

# Peter J Mohr

## List of Publications by Year in descending order

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42  
papers

7,863  
citations

186209

28  
h-index

289141

40  
g-index

42  
all docs

42  
docs citations

42  
times ranked

5234  
citing authors

#	ARTICLE	IF	CITATIONS
1	CODATA recommended values of the fundamental physical constants: 2018. <i>Reviews of Modern Physics</i> , 2021, 93, .	16.4	264
2	CODATA Recommended Values of the Fundamental Physical Constants: 2018. <i>Journal of Physical and Chemical Reference Data</i> , 2021, 50, .	1.9	81
3	Data and analysis for the CODATA 2017 special fundamental constants adjustment. <i>Metrologia</i> , 2018, 55, 125-146.	0.6	135
4	Introduction to Bound-State Quantum Electrodynamics. , 2017, , 131-241.		7
5	CODATA Recommended Values of the Fundamental Physical Constants: 2014. <i>Journal of Physical and Chemical Reference Data</i> , 2016, 45, .	1.9	201
6	CODATA recommended values of the fundamental physical constants: 2014. <i>Reviews of Modern Physics</i> , 2016, 88, .	16.4	791
7	Introduction to Bound-State Quantum Electrodynamics. , 2016, , 1-110.		2
8	Advances in Determination of Fundamental Constants. <i>Journal of Physical and Chemical Reference Data</i> , 2015, 44, .	1.9	8
9	Dimensionless units in the SI. <i>Metrologia</i> , 2015, 52, 40-47.	0.6	54
10	Reply to Comments on "Dimensionless units in the SI". <i>Metrologia</i> , 2015, 52, 617-618.	0.6	5
11	Coordinate-space approach to vacuum polarization. <i>Physical Review A</i> , 2014, 89, .	1.0	19
12	Tests of Theory in Rydberg States of One-Electron Ions. <i>Springer Tracts in Modern Physics</i> , 2014, , 375-404.	0.1	1
13	Bound-state field-theory approach to proton-structure effects in muonic hydrogen. <i>Physical Review A</i> , 2013, 87, .	1.0	6
14	CODATA recommended values of the fundamental physical constants: 2010. <i>Reviews of Modern Physics</i> , 2012, 84, 1527-1605.	16.4	1,194
15	CODATA Recommended Values of the Fundamental Physical Constants: 2010. <i>Journal of Physical and Chemical Reference Data</i> , 2012, 41, 043109.	1.9	113
16	Adapting the International System of Units to the twenty-first century. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 3907-3924.	1.6	66
17	Solutions of the Maxwell equations and photon wave functions. <i>Annals of Physics</i> , 2010, 325, 607-663.	1.0	24
18	Fundamental constants and tests of theory in Rydberg states of one-electron ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 074002.	0.6	20

#	ARTICLE	IF	CITATIONS
19	Resource Letter FC-1: The physics of fundamental constants. American Journal of Physics, 2010, 78, 338-358.	0.3	8
20	Fundamental constants and tests of theory in Rydberg states of hydrogenlike ions This paper was presented at the International Conference on Precision Physics of Simple Atomic Systems, held at University of Windsor, Windsor, Ontario, Canada on 21-26 July 2008. Canadian Journal of Physics, 2009, 87, 757-762.	0.4	5
21	CODATA recommended values of the fundamental physical constants: 2006. Journal of Physical and Chemical Reference Data, 2008, 37, 1187-1284.	1.9	116
22	CODATA recommended values of the fundamental physical constants: 2006. Reviews of Modern Physics, 2008, 80, 633-730.	16.4	881
23	Redefinition of the kilogram, ampere, kelvin and mole: a proposed approach to implementing CIPM recommendation 1 (CI-2005). Metrologia, 2006, 43, 227-246.	0.6	336
24	The fundamental constants and theory. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2005, 363, 2123-2137.	1.6	2
25	QED and the fundamental constants. Nuclear Instruments & Methods in Physics Research B, 2005, 235, 1-6.	0.6	1
26	Self-energy values for P states in hydrogen and low-Z hydrogenlike ions. Physical Review A, 2005, 72, .	1.0	10
27	Precise Calculation of Transition Frequencies of Hydrogen and Deuterium Based on a Least-Squares Analysis. Physical Review Letters, 2005, 95, 163003.	2.9	40
28	CODATA recommended values of the fundamental physical constants: 2002. Reviews of Modern Physics, 2005, 77, 1-107.	16.4	657
29	Electron self-energy for higher excited levels. Physical Review A, 2004, 69, .	1.0	29
30	Electron self-energy for the K and L shells at low nuclear charge. Physical Review A, 2001, 63, .	1.0	68
31	CODATA recommended values of the fundamental physical constants: 1998. Reviews of Modern Physics, 2000, 72, 351-495.	16.4	763
32	CODATA Recommended Values of the Fundamental Physical Constants: 1998. Journal of Physical and Chemical Reference Data, 1999, 28, 1713-1852.	1.9	283
33	Calculation of the Electron Self-Energy for Low Nuclear Charge. Physical Review Letters, 1999, 82, 53-56.	2.9	115
34	QED corrections in heavy atoms. Physics Reports, 1998, 293, 227-369.	10.3	365
35	Coordinate-space approach to the bound-electron self-energy. Physical Review A, 1992, 46, 172-185.	1.0	47
36	Vacuum polarization in a strong external field. Physical Review A, 1988, 38, 5066-5075.	1.0	161

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37	Quantum electrodynamics of high-Z few-electron atoms. <i>Physical Review A</i> , 1985, 32, 1949-1957.	1.0	78
38	Energy levels of hydrogen-like atoms predicted by quantum electrodynamics, $10^{-4}Z^4$ . <i>Atomic Data and Nuclear Data Tables</i> , 1983, 29, 453-466.	0.9	205
39	Self-energy of the $n=2$ states in a strong Coulomb field. <i>Physical Review A</i> , 1982, 26, 2338-2354.	1.0	236
40	Forbidden Transitions in One- and Two-Electron Atoms. <i>Advances in Atomic and Molecular Physics</i> , 1979, 14, 181-224.	2.0	78
41	$E1$ Interference in Radiative Decay of Hydrogenlike Atoms in an Electric Field. <i>Physical Review Letters</i> , 1978, 40, 854-856.	2.9	36
42	Self-energy radiative corrections in hydrogen-like systems. <i>Annals of Physics</i> , 1974, 88, 26-51.	1.0	352