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List of Publications by Year in descending order

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32
papers

712
citations

687363

13
h-index

580821

25
g-index

32
all docs

32
docs citations

32
times ranked

639
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the Permanent Electric Dipole Moment of the Neutron. <i>Physical Review Letters</i> , 2020, 124, 081803.	7.8	263
2	Atomic magnetic resonance induced by amplitude-, frequency-, or polarization-modulated light. <i>Physical Review A</i> , 2013, 88, .	2.5	68
3	A sensitive and accurate atomic magnetometer based on free spin precession. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	50
4	Search for topological defect dark matter with a global network of optical magnetometers. <i>Nature Physics</i> , 2021, 17, 1396-1401.	16.7	42
5	A high-sensitivity push-pull magnetometer. <i>Applied Physics Letters</i> , 2014, 104, 023501.	3.3	35
6	Highly stable atomic vector magnetometer based on free spin precession. <i>Optics Express</i> , 2015, 23, 22108.	3.4	34
7	The design of the n2EDM experiment. <i>European Physical Journal C</i> , 2021, 81, 512.	3.9	27
8	A device for simultaneous spin analysis of ultracold neutrons. <i>European Physical Journal A</i> , 2015, 51, 1.	2.5	26
9	Dark Raman resonances due to Ramsey interference in vacuum vapor cells. <i>Physical Review A</i> , 2008, 78, .	2.5	23
10	Analysis method for detecting topological defect dark matter with a global magnetometer network. <i>Physics of the Dark Universe</i> , 2020, 28, 100494.	4.9	23
11	Quantitative study of optical pumping in the presence of spin-exchange relaxation. <i>Physical Review A</i> , 2018, 97, .	2.5	21
12	Observation of Gravitationally Induced Vertical Striation of Polarized Ultracold Neutrons by Spin-Echo Spectroscopy. <i>Physical Review Letters</i> , 2015, 115, 162502.	7.8	19
13	Design and performance of an absolute ³ He/Cs magnetometer. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	19
14	Investigation of the intrinsic sensitivity of a ³ He/Cs magnetometer. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	11
15	Oriental dependence of optically detected magnetic resonance signals in laser-driven atomic magnetometers. <i>Applied Physics B: Lasers and Optics</i> , 2017, 123, 1.	2.2	11
16	On non-vanishing amplitude of Hanle electromagnetically induced absorption in Rb. <i>Optics Express</i> , 2007, 15, 1328.	3.4	9
17	Ramanâ€“Ramsey electromagnetically induced transparency in the configuration of counterpropagating pump and probe in vacuum Rb cell. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 426.	2.1	6
18	Magnetic Resonance Based Atomic Magnetometers. <i>Smart Sensors, Measurement and Instrumentation</i> , 2017, , 361-424.	0.6	5

#	ARTICLE	IF	CITATIONS
19	Evolution of dark state of an open atomic system in constant intensity laser field. <i>Physical Review A</i> , 2011, 84, .	2.5	4
20	Ramsey effects in coherent resonances at closed transition $F_{g} = 2$ $\hat{F}'_{e} = 3$ of ^{87}Rb . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 245502.	1.5	4
21	Characterizing and imaging magnetic nanoparticles by optical magnetometry. <i>Journal of Physics: Conference Series</i> , 2017, 793, 012032.	0.4	4
22	Comment on: Magnetic field measurements in Rb vapor by splitting Hanle resonances under the presence of a perpendicular scanning magnetic field. <i>European Physical Journal D</i> , 2017, 71, 1.	1.3	3
23	Influence of laser beam profile on electromagnetically induced absorption. <i>Physical Review A</i> , 2010, 82, .	2.5	2
24	An arbitrary-function light power controller. <i>Review of Scientific Instruments</i> , 2018, 89, 025114.	1.3	2
25	Nonlinear magneto-optical rotation narrowing in vacuum gas cells due to interference between atomic dark states of two spatially separated laser beams. <i>Physical Review A</i> , 2009, 80, .	2.5	1
26	<title>Coherent population trapping resonances on the D_{1} line of rubidium</title>. , 2007, 6604, 111.		0
27	<title>Koester's interferometer modification for gauge blocks calibration</title>. , 2007, 6604, 176.		0
28	<title>Non-linear magneto-optical polarization rotation in dark and bright coherent states</title>. , 2007, , .		0
29	<title>Absorption of elliptically polarized light in closed transitions of Rb vapor</title>. , 2007, , .		0
30	Nonlinear magneto-optical rotation narrowing due to Ramsey effect induced by thermal motion of atoms. , 2008, , .		0
31	Numerical simulation of Raman resonance due to the Ramsey interference induced by thermal motion of atoms. <i>Physica Scripta</i> , 2009, T135, 014026.	2.5	0
32	AC-susceptometry of magnetic nanoparticles using an atomic RF magnetometer. , 2015, , .		0