Adam Marek Wojciechowski

List of Publications by Citations

26	352	12	18
papers	citations	h-index	g-index
37	453	2.9	3.2
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
26	Magnetometry based on nonlinear magneto-optical rotation with amplitude-modulated light. *Journal of Applied Physics*, **2008**, 103, 063108	2.5	59
25	Saturated-absorption spectroscopy revisited: atomic transitions in strong magnetic fields (>20 mT) with a micrometer-thin cell. *Optics Letters*, **2014**, 39, 2270-3	3	36
24	Optimised frequency modulation for continuous-wave optical magnetic resonance sensing using nitrogen-vacancy ensembles. *Optics Express*, **2017**, 25, 14809-14821	3.3	30
23	Enhancement of optically pumped spin orientation via spin-exchange collisions at low vapor density. *Physical Review A*, **2012**, 85,	2.6	28
22	Precision temperature sensing in the presence of magnetic field noise and vice-versa using nitrogen-vacancy centers in diamond. *Applied Physics Letters*, **2018**, 113, 013502	3.4	25
21	Nonlinear magneto-optical rotation and Zeeman and hyperfine relaxation of potassium atoms in a paraffin-coated cell. *Physical Review A*, **2006**, 74,	2.6	25
20	Nonlinear Faraday rotation and detection of superposition states in cold atoms. *Physical Review A*, **2010**, 81,	2.6	20
19	Competition between the tensor light shift and nonlinear Zeeman effect. *Physical Review A*, **2010**, 82,	2.6	19
18	Contributed Review: Camera-limits for wide-field magnetic resonance imaging with a nitrogen-vacancy spin sensor. *Review of Scientific Instruments*, **2018**, 89, 031501	1.7	16
17	Nitrogen-vacancy ensemble magnetometry based on pump absorption. *Physical Review B*, **2018**, 97,	3.3	16
16	Coherent population oscillations with nitrogen-vacancy color centers in diamond. *Physical Review B*, **2016**, 94,	3.3	13
15	Optical Magnetometry Based on Nanodiamonds with Nitrogen-Vacancy Color Centers. *Materials*, **2019**, 12,	3.5	12
14	Feasibility and resolution limits of opto-magnetic imaging of neural network activity in brain slices using color centers in diamond. *Scientific Reports*, **2018**, 8, 4503	4.9	12
13	Detection of biological signals from a live mammalian muscle using an early stage diamond quantum sensor. *Scientific Reports*, **2021**, 11, 2412	4.9	12
12	Atomic-state diagnostics and optimization in cold-atom experiments. *Scientific Reports*, **2018**, 8, 2805	4.9	7
11	Optimal geometry for efficient loading of an optical dipole trap. *Physical Review A*, **2009**, 79,	2.6	4
10	EIT resonance features in strong magnetic fields in rubidium atomic columns with length varying by 4 orders. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2016**, 120, 864-870	0.7	3

List of Publications

9	Experiments on quantum coherence with cold atoms. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2011**, 111, 626-632	0.7	3
8	All-optical atomic magnetometers based on nonlinear magneto-optical rotation with amplitude modulated light **2007**, 6604, 35		3
7	Magnetically-sensitive nanodiamond thin-films on glass fibers. *Optical Materials Express*, **2022**, 12, 444	2.6	2
6	Nitrogen-Vacancy Color Centers Created by Proton Implantation in a Diamond. *Materials*, **2021**, 14,	3.5	2
5	Magneto-optical effects and rf magnetic field detection in cold rubidium atoms. *Journal of Physics: Conference Series*, **2014**, 497, 012006	0.3	1
4	Tellurite Glass Rods with Submicron-Size Diamonds as Photonic Magnetic Field and Temperature Sensors. *Advanced Quantum Technologies*,2100128	4.3	1
3	Optical Characterization of Nitrogen-Vacancy Centers Created by Proton Implantation in Diamond. *Acta Physica Polonica A*, **2020**, 137, 9-13	0.6	1
2	Characterization of strong NV gradient in the e-beam irradiated diamond sample. *Diamond and Related Materials*, **2021**, 108689	3.5	0
1	Integration of Fluorescent, NV-Rich Nanodiamond Particles with AFM Cantilevers by Focused Ion Beam for Hybrid Optical and Micromechanical Devices. *Coatings*, **2021**, 11, 1332	2.9	0