Antoine Weis

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6110903/publications.pdf

Version: 2024-02-01

19	359	840776 11	996975 15
papers	citations	h-index	g-index

20	20	20	380
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Search for topological defect dark matter with a global network of optical magnetometers. Nature Physics, 2021, 17, 1396-1401.	16.7	42
2	Imaging Magnetic Nanoparticle Distributions by Atomic Magnetometry-Based Susceptometry. IEEE Transactions on Medical Imaging, 2020, 39, 922-933.	8.9	13
3	Analysis method for detecting topological defect dark matter with a global magnetometer network. Physics of the Dark Universe, 2020, 28, 100494.	4.9	23
4	Orientational Dependence of Optically Detected Magnetic Resonance Signals in Laser-Driven Atomic Magnetometers. , 2018, , 309-329.		1
5	Quantitative study of optical pumping in the presence of spin-exchange relaxation. Physical Review A, 2018, 97, .	2.5	21
6	Cesium alignment produced by pumping with unpolarized light. European Physical Journal D, 2018, 72, 1.	1.3	6
7	Orientational dependence of optically detected magnetic resonance signals in laser-driven atomic magnetometers. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	11
8	Comment on: Magnetic field measurements in Rb vapor by splitting Hanle resonances under the presence of a perpendicular scanning magnetic field. European Physical Journal D, 2017, 71, 1.	1.3	3
9	Study of 3He Rabi nutations by optically-pumped cesium magnetometers. European Physical Journal D, 2017, 71, 1.	1.3	3
10	Design and performance of an absolute 3He/Cs magnetometer. European Physical Journal D, 2015, 69, 1.	1.3	19
11	A sensitive and accurate atomic magnetometer based on free spin precession. European Physical Journal D, 2015, 69, 1.	1.3	50
12	AC-susceptometry of magnetic nanoparticles using an atomic RF magnetometer. , 2015, , .		0
13	Investigation of the intrinsic sensitivity of a 3He/Cs magnetometer. European Physical Journal D, 2015, 69, 1.	1.3	11
14	Ground-state Hanle effect based on atomic alignment. Physical Review A, 2012, 86, .	2.5	54
15	Push-pull optical pumping on the Cs D1-transition. , 2012, , .		0
16	Formation of Metallic Nanowires by Laser Ablation in Liquid Helium. Journal of Low Temperature Physics, 2011, 165, 166-176.	1.4	33
17	Generalized Aragoâ€“Fresnel laws: the EME-flow-line description. Journal of Russian Laser Research, 2010, 31, 117-128.	0.6	14
18	Atomic and molecular defects in solid 4He. Physics Reports, 2008, 469, 1-57.	25.6	55

#	Article	IF	Citations
19	Dynamical MCG mapping with an atomic vapor magnetometer. Neurology, Neurophysiology and Neuroscience, 2004, 2004, 38.	0.0	0