

# â€<sup>a</sup>zoran D GrujiÄ

## 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	The design of the nEDM experiment. European Physical Journal C, 2021, 81, 512.	3.9	27
2	Search for topological defect dark matter with a global network of optical magnetometers. Nature Physics, 2021, 17, 1396-1401.	16.7	42
3	Measurement of the Permanent Electric Dipole Moment of the Neutron. Physical Review Letters, 2020, 124, 081803.	7.8	263
4	Analysis method for detecting topological defect dark matter with a global magnetometer network. Physics of the Dark Universe, 2020, 28, 100494.	4.9	23
5	An arbitrary-function light power controller. Review of Scientific Instruments, 2018, 89, 025114.	1.3	2
6	Quantitative study of optical pumping in the presence of spin-exchange relaxation. Physical Review A, 2018, 97, .	2.5	21
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	Magnetic Resonance Based Atomic Magnetometers. Smart Sensors, Measurement and Instrumentation, 2017, , 361-424.	0.6	5
10	Characterizing and imaging magnetic nanoparticles by optical magnetometry. Journal of Physics: Conference Series, 2017, 793, 012032.	0.4	4
11	Observation of Gravitationally Induced Vertical Striation of Polarized Ultracold Neutrons by Spin-Echo Spectroscopy. Physical Review Letters, 2015, 115, 162502.	7.8	19
12	Design and performance of an absolute <sup>3</sup> He/Cs magnetometer. European Physical Journal D, 2015, 69, 1.	1.3	19
13	A sensitive and accurate atomic magnetometer based on free spin precession. European Physical Journal D, 2015, 69, 1.	1.3	50
14	AC-susceptometry of magnetic nanoparticles using an atomic RF magnetometer. , 2015, , .		0
15	Highly stable atomic vector magnetometer based on free spin precession. Optics Express, 2015, 23, 22108.	3.4	34
16	Raman‐Ramsey electromagnetically induced transparency in the configuration of counterpropagating pump and probe in vacuum Rb cell. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 426.	2.1	6
17	Investigation of the intrinsic sensitivity of a <sup>3</sup> He/Cs magnetometer. European Physical Journal D, 2015, 69, 1.	1.3	11
18	A device for simultaneous spin analysis of ultracold neutrons. European Physical Journal A, 2015, 51, 1.	2.5	26

#	ARTICLE	IF	CITATIONS
19	A high-sensitivity push-pull magnetometer. Applied Physics Letters, 2014, 104, 023501.	3.3	35
20	Atomic magnetic resonance induced by amplitude-, frequency-, or polarization-modulated light. Physical Review A, 2013, 88, .	2.5	68
21	Ramsey effects in coherent resonances at closed transition $F_{g} = 2$ $F_{e} = 3$ of $^{87}\text{Rb}$ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 245502.	1.5	4
22	Evolution of dark state of an open atomic system in constant intensity laser field. Physical Review A, 2011, 84, .	2.5	4
23	Influence of laser beam profile on electromagnetically induced absorption. Physical Review A, 2010, 82, .	2.5	2
24	Nonlinear magneto-optical rotation narrowing in vacuum gas cells due to interference between atomic dark states of two spatially separated laser beams. Physical Review A, 2009, 80, .	2.5	1
25	Numerical simulation of Raman resonance due to the Ramsey interference induced by thermal motion of atoms. Physica Scripta, 2009, T135, 014026.	2.5	0
26	Nonlinear magneto-optical rotation narrowing due to Ramsey effect induced by thermal motion of atoms. , 2008, , .		0
27	Dark Raman resonances due to Ramsey interference in vacuum vapor cells. Physical Review A, 2008, 78, .	2.5	23
28	<title>Coherent population trapping resonances on the $D_{1}$ line of rubidium</title>. , 2007, 6604, 111.		0
29	<title>Koester's interferometer modification for gauge blocks calibration</title>. , 2007, 6604, 176.		0
30	<title>Non-linear magneto-optical polarization rotation in dark and bright coherent states</title>. , 2007, , .		0
31	<title>Absorption of elliptically polarized light in closed transitions of Rb vapor</title>. , 2007, , .		0
32	On non-vanishing amplitude of Hanle electromagnetically induced absorption in Rb. Optics Express, 2007, 15, 1328.	3.4	9