# Adam Marek Wojciechowski

## List of Publications by Year in Descending Order



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

| # | Paper | IF | Citations |
|---|---|---|---|
| 26 | Magnetically-sensitive nanodiamond thin-films on glass fibers. *Optical Materials Express*, **2022**, 12, 444 | 2.6 | 2 |
| 25 | Characterization of strong NV gradient in the e-beam irradiated diamond sample. *Diamond and Related Materials*, **2021**, 108689 | 3.5 | 0 |
| 24 | 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 |
| 23 | Detection of biological signals from a live mammalian muscle using an early stage diamond quantum sensor. *Scientific Reports*, **2021**, 11, 2412 | 4.9 | 12 |
| 22 | Nitrogen-Vacancy Color Centers Created by Proton Implantation in a Diamond. *Materials*, **2021**, 14, | 3.5 | 2 |
| 21 | Optical Characterization of Nitrogen-Vacancy Centers Created by Proton Implantation in Diamond. *Acta Physica Polonica A*, **2020**, 137, 9-13 | 0.6 | 1 |
| 20 | Optical Magnetometry Based on Nanodiamonds with Nitrogen-Vacancy Color Centers. *Materials*, **2019**, 12, | 3.5 | 12 |
| 19 | 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 |
| 18 | Atomic-state diagnostics and optimization in cold-atom experiments. *Scientific Reports*, **2018**, 8, 2805 | 4.9 | 7 |
| 17 | Nitrogen-vacancy ensemble magnetometry based on pump absorption. *Physical Review B*, **2018**, 97, | 3.3 | 16 |
| 16 | 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 |
| 15 | 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 |
| 14 | Optimised frequency modulation for continuous-wave optical magnetic resonance sensing using nitrogen-vacancy ensembles. *Optics Express*, **2017**, 25, 14809-14821 | 3.3 | 30 |
| 13 | Coherent population oscillations with nitrogen-vacancy color centers in diamond. *Physical Review B*, **2016**, 94, | 3.3 | 13 |
| 12 | 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 |
| 11 | 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 |
| 10 | Magneto-optical effects and rf magnetic field detection in cold rubidium atoms. *Journal of Physics: Conference Series*, **2014**, 497, 012006 | 0.3 | 1 |

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| 9 | Enhancement of optically pumped spin orientation via spin-exchange collisions at low vapor density. *Physical Review A*, **2012**, 85, | 2.6 | 28 |
| 8 | Experiments on quantum coherence with cold atoms. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2011**, 111, 626-632 | 0.7 | 3 |
| 7 | Nonlinear Faraday rotation and detection of superposition states in cold atoms. *Physical Review A*, **2010**, 81, | 2.6 | 20 |
| 6 | Competition between the tensor light shift and nonlinear Zeeman effect. *Physical Review A*, **2010**, 82, | 2.6 | 19 |
| 5 | Optimal geometry for efficient loading of an optical dipole trap. *Physical Review A*, **2009**, 79, | 2.6 | 4 |
| 4 | Magnetometry based on nonlinear magneto-optical rotation with amplitude-modulated light. *Journal of Applied Physics*, **2008**, 103, 063108 | 2.5 | 59 |
| 3 | All-optical atomic magnetometers based on nonlinear magneto-optical rotation with amplitude modulated light **2007**, 6604, 35 | | 3 |
| 2 | 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 |
| 1 | Tellurite Glass Rods with Submicron-Size Diamonds as Photonic Magnetic Field and Temperature Sensors. *Advanced Quantum Technologies*,2100128 | 4.3 | 1 |