

Antoine Weis

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

359
citations

840776

11
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

380
citing authors

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

#	ARTICLE	IF	CITATIONS
19	Dynamical MCG mapping with an atomic vapor magnetometer. <i>Neurology, Neurophysiology and Neuroscience</i> , 2004, 2004, 38.	0.0	0