Barry N Taylor

List of Publications by Year in descending order

22 papers	6,793 citations	430754 18 h-index	677027 22 g-index
22 all docs	22 docs citations	22 times ranked	5115 citing authors

#	Article	IF	Citations
1	CODATA recommended values of the fundamental physical constants: 2010. Reviews of Modern Physics, 2012, 84, 1527-1605.	16.4	1,194
2	CODATA recommended values of the fundamental physical constants: 2006. Reviews of Modern Physics, 2008, 80, 633-730.	16.4	881
3	CODATA recommended values of the fundamental physical constants: 2014. Reviews of Modern Physics, 2016, 88, .	16.4	791
4	CODATA recommended values of the fundamental physical constants: 1998. Reviews of Modern Physics, 2000, 72, 351-495.	16.4	763
5	CODATA recommended values of the fundamental physical constants: 2002. Reviews of Modern Physics, 2005, 77, 1-107.	16.4	657
6	The 1986 adjustment of the fundamental physical constants. Reviews of Modern Physics, 1987, 59, 1121-1148.	16.4	625
7	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
8	CODATA Recommended Values of the Fundamental Physical Constants: 1998. Journal of Physical and Chemical Reference Data, 1999, 28, 1713-1852.	1.9	283
9	CODATA recommended values of the fundamental physical constants: 2018. Reviews of Modern Physics, 2021, 93, .	16.4	264
10	CODATA Recommended Values of the Fundamental Physical Constants: 2014. Journal of Physical and Chemical Reference Data, 2016, 45, .	1.9	201
11	Redefinition of the kilogram: a decision whose time has come. Metrologia, 2005, 42, 71-80.	0.6	199
12	Data and analysis for the CODATA 2017 special fundamental constants adjustment. Metrologia, 2018, 55, 125-146.	0.6	135
13	CODATA recommended values of the fundamental physical constants: 2006. Journal of Physical and Chemical Reference Data, 2008, 37, 1187-1284.	1.9	116
14	CODATA Recommended Values of the Fundamental Physical Constants: 2010. Journal of Physical and Chemical Reference Data, 2012, 41, 043109.	1.9	113
15	CODATA Recommended Values of the Fundamental Physical Constants: 2018. Journal of Physical and Chemical Reference Data, 2021, 50, .	1.9	81
16	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
17	Precise Calculation of Transition Frequencies of Hydrogen and Deuterium Based on a Least-Squares Analysis. Physical Review Letters, 2005, 95, 163003.	2.9	40
18	Molar mass and related quantities in the New SI. Metrologia, 2009, 46, L16-L19.	0.6	27

#	Article	IF	Citations
19	The current SI seen from the perspective of the proposed new SI. Journal of Research of the National Institute of Standards and Technology, 2011, 116, 797.	0.4	8
20	The determination of best values of the fundamental physical constants. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2005, 363, 2105-2122.	1.6	6
21	Quantity Calculus, Fundamental Constants, and SI Units. Journal of Research of the National Institute of Standards and Technology, 2018, 123, 1-12.	0.4	6
22	QED and the fundamental constants. Nuclear Instruments & Methods in Physics Research B, 2005, 235, 1-6.	0.6	1