

# Jan W Jwt Thomsen

## List of Publications by Year in descending order

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57  
papers

1,957  
citations

361045

20  
h-index

243296

44  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1352  
citing authors

#	ARTICLE	IF	CITATIONS
1	Compact, CO <sub>2</sub> -stabilized tuneable laser at 205 microns. Optics Express, 2016, 24, 4872.	1.7	7
2	Laser stabilization on velocity dependent nonlinear dispersion of Sr atoms in an optical cavity. , 2015, , .		0
3	Large waist cavity for ultra-narrow transition spectroscopy. , 2015, , .		1
4	Optical Feshbach resonances: Field-dressed theory and comparison with experiments. Physical Review A, 2015, 92, .	1.0	39
5	Nonlinear spectroscopy of Sr atoms in an optical cavity for laser stabilization. Physical Review A, 2015, 92, .	1.0	22
6	Publisher's Note: Laser stabilization using saturated absorption in a cavity-QED system [Phys. Rev. A92, 013817 (2015)]. Physical Review A, 2015, 92, .	1.0	0
7	Observation of Motion-Dependent Nonlinear Dispersion with Narrow-Linewidth Atoms in an Optical Cavity. Physical Review Letters, 2015, 114, 093002.	2.9	26
8	Laser stabilization using saturated absorption in a cavity-QED system. Physical Review A, 2015, 92, .	1.0	10
9	Hyperfine structure of the $3^1P_1$ state of $^{87}\text{Sr}$ . Physical Review A, 2015, 92, .	1.0	0
10	Prospects for frequency stabilization using collective effects of strontium atoms in an optical cavity. , 2014, , .		0
11	A classroom demonstration of reciprocal space. American Journal of Physics, 2013, 81, 274-279.	0.3	5
12	Precision Measurements with ultra-cold Alkaline Earth Atoms. , 2012, , .		0
13	Measurement of Optical Feshbach Resonances in an Ideal Gas. Physical Review Letters, 2011, 107, 073202.	2.9	111
14	Experimental Determination of the $3^1P_1$ hyperfine splitting of $^{87}\text{Sr}$ . Physical Review A, 2011, 84, 013402.	2.9	13
15	Measurement of the $3^1P_1$ hyperfine splitting of $^{87}\text{Sr}$ . Physical Review A, 2010, 82, .	1.0	3
16	Precision measurement of fermionic collisions using an $87\text{Sr}$ optical lattice clock with $1\text{Å}$ - $10^{-16}$ accuracy. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 574-582.	1.7	9
17	Rabi spectroscopy and excitation inhomogeneity in a one-dimensional optical lattice clock. Physical Review A, 2009, 80, .	1.0	124
18	Isotope shifts of the $3^1P_1$ state of $^{87}\text{Sr}$ . Physical Review A, 2009, 80, .	1.0	3

#	ARTICLE	IF	CITATIONS
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19	Measurement of the spin-forbidden decay rate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">		
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#	ARTICLE	IF	CITATIONS
37	Measurement of absolute photo-ionization cross sections using magnesium magneto-optical traps. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 2173-2181.	0.6	21
38	Generation of 99-mW continuous-wave 285-nm radiation for magneto-optical trapping of Mg atoms. Applied Physics B: Lasers and Optics, 2002, 75, 835-839.	1.1	3
39	Construction of a low velocity metastable helium atomic beam. Review of Scientific Instruments, 2001, 72, 3842-3847.	0.6	17
40	Measurements on photo-ionization of 3s3p1P1magnesium atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, 4981-4988.	0.6	23
41	Photoassociation Spectroscopy of ColdHe(23S)Atoms. Physical Review Letters, 2000, 84, 1874-1877.	2.9	66
42	Spatial dependence of electron transfer from optically prepared states: Li++ Na(3p) → Li(2p) + Na+. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, 5189-5204.	0.6	20
43	Collisions between ultracold metastable He atoms. Nuclear Instruments & Methods in Physics Research B, 1999, 154, 194-203.	0.6	3
44	Photo induced collisions with laser cooled He* atoms. European Physical Journal D, 1998, 4, 131-137.	0.6	15
45	Effects of excitation and orbital alignment on electron transfer in -Na collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, 3429-3437.	0.6	8
46	Final state alignment for electron transfer. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, 3419-3428.	0.6	7
47	Optical Collisions of Cold, Metastable Helium Atoms. Physical Review Letters, 1998, 80, 5516-5519.	2.9	46
48	State propensities in electron transfer processes from optically prepared states:. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 3059-3075.	0.6	16
49	Left-right scattering asymmetries for electron transfer from oriented and tilted aligned Na(3p) states to H(n=2,3). Physical Review A, 1996, 54, 970-973.	1.0	9
50	Alignment effects in electron transfer: Experimental studies for singly charged ion collisions with Na(3p) atoms. Canadian Journal of Physics, 1996, 74, 950-954.	0.4	7
51	Electron transfer in keV collisions: III. Experiments on initial orbital alignment dependence. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 1093-1100.	0.6	15
52	An experimental determination of the complete transition matrix for the electron transfer process. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 5459-5473.	0.6	20
53	Orbital alignment dependence of electron transfer cross sections. II. 1-15 keV He+-Na(3p) collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, L93-L99.	0.6	17
54	Modulation-free frequency stabilization of a dye laser by polarization spectroscopy. Measurement Science and Technology, 1995, 6, 170-173.	1.4	4

#	ARTICLE	IF	CITATIONS
55	Collision spectroscopy with aligned and oriented atoms. VI. A complete density matrix determination for the $H^{++}Na(3p)$ to $H(n=2)+Na$ process. Journal of Physics B: Atomic, Molecular and Optical Physics, 1993, 26, 723-743.	0.6	68
56	Pronounced Orientation Effect Observed in Resonant Electron Capture for $H_2 +$ Molecular Ions Colliding with $Na(3p)$ Circular Atomic States. Europhysics Letters, 1993, 23, 559-565.	0.7	3
57	Collision spectroscopy with aligned and oriented atoms. VII. Initial orbital alignment effects in $H_2^{++}Na(3p)$ resonant charge transfer. Journal of Physics B: Atomic, Molecular and Optical Physics, 1993, 26, L353-L358.	0.6	3