

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: 2010. <i>Reviews of Modern Physics</i> , 2012, 84, 1527-1605.	16.4	1,194
2	CODATA recommended values of the fundamental physical constants: 2006. <i>Reviews of Modern Physics</i> , 2008, 80, 633-730.	16.4	881
3	CODATA recommended values of the fundamental physical constants: 2014. <i>Reviews of Modern Physics</i> , 2016, 88, .	16.4	791
4	CODATA recommended values of the fundamental physical constants: 1998. <i>Reviews of Modern Physics</i> , 2000, 72, 351-495.	16.4	763
5	CODATA recommended values of the fundamental physical constants: 2002. <i>Reviews of Modern Physics</i> , 2005, 77, 1-107.	16.4	657
6	QED corrections in heavy atoms. <i>Physics Reports</i> , 1998, 293, 227-369.	10.3	365
7	Self-energy radiative corrections in hydrogen-like systems. <i>Annals of Physics</i> , 1974, 88, 26-51.	1.0	352
8	Redefinition of the kilogram, ampere, kelvin and mole: a proposed approach to implementing CIPM recommendation 1 (CI-2005). <i>Metrologia</i> , 2006, 43, 227-246.	0.6	336
9	CODATA Recommended Values of the Fundamental Physical Constants: 1998. <i>Journal of Physical and Chemical Reference Data</i> , 1999, 28, 1713-1852.	1.9	283
10	CODATA recommended values of the fundamental physical constants: 2018. <i>Reviews of Modern Physics</i> , 2021, 93, .	16.4	264
11	Self-energy of the $n=2$ states in a strong Coulomb field. <i>Physical Review A</i> , 1982, 26, 2338-2354.	1.0	236
12	Energy levels of hydrogen-like atoms predicted by quantum electrodynamics, $10 \leq Z \leq 40$. <i>Atomic Data and Nuclear Data Tables</i> , 1983, 29, 453-466.	0.9	205
13	CODATA Recommended Values of the Fundamental Physical Constants: 2014. <i>Journal of Physical and Chemical Reference Data</i> , 2016, 45, .	1.9	201
14	Vacuum polarization in a strong external field. <i>Physical Review A</i> , 1988, 38, 5066-5075.	1.0	161
15	Data and analysis for the CODATA 2017 special fundamental constants adjustment. <i>Metrologia</i> , 2018, 55, 125-146.	0.6	135
16	CODATA recommended values of the fundamental physical constants: 2006. <i>Journal of Physical and Chemical Reference Data</i> , 2008, 37, 1187-1284.	1.9	116
17	Calculation of the Electron Self-Energy for Low Nuclear Charge. <i>Physical Review Letters</i> , 1999, 82, 53-56.	2.9	115
18	CODATA Recommended Values of the Fundamental Physical Constants: 2010. <i>Journal of Physical and Chemical Reference Data</i> , 2012, 41, 043109.	1.9	113

#	ARTICLE	IF	CITATIONS
19	CODATA Recommended Values of the Fundamental Physical Constants: 2018. Journal of Physical and Chemical Reference Data, 2021, 50, .	1.9	81
20	Forbidden Transitions in One- and Two-Electron Atoms. Advances in Atomic and Molecular Physics, 1979, 14, 181-224.	2.0	78
21	Quantum electrodynamics of high-Z few-electron atoms. Physical Review A, 1985, 32, 1949-1957.	1.0	78
22	Electron self-energy for the K and L shells at low nuclear charge. Physical Review A, 2001, 63, .	1.0	68
23	Adapting the International System of Units to the twenty-first century. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3907-3924.	1.6	66
24	Dimensionless units in the SI. Metrologia, 2015, 52, 40-47.	0.6	54
25	Coordinate-space approach to the bound-electron self-energy. Physical Review A, 1992, 46, 172-185.	1.0	47
26	Precise Calculation of Transition Frequencies of Hydrogen and Deuterium Based on a Least-Squares Analysis. Physical Review Letters, 2005, 95, 163003.	2.9	40
27	E1 ^π M1 Interference in Radiative Decay of Hydrogenlike Atoms in an Electric Field. Physical Review Letters, 1978, 40, 854-856.	2.9	36
28	Electron self-energy for higher excited levels. Physical Review A, 2004, 69, .	1.0	29
29	Solutions of the Maxwell equations and photon wave functions. Annals of Physics, 2010, 325, 607-663.	1.0	24
30	Fundamental constants and tests of theory in Rydberg states of one-electron ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 074002.	0.6	20
31	Coordinate-space approach to vacuum polarization. Physical Review A, 2014, 89, .	1.0	19
32	Self-energy values for P states in hydrogen and low-Z hydrogenlike ions. Physical Review A, 2005, 72, .	1.0	10
33	Resource Letter FC-1: The physics of fundamental constants. American Journal of Physics, 2010, 78, 338-358.	0.3	8
34	Advances in Determination of Fundamental Constants. Journal of Physical and Chemical Reference Data, 2015, 44, .	1.9	8
35	Introduction to Bound-State Quantum Electrodynamics. , 2017, , 131-241.		7
36	Bound-state field-theory approach to proton-structure effects in muonic hydrogen. Physical Review A, 2013, 87, .	1.0	6

#	ARTICLE	IF	CITATIONS
37	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
38	Reply to Comments on "Dimensionless units in the SI". Metrologia, 2015, 52, 617-618.	0.6	5
39	The fundamental constants and theory. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2005, 363, 2123-2137.	1.6	2
40	Introduction to Bound-State Quantum Electrodynamics. , 2016, , 1-110.		2
41	QED and the fundamental constants. Nuclear Instruments & Methods in Physics Research B, 2005, 235, 1-6.	0.6	1
42	Tests of Theory in Rydberg States of One-Electron Ions. Springer Tracts in Modern Physics, 2014, , 375-404.	0.1	1