

# Howard R Reiss

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

2,286  
citations

567144

15  
h-index

345118

36  
g-index

40  
all docs

40  
docs citations

40  
times ranked

829  
citing authors

#	ARTICLE	IF	CITATIONS
1	No light at the end of the tunnel. <i>European Physical Journal D</i> , 2021, 75, 1.	0.6	3
2	Fundamental formulation of light-matter interactions revisited. <i>Physical Review A</i> , 2019, 100, .	1.0	7
3	Physical restrictions on the choice of electromagnetic gauge and their practical consequences. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 075003.	0.6	5
4	Altered Maxwell equations in the length gauge. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 175601.	0.6	10
5	Relativistic effects in nonrelativistic ionization. <i>Physical Review A</i> , 2013, 87, .	1.0	37
6	On a modified electrodynamics. <i>Journal of Modern Optics</i> , 2012, 59, 1371-1383.	0.6	13
7	David Fisherovich Zaretsky (1926–2010). <i>Laser Physics</i> , 2011, 21, 637-638.	0.6	0
8	Unsuitability of the Keldysh parameter for laser fields. <i>Physical Review A</i> , 2010, 82, .	1.0	27
9	Foundations of Strong-Field Physics. <i>Springer Series in Chemical Physics</i> , 2010, , 41-84.	0.2	4
10	Special analytical properties of ultrastrong coherent fields. <i>European Physical Journal D</i> , 2009, 55, 365-374.	0.6	34
11	Dependence of physical interpretations on the choice of electromagnetic gauge. <i>Laser Physics</i> , 2009, 19, 1626-1634.	0.6	0
12	Proton acceleration in the electrostatic sheaths of hot electrons governed by strongly relativistic laser-absorption processes. <i>Physical Review E</i> , 2008, 77, 016403.	0.8	14
13	Comment on “Photodetachment in a strong laser field: An experimental test of Keldysh-like theories”. <i>Physical Review A</i> , 2008, 77, .	1.0	8
14	Inherent contradictions in the tunneling-multiphoton dichotomy. <i>Physical Review A</i> , 2007, 75, .	1.0	23
15	Mixed quantum and classical processes in strong fields. <i>Physical Review A</i> , 2007, 75, .	1.0	10
16	Velocity-gauge theory for the treatment of strong-field photodetachment. <i>Physical Review A</i> , 2007, 76, .	1.0	26
17	Spectra of atoms at nonperturbative laser intensities. <i>Physical Review A</i> , 2002, 65, .	1.0	13
18	Stabilization in relativistic photoionization with circularly polarized light. <i>Physical Review A</i> , 1994, 50, 1844-1850.	1.0	50

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19	Approximation for a Coulomb-Volkov solution in strong fields. Physical Review A, 1994, 50, R910-R912.	1.0	58
20	Multiphoton and tunnel ionization by an optical field with polar asymmetry. Physical Review A, 1993, 48, 1497-1505.	1.0	23
21	Reply to "Comment on 'Complete Keldysh theory and its limiting cases'". Physical Review A, 1992, 45, 2140-2141.	1.0	6
22	Frequency and polarization effects in stabilization. Physical Review A, 1992, 46, 391-394.	1.0	31
23	Strong-field approximation in photoionization. Radiation Effects and Defects in Solids, 1991, 122-123, 693-710.	0.4	1
24	Keldysh approximation in one and three dimensions. Physical Review A, 1990, 41, 6530-6532.	1.0	6
25	Complete Keldysh theory and its limiting cases. Physical Review A, 1990, 42, 1476-1486.	1.0	144
26	Analytically simple dressing of bound-state wave functions. Physical Review A, 1989, 39, 2449-2455.	1.0	5
27	Multipole expansions and intense fields. Physical Review A, 1984, 29, 698-703.	1.0	5
28	Properties of the momentum-translation approximation. Physical Review A, 1981, 23, 3019-3033.	1.0	19
29	Gauges for intense-field electrodynamics. Physical Review A, 1980, 22, 770-772.	1.0	13
30	Effect of an intense electromagnetic field on a weakly bound system. Physical Review A, 1980, 22, 1786-1813.	1.0	1,444
31	Field intensity and relativistic considerations in the choice of gauge in electrodynamics. Physical Review A, 1979, 19, 1140-1150.	1.0	55
32	Evaluation of the "mean frequency" technique. Physical Review A, 1976, 13, 1801-1804.	1.0	0
33	Nonperturbative path-integral approximations. Physical Review D, 1975, 11, 388-394.	1.6	7
34	Momentum-Translation Approximation outside Its Domain of Applicability. Physical Review A, 1973, 7, 21-27.	1.0	12
35	Approximate Perturbation Theory for High-Order Electromagnetic Transitions. Physical Review A, 1972, 6, 817-822.	1.0	28
36	Multiphoton Transition in Hydrogen between 1S and 2P Levels. Physical Review A, 1972, 6, 1252-1255.	1.0	7

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37	Semiclassical Electrodynamics of Bound Systems in Intense Fields. Physical Review A, 1970, 1, 803-818.	1.0	133