging the link between nuclear reactions and nuclear structure. EPJ Web of Conferences, 2016, 122, 09003.	0.3	1
20	Pairing in high-density neutron matter including short- and long-range correlations. Physical Review C, 2016, 94, .	2.9	65
21	A further update on possible crises in nuclear-matter theory. Journal of Physics: Conference Series, 2016, 702, 012013.	0.4	3
22	Publisher's Note: Pairing in high-density neutron matter including short- and long-range correlations [Phys. Rev. C94, 025802 (2016)]. Physical Review C, 2016, 94, .	2.9	8
23	Effects of nonlocal potentials on(p,d)transfer reactions. Physical Review C, 2015, 92, .	2.9	30
24	Pairing in bulk nuclear matter beyond BCS. , 2014, , .		0
25	Elastic nucleon-nucleus scattering as a direct probe of correlations beyond the independent-particle model. Physical Review C, 2014, 90, .	2.9	16
26	Isospin dependence of nucleon correlations in ground-state nuclei. European Physical Journal A, 2014, 50, 1.	2.5	10
27	Forging the Link between Nuclear Reactions and Nuclear Structure. Physical Review Letters, 2014, 112, 162503.	7.8	65
28	Density and isospin-asymmetry dependence of high-momentum components. Physical Review C, 2014, 89, .	2.9	87
29	Role of short-range and tensor correlations in nuclei. Journal of Physics: Conference Series, 2011, 312, 022007.	0.4	1
30	Role of short-range and tensor correlations in nuclei. Journal of Physics: Conference Series, 2011, 321, 012038.	0.4	0
31	Microscopic self-energy calculations and dispersive optical-model potentials. Physical Review C, 2011, 84, .	2.9	50
32	Asymmetry dependence of nucleon correlations in spherical nuclei extracted from a dispersive-optical-model analysis. Physical Review C, 2011, 83, .	2.9	63
33	Transfer reactions and the dispersive optical model. Physical Review C, 2011, 84, .	2.9	17
34	Microscopic self-energy of40Ca from the charge-dependent Bonn potential. Physical Review C, 2011, 84, .	2.9	24
35	Toward a Global Dispersive Optical Model for the Driplines. Nuclear Physics A, 2010, 834, 788c-791c.	1.5	2
36	Determining and calculating spectroscopic factors from stable nuclei to the drip lines. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 064007.	3.6	19

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37	Nucleon correlations and the equation of state of nuclear matter. , 2010, , .		0
38	Nonlocal extension of the dispersive optical model to describe data below the Fermi energy. Physical Review C, 2010, 82, .	2.9	35
39	SPECTROSCOPIC FACTORS IN 16O AND NUCLEON ASYMMETRY. International Journal of Modern Physics A, 2009, 24, 2060-2068.	1.5	27
40	A Secure Path to the Dripline Based on Theory and Experiment. , 2009, , .		0
41	Depletion of the nuclear Fermi sea. Physical Review C, 2009, 79, .	2.9	66
42	CORRELATIONS AS A FUNCTION OF NUCLEON ASYMMETRY: THE LURE OF DRIPLINE PHYSICS. , 2008, , .		0
43	PAIRING OF STRONGLY CORRELATED NUCLEONS. International Journal of Modern Physics B, 2007, 21, 2395-2406.	2.0	1
44	Dispersive-optical-model analysis of the asymmetry dependence of correlations in Ca isotopes. Physical Review C, 2007, 76, .	2.9	59
45	Quasiparticles in neon using the Faddeev random-phase approximation. Physical Review A, 2007, 76, .	2.5	42
46	PAIRING OF STRONGLY CORRELATED NUCLEONS. , 2007, , .		0
47	Asymmetry Dependence of Proton Correlations. Physical Review Letters, 2006, 97, 162503.	7.8	63
48	Pairing Properties of Dressed Nucleons in Infinite Matter. Series on Advances in Quantum Many-body Theory, 2006, , 175-199.	0.2	0
49	Nucleon knockout experiments and configuration mixing in nuclei. Journal of Physics: Conference Series, 2005, 20, 89-94.	0.4	0
50	Correlation effects on the nonmesonic weak decay of the Î› hyperon in nuclear matter. Physical Review C, 2005, 72, .	2.9	2
51	Self-consistent Green's function calculations of16O at small missing energies. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1301-S1309.	3.6	1
52	Pairing properties of nucleonic matter employing dressed nucleons. Physical Review C, 2005, 72, .	2.9	53
53	Effects of nuclear correlations on theO16(e,eâ€²pN)reactions to discrete final states. Physical Review C, 2004, 70, .	2.9	26
54	Correlation effects onÎ›propagation in nuclear matter. Physical Review C, 2004, 70, .	2.9	6

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55	Self-consistent Green's function method for nuclei and nuclear matter. Progress in Particle and Nuclear Physics, 2004, 52, 377-496.	14.4	412
56	Spectroscopic information from different theoretical descriptions of (un)polarized (e, eâ€²p) reactions. European Physical Journal A, 2003, 17, 65-69.	2.5	29
57	Saturation of Nuclear Matter and Short-Range Correlations. Physical Review Letters, 2003, 90, 152501.	7.8	87
58	Extension of the random phase approximation including the self-consistent coupling to two-phonon contributions. Physical Review C, 2003, 68, .	2.9	27
59	SATURATION PROPERTIES OF NUCLEAR MATTER AND CORRELATED NUCLEONS. International Journal of Modern Physics B, 2003, 17, 5151-5161.	2.0	1
60	PROPERTIES OF NUCLEONS AND THEIR INTERACTION IN THE NUCLEAR MEDIUM. , 2003, , .		0
61	Faddeev treatment of long-range correlations and the one-hole spectral function of16O. Physical Review C, 2002, 65, .	2.9	50
62	Consistency of spectroscopic factors from(e,eâ€²p)reactions at different momentum transfers. Physical Review C, 2002, 66, .	2.9	10
63	TWO-BODY CORRELATIONS AND THE ONE-BODY DENSITY MATRIX IN FINITE NUCLEI. , 2002, , .		0
64	SATURATION PROPERTIES OF NUCLEAR MATTER AND CORRELATED NUCLEONS. , 2002, , .		0
65	Faddeev description of two-holeâ€“one-particle motion and the single-particle spectral function. Physical Review C, 2001, 63, .	2.9	54
66	TO DRESS OR NOT TO DRESS â€¦. , 2001, , .		0
67	Îb polarization in Z0 decays at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 474, 205-222.	4.1	14
68	Evidence for short-range correlations in 16O. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 474, 33-40.	4.1	54
69	The Nucleon Propagator in the Nuclear Medium. International Review of Nuclear Physics, 1999, , 326-380.	1.0	0
70	SCATTERING OF DRESSED NUCLEONS IN THE NUCLEAR MEDIUM. International Journal of Modern Physics B, 1999, 13, 559-567.	2.0	0
71	Phase shifts and in-medium cross sections for dressed nucleons in nuclear matter. Physical Review C, 1999, 60, .	2.9	28
72	Selectivity of the16O(e,eâ€²pp)reaction to discrete final states. Physical Review C, 1998, 57, 1691-1702.	2.9	43

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73	Signatures for Short-Range Correlations inO16Observed in the ReactionO16(e,eâ€²pp)C14. Physical Review Letters, 1998, 81, 2213-2216.	7.8	67
74	Scattering of dressed nucleons in nuclear matter. Physical Review C, 1998, 58, 2807-2820.	2.9	26
75	High-momentum proton removal from16Oand the(e,eâ€²p)cross section. Physical Review C, 1997, 55, 810-819.	2.9	23
76	Hole spectral function and two-particleâ€“one-hole response propagator. Physical Review C, 1996, 53, 201-213.	2.9	17
77	Two-nucleon spectral function ofO16at high momenta. Physical Review C, 1996, 54, 1144-1157.	2.9	31
78	Spectroscopic factors for nucleon knock-out fromO16at small missing energy. Physical Review C, 1996, 53, 2207-2212.	2.9	34
79	SOME CONSEQUENCES OF DRESSING NUCLEONS. International Journal of Modern Physics E, 1996, 05, 461-487.	1.0	5
80	Short-range correlations and the one-body density matrix in finite nuclei. Nuclear Physics A, 1995, 594, 117-136.	1.5	19
81	Short range correlations and spectral functions for nuclear matter and finite nuclei. Progress in Particle and Nuclear Physics, 1995, 34, 371-380.	14.4	3
82	Momentum and energy distributions of nucleons in finite nuclei due to short-range correlations. Physical Review C, 1995, 51, 3040-3051.	2.9	75
83	Single Particle Spectral Function for Finite Nuclei. Few-Body Systems, 1995, , 54-59.	0.2	0
84	NONLINEAR ASPECTS OF NUCLEAR MANY-BODY THEORY. International Journal of Modern Physics C, 1994, 05, 285-287.	1.7	0
85	Effective local interactions and the equation of state for nuclear matter and finite nuclei. Journal of Physics G: Nuclear and Particle Physics, 1994, 20, 425-440.	3.6	7
86	Gamow-Teller (p,n) and (n,p) strength in a dressed extended random phase approximation. Physical Review C, 1994, 50, 514-517.	2.9	8
87	A nucleon in the nuclear medium: A tale of all energiesâ˜†. Physics Reports, 1994, 242, 119-137.	25.6	8
88	Energy weighted sum rules for spectral functions in nuclear matter. Physical Review C, 1994, 49, 3050-3054.	2.9	19
89	Single-particle spectral function ofO16. Physical Review C, 1994, 49, R17-R20.	2.9	73
90	Influence of tensor and short-range correlations on nucleon properties in the nuclear medium. Nuclear Physics A, 1993, 555, 1-32.	1.5	65

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91	Spin-isospin strength and spectral functions. Physical Review C, 1993, 48, 1752-1764.	2.9	18
92	Nucleon properties in the nuclear medium. Reports on Progress in Physics, 1992, 55, 1947-2023.	20.1	81
93	Hole spectral functions and collective excitations. Nuclear Physics A, 1992, 550, 159-178.	1.5	34
94	Fermi Liquid and â€œQCDâ€•Aspects of the Nucleus. , 1992, , 15-28.		0
95	Binding energy and momentum distribution of nuclear matter using Greenâ€™s function methods. Physical Review C, 1991, 43, 2239-2253.	2.9	21
96	Distribution of single-particle strength due to short-range and tensor correlations. Physical Review C, 1991, 44, R1265-R1268.	2.9	46
97	Fragmentation of single-particle strength and the validity of the shell model. Nuclear Physics A, 1991, 531, 253-284.	1.5	37
98	Bound pair states in nuclear matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 253, 1-8.	4.1	58
99	Short Range Correlations and Single Particle Spectral Functions in Nuclear Matter. , 1991, , 417-428.		0
100	Nuclear response beyond mean field theory. Nuclear Physics A, 1990, 509, 1-38.	1.5	39
101	Nuclear response in an extended RPA formalism; an application to 48Ca 0103. Progress in Particle and Nuclear Physics, 1990, 24, 61-70.	14.4	0
102	Various approaches to the linear response in the near-asymptotic regime. Physical Review B, 1990, 42, 10004-10011.	3.2	6
103	The Foundation of The Nuclear Shell Model. , 1990, , 273-281.		0
104	A New State of Nuclear Matter. , 1990, , 141-153.		1
105	Hole-hole propagation and saturation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 219, 15-21.	4.1	22
106	Single-particle properties and short-range correlations in nuclear matter. Nuclear Physics A, 1989, 503, 1-52.	1.5	145
107	Spectral Functions and the Momentum Distribution of Nuclear Matter. NATO ASI Series Series B: Physics, 1989, , 615-624.	0.2	0
108	Single-Particle Strength and Nuclear Response Functions. , 1989, , 345-349.		0

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109	Conserving RPA and the response of 48Ca. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 214, 483-489.	4.1	16
110	Connection between brueckner ladders and pairing correlations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 210, 15-19.	4.1	32
111	The Particle-Hole Interaction in Finite Nuclei. , 1988, , 261-267.		2
112	Saturation in Nuclear Matter: a New Perspective. , 1988, , 319-332.		1
113	High-momentum phonon exchange and the effective shell-model interaction. Journal of Physics G: Nuclear Physics, 1987, 13, 463-479.	0.8	0
114	Self-consistent medium polarization in spin-polarizedHe3. Physical Review B, 1987, 36, 5138-5151.	3.2	8
115	Self-consistent treatment of collective excitations in nuclear matter. Nuclear Physics A, 1987, 473, 394-428.	1.5	33
116	Effective operator for the transition density. Nuclear Physics A, 1987, 465, 189-206.	1.5	6
117	Self-consistent medium polarization in RPA. Nuclear Physics A, 1986, 451, 269-298.	1.5	19
118	Î”isobars in finite nuclei and nuclear matter. Physical Review C, 1986, 33, 1753-1761.	2.9	11
119	Application of realistic meson-exchange forces in the broken-pair model. Nuclear Physics A, 1985, 435, 381-396.	1.5	16
120	Microscopic description of heavy-ion scattering in the nuclear matter picture. Nuclear Physics A, 1985, 443, 499-524.	1.5	53
121	The volume and surface contributions to the ion-ion optical potential. Journal of Physics G: Nuclear Physics, 1985, 11, 763-784.	0.8	9
122	Local forces and the 16O reaction matrix. Nuclear Physics A, 1984, 427, 224-234.	1.5	18
123	Nuclear many-body theory with inclusion of isobars: a new perspective. Progress in Particle and Nuclear Physics, 1984, 11, 529-547.	14.4	5
124	The reaction mechanism of heavy ion scattering at intermediate energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 149, 459-464.	4.1	8
125	Spin-isospin excitations in finite nuclei and nuclear matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 146, 1-6.	4.1	10
126	Microscopic approach to real and imaginary part of the heavy ion potential. Nuclear Physics A, 1984, 428, 271-283.	1.5	36

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127	The screening of the particle-hole interaction to all orders. Nuclear Physics A, 1983, 405, 534-556.	1.5	72
128	The exchange of effective mesons between nucleons in nuclei. Nuclear Physics A, 1983, 399, 287-306.	1.5	62
129	How Strong is the Rho-Meson Exchange in theNNInteraction?. Physical Review Letters, 1982, 49, 1902-1905.	7.8	16
130	Multiple Î”(3, 3) excitation and the binding energy of nuclear matter. Nuclear Physics A, 1982, 389, 492-508.	1.5	25
131	A neutron decoupled from a rotating odd core in 114Sb and 116Sb. Nuclear Physics A, 1982, 379, 35-60.	1.5	38
132	The quasiparticle interaction, a shield of nuclear matter against pion condensation. Nuclear Physics A, 1981, 368, 445-476.	1.5	74
133	Pion condensation and realistic interactions. Physical Review C, 1981, 23, 1154-1173.	2.9	78