

# Michael Bradley

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8335862/publications.pdf>

Version: 2024-02-01

39  
papers

519  
citations

758635

12  
h-index

642321

23  
g-index

41  
all docs

41  
docs citations

41  
times ranked

582  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Penning Trap Measurements of the Masses of $^{133}\text{Cs}$ , $^{87}\text{Rb}$ , and $^{23}\text{Na}$ with Uncertainties $\leq 0.2$ ppb. <i>Physical Review Letters</i> , 1999, 83, 4510-4513.                | 2.9 | 195       |
| 2  | Large-Area, Freestanding, Single-Layer Graphene "Gold: A Hybrid Plasmonic Nanostructure. <i>ACS Nano</i> , 2014, 8, 6353-6362.   | 7.3 | 43        |
| 3  | Accurate atomic mass measurements from Penning trap mass comparisons of individual ions. <i>Physica Scripta</i> , 1995, T59, 144-154.  | 1.2 | 42        |
| 4  | The BIPM Watt Balance: Improvements and Developments. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2011, 60, 2378-2386.   | 2.4 | 33        |
| 5  | Measurements of secondary electron emission and plasma density enhancement for plasma exposed surfaces using an optically isolated Faraday cup. <i>Review of Scientific Instruments</i> , 2002, 73, 1153-1156. | 0.6 | 19        |
| 6  | Nanoscale imaging of freestanding nitrogen doped single layer graphene. <i>Nanoscale</i> , 2015, 7, 2289-2294.   | 2.8 | 18        |
| 7  | Precise Measurements of the Masses of Cs, Rb and Na " A New Route to the Fine Structure Constant. <i>Hyperfine Interactions</i> , 2001, 132, 177-187.  | 0.2 | 17        |
| 8  | Low temperature synthesis of diamond thin films through graphite etching in a microwave hydrogen plasma. <i>Carbon</i> , 2005, 43, 2635-2638.  | 5.4 | 17        |
| 9  | Active Charge/Discharge IGBT Modulator for Marx Generator and Plasma Applications. <i>IEEE Transactions on Plasma Science</i> , 2007, 35, 473-478.   | 0.6 | 17        |
| 10 | Measurement and analysis of deposition-etch characteristics of $\text{BF}_3$ plasma immersion ion implantation. <i>Review of Scientific Instruments</i> , 2002, 73, 840-842.                                   | 0.6 | 13        |
| 11 | Effects of x-ray irradiation on charge transport and charge collection efficiency in stabilized a-Se photoconductors. <i>Journal of Applied Physics</i> , 2020, 127, .   | 1.1 | 13        |
| 12 | Protein-Energy Malnutrition Exacerbates Stroke-Induced Forelimb Abnormalities and Dampens Neuroinflammation. <i>Translational Stroke Research</i> , 2018, 9, 622-630.  | 2.3 | 12        |
| 13 | Laser system refinements to reduce variability in infarct size in the rat photothrombotic stroke model. <i>Journal of Neuroscience Methods</i> , 2015, 247, 58-66.   | 1.3 | 11        |
| 14 | Superconducting moving coil system to study the behaviour of superconducting coils for a BIPM cryogenic watt balance. <i>Metrologia</i> , 2014, 51, S123-S131.   | 0.6 | 10        |
| 15 | Faraday dosimetry characteristics of PIII doping processes. <i>IEEE Transactions on Plasma Science</i> , 2003, 31, 369-376.  | 0.6 | 8         |
| 16 | Accurate mass spectrometry of trapped ions. , 1997, 108, 227-238.  |     | 7         |
| 17 | Atom traps compared with ion traps. <i>Physica Scripta</i> , 1995, T59, 131-133.   | 1.2 | 4         |
| 18 | Mass spectrometry at 0.1 part per billion for fundamental metrology. <i>IEEE Transactions on Instrumentation and Measurement</i> , 1995, 44, 550-552.  | 2.4 | 4         |

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|----|---|-----|-----------|
| 19 | Ion depletion effects in sheath dynamics during plasma immersion ion implantation—models and data. Review of Scientific Instruments, 2002, 73, 837-839.   | 0.6 | 4         |
| 20 | Electroluminescence in plasma ion implanted silicon. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 985-988.  | 0.8 | 4         |
| 21 | Silicon electroluminescent device production via plasma ion implantation. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, S206-S209.                                       | 0.8 | 4         |
| 22 | Chemical Reactions and Applications of the Reductive Surface of Porous Silicon. Journal of Nanoscience and Nanotechnology, 2010, 10, 6332-6339.   | 0.9 | 4         |
| 23 | Time-resolved evolution of plasma parameters in a plasma immersion ion implantation source. Physics of Plasmas, 2021, 28, 123523.   | 0.7 | 4         |
| 24 | Prospects for band gap engineering by plasma ion implantation. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, S210-S213.  | 0.8 | 3         |
| 25 | Line-dependent saturation in CO2 lasers. Applied Physics B, Photophysics and Laser Chemistry, 1993, 56, 347-353.  | 1.5 | 2         |
| 26 | Time-Resolved Ion and Electron Current Measurements in Pulsed Plasma Sheaths. IEEE Transactions on Plasma Science, 2006, 34, 1156-1159.   | 0.6 | 2         |
| 27 | The effect of step-wise surface nitrogen doping in MPECVD grown polycrystalline diamonds. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 258, 114559.    | 1.7 | 2         |
| 28 | Precise Measurements of the Masses of Cs, Rb and Na — A New Route to the Fine Structure Constant. , 2001, , 177-187.  |     | 2         |
| 29 | Single ion mass spectrometry and the fine structure constant. AIP Conference Proceedings, 2001, , .   | 0.3 | 1         |
| 30 | Active charge control in PIII—enlarging the process space. Surface and Coatings Technology, 2002, 156, 77-82.   | 2.2 | 1         |
| 31 | Light-Emitting Diodes Fabricated From Carbon Ions Implanted Into p-Type Silicon. IEEE Transactions on Electron Devices, 2015, 62, 914-918.  | 1.6 | 1         |
| 32 | Optimal parameter(s) for the synthesis of nitrogen-vacancy (NV) centres in polycrystalline diamonds at low pressure. Journal of Materials Science: Materials in Electronics, 2019, 30, 10369-10382. | 1.1 | 1         |
| 33 | Charged particle radiation induced changes to optical properties of acousto-optic materials. Applied Optics, 2020, 59, 3706.  | 0.9 | 1         |
| 34 | Particle trapping and annihilation within the extraction system of ion sources. Review of Scientific Instruments, 2002, 73, 834-836.  | 0.6 | 0         |
| 35 | Predicted depth profiles for nitrogen-ion implantation into gallium arsenide. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 939-942.                                     | 0.8 | 0         |
| 36 | MAGNETIC GUIDING OF A MOVING FERROMAGNETIC SPHERE. Progress in Electromagnetics Research M, 2013, 32, 245-256.  | 0.5 | 0         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Characterisation of hydrogen ion implantation damage in quartz, lithium niobate and tellurium dioxide by Raman spectroscopy. Radiation Effects and Defects in Solids, 2021, 176, 601-611. | 0.4 | 0         |
| 38 | P3I: a simulation code for Plasma Immersion Ion Implantation (PIII) dose prediction. , 2021, , .  |     | 0         |
| 39 | Effect of Secondary Electron Emission From Various Targets During Variable Pulse Length PIII. , 2022, , .   |     | 0         |