

# Howard R Reiss

## List of Publications by Year in descending order

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37  
papers

2,286  
citations

567281

15  
h-index

345221

36  
g-index

40  
all docs

40  
docs citations

40  
times ranked

829  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of an intense electromagnetic field on a weakly bound system. <i>Physical Review A</i> , 1980, 22, 1786-1813.	2.5	1,444
2	Complete Keldysh theory and its limiting cases. <i>Physical Review A</i> , 1990, 42, 1476-1486.	2.5	144
3	Semiclassical Electrodynamics of Bound Systems in Intense Fields. <i>Physical Review A</i> , 1970, 1, 803-818.	2.5	133
4	Approximation for a Coulomb-Volkov solution in strong fields. <i>Physical Review A</i> , 1994, 50, R910-R912.	2.5	58
5	Field intensity and relativistic considerations in the choice of gauge in electrodynamics. <i>Physical Review A</i> , 1979, 19, 1140-1150.	2.5	55
6	Stabilization in relativistic photoionization with circularly polarized light. <i>Physical Review A</i> , 1994, 50, 1844-1850.	2.5	50
7	Relativistic effects in nonrelativistic ionization. <i>Physical Review A</i> , 2013, 87, .	2.5	37
8	Special analytical properties of ultrastrong coherent fields. <i>European Physical Journal D</i> , 2009, 55, 365-374.	1.3	34
9	Frequency and polarization effects in stabilization. <i>Physical Review A</i> , 1992, 46, 391-394.	2.5	31
10	Approximate Perturbation Theory for High-Order Electromagnetic Transitions. <i>Physical Review A</i> , 1972, 6, 817-822.	2.5	28
11	Unsuitability of the Keldysh parameter for laser fields. <i>Physical Review A</i> , 2010, 82, .	2.5	27
12	Velocity-gauge theory for the treatment of strong-field photodetachment. <i>Physical Review A</i> , 2007, 76, .	2.5	26
13	Multiphoton and tunnel ionization by an optical field with polar asymmetry. <i>Physical Review A</i> , 1993, 48, 1497-1505.	2.5	23
14	Inherent contradictions in the tunneling-multiphoton dichotomy. <i>Physical Review A</i> , 2007, 75, .	2.5	23
15	Properties of the momentum-translation approximation. <i>Physical Review A</i> , 1981, 23, 3019-3033.	2.5	19
16	Proton acceleration in the electrostatic sheaths of hot electrons governed by strongly relativistic laser-absorption processes. <i>Physical Review E</i> , 2008, 77, 016403.	2.1	14
17	Gauges for intense-field electrodynamics. <i>Physical Review A</i> , 1980, 22, 770-772.	2.5	13
18	Spectra of atoms at nonperturbative laser intensities. <i>Physical Review A</i> , 2002, 65, .	2.5	13

#	ARTICLE	IF	CITATIONS
19	On a modified electrodynamics. Journal of Modern Optics, 2012, 59, 1371-1383.	1.3	13
20	Momentum-Translation Approximation outside Its Domain of Applicability. Physical Review A, 1973, 7, 21-27.	2.5	12
21	Mixed quantum and classical processes in strong fields. Physical Review A, 2007, 75, .	2.5	10
22	Altered Maxwell equations in the length gauge. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 175601.	1.5	10
23	Comment on "Photodetachment in a strong laser field: An experimental test of Keldysh-like theories". Physical Review A, 2008, 77, .	2.5	8
24	Multiphoton Transition in Hydrogen between 1S and 2P Levels. Physical Review A, 1972, 6, 1252-1255.	2.5	7
25	Nonperturbative path-integral approximations. Physical Review D, 1975, 11, 388-394.	4.7	7
26	Fundamental formulation of light-matter interactions revisited. Physical Review A, 2019, 100, .	2.5	7
27	Keldysh approximation in one and three dimensions. Physical Review A, 1990, 41, 6530-6532.	2.5	6
28	Reply to "Comment on 'Complete Keldysh theory and its limiting cases'". Physical Review A, 1992, 45, 2140-2141.	2.5	6
29	Multipole expansions and intense fields. Physical Review A, 1984, 29, 698-703.	2.5	5
30	Analytically simple dressing of bound-state wave functions. Physical Review A, 1989, 39, 2449-2455.	2.5	5
31	Physical restrictions on the choice of electromagnetic gauge and their practical consequences. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 075003.	1.5	5
32	Foundations of Strong-Field Physics. Springer Series in Chemical Physics, 2010, , 41-84.	0.2	4
33	No light at the end of the tunnel. European Physical Journal D, 2021, 75, 1.	1.3	3
34	Strong-field approximation in photoionization. Radiation Effects and Defects in Solids, 1991, 122-123, 693-710.	1.2	1
35	Evaluation of the "mean frequency" technique. Physical Review A, 1976, 13, 1801-1804.	2.5	0
36	Dependence of physical interpretations on the choice of electromagnetic gauge. Laser Physics, 2009, 19, 1626-1634.	1.2	0

#	ARTICLE	IF	CITATIONS
37	David Fisherovich Zaretsky (1926–2010). Laser Physics, 2011, 21, 637-638.	1.2	0