# Kazumoto Hosaka

List of Publications by Year
in descending order



| 51 | 1,070 | 471509 | 434195 |
|---|---|---|---|
| papers | citations | 17 h-index | 31 g-index |

| 52 | 52 | 52 | 641 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Improved frequency ratio measurement with <sup>87</sup>Sr and <sup>171</sup>Yb optical lattice clocks at NMIJ. Metrologia, 2021, 58, 015008. | 1.2 | 8 |
| 2 | Development of an operational Yb optical lattice clock towards contribution to the International Atomic Time. , 2020, , . | | 0 |
| 3 | Demonstration of the nearly continuous operation of an<sup>171</sup>Yb optical lattice clock for half a year. Metrologia, 2020, 57, 065021. | 1.2 | 24 |
| 4 | Sr optical lattice clock assisted by optical frequency combs for contribution to International Atomic Time. , 2020, , . | | 0 |
| 5 | A relocking scheme for optical phase locking using a digital circuit with an electrical delay line. Review of Scientific Instruments, 2019, 90, 103002. | 1.3 | 9 |
| 6 | Evaluation of Fiber Noise Induced in Ultrastable Environments. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 2246-2252. | 4.7 | 9 |
| 7 | Development of 8-branch Er:fiber frequency comb for Sr and Yb optical lattice clocks. Optics Express, 2019, 27, 6404. | 3.4 | 14 |
| 8 | Dual-Mode Operation of an Optical Lattice Clock Using Strontium and Ytterbium Atoms. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 1069-1075. | 3.0 | 13 |
| 9 | Uncertainty Evaluation of an <sup>171</sup>Yb Optical Lattice Clock at NMIJ. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 2449-2458. | 3.0 | 17 |
| 10 | A frequency-stabilized light source at 399 nm using an Yb hollow-cathode lamp. Japanese Journal of Applied Physics, 2018, 57, 062501. | 1.5 | 8 |
| 11 | Development of an 8-branch optical frequency comb for laser frequency stabilization. , 2017, , . | | 0 |
| 12 | Absolute frequency measurements and hyperfine structures of the molecular iodine transitions at 578â€‰â€‰nm. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 725. | 2.1 | 20 |
| 13 | Second harmonic generation at 399 nm resonant on the ^1S_0â^'^1P1 transition of ytterbium using a periodically poled LiNbO_3 waveguide. Optics Express, 2016, 24, 12142. | 3.4 | 21 |
| 14 | Sub-Doppler laser spectroscopy of molecular iodine at 578 nm. , 2016, , . | | 0 |
| 15 | Improved Frequency Measurement of the <sup>1</sup>S<sub>0</sub>â€“<sup>3</sup>P<sub>0</sub> Clock Transition in <sup>87</sup>Sr Using a Cs Fountain Clock as a Transfer Oscillator. Journal of the Physical Society of Japan, 2015, 84, 115002. | 1.6 | 26 |
| 16 | Novel phase-locking schemes for the carrier envelope offset frequency of an optical frequency comb. Applied Physics Express, 2015, 8, 112402. | 2.4 | 4 |
| 17 | All-optically stabilized frequency comb. Applied Physics Express, 2015, 8, 122701. | 2.4 | 6 |
| 18 | Compact iodine-stabilized laser operating at 531 nm with stability at the 10^â^'12 level and using a coin-sized laser module. Optics Express, 2015, 23, 20749. | 3.4 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Ultra-broadband dual-comb spectroscopy across 1.0â€“1.9 Âµm. Applied Physics Express, 2015, 8, 082402. | 2.4 | 134 |
| 20 | Frequency-Control Characteristics of an Erbium-Based Mode-Locked Fiber Laser with an Optically Pumped Ytterbium Fiber. , 2015, , . | | 1 |
| 21 | A compact iodine-stabilized diode laser at 531 nm. , 2015, , . | | 0 |
| 22 | Spectroscopy and frequency measurement of the<sup>87</sup>Sr clock transition by laser linewidth transfer using an optical frequency comb. Applied Physics Express, 2014, 7, 012401. | 2.4 | 44 |
| 23 | Frequency ratio measurement of ^171Yb and ^87Sr optical lattice clocks. Optics Express, 2014, 22, 7898. | 3.4 | 40 |
| 24 | Evaluation of an ultra-stable laser system based on a linewidth transfer method for optical clocks. , 2014, , . | | 0 |
| 25 | Ultra-Broadband Near-Infrared Dual-Comb Spectroscopy. , 2014, , . | | 0 |
| 26 | Precision measurement with optical frequency combs and clocks. , 2013, , . | | 0 |
| 27 | A Fabryâ€“PÃ©rot Etalon with an Ultralow Expansion Ceramic Spacer. Japanese Journal of Applied Physics, 2013, 52, 032402. | 1.5 | 43 |
| 28 | Spectroscopy of ^171Yb in an optical lattice based on laser linewidth transfer using a narrow linewidth frequency comb. Optics Express, 2013, 21, 7891. | 3.4 | 46 |
| 29 | Towards a new clock laser system using a ceramic cavity and laser linewidth transfer technique. , 2013, , . | | 0 |
| 30 | Optical frequency measurement comparison using fiber laser combs between CMS and NMIJ. , 2013, , . | | 0 |
| 31 | Narrow linewidth comb realized with a mode-locked fiber laser using an intra-cavity waveguide electro-optic modulator for high-speed control. Optics Express, 2012, 20, 13769. | 3.4 | 80 |
| 32 | Narrow linewidth laser system realized by linewidth transfer using a fiber-based frequency comb for the magneto-optical trapping of strontium. Optics Express, 2012, 20, 16010. | 3.4 | 25 |
| 33 | Improved Absolute Frequency Measurement of the $^{171}$Yb Optical Lattice Clock towards a Candidate for the Redefinition of the Second. Applied Physics Express, 2012, 5, 102401. | 2.4 | 61 |
| 34 | Current status of the<sup>171</sup>Yb optical lattice clock at NMIJ, AIST. Proceedings of SPIE, 2011, , . | 0.8 | 0 |
| 35 | The CCL-K11 ongoing key comparison: final report for the year 2010. Metrologia, 2011, 48, 04001-04001. | 1.2 | 1 |
| 36 | Yb Optical Lattice Clock at NMIJ, AIST. , 2010, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | All-fiber-based frequency comb with an intra-cavity waveguide electro-optic modulator. , 2010, , . | | 1 |
| 38 | Toward the Yb/Sr frequency ratio measurement: Development of the Sr optical lattice clock at NMIJ, AIST. , 2010, , . | | 0 |
| 39 | Fiber-based frequency combs with millihertz-level relative linewidths for optical lattice clocks. , 2010, , . | | 0 |
| 40 | Fiber-comb-stabilized light source at 556 nm for magneto-optical trapping of ytterbium. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 1388. | 2.1 | 21 |
| 41 | A multi-branch, fiber-based frequency comb with millihertz-level relative linewidths using an intra-cavity electro-optic modulator. Optics Express, 2010, 18, 1667. | 3.4 | 181 |
| 42 | Evaluation of the clock laser for an Yb lattice clock using an optic fiber comb. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 606-612. | 3.0 | 28 |
| 43 | Development of an ultra-narrow-linewidth laser for interrogating the <sup>1</sup>S<inf>0</inf> - <sup>3</sup>P<inf>0</inf> Clock Transition in Yb atoms. , 2009, , . | | 0 |
| 44 | Doppler-free spectroscopy of molecular iodine using a frequency-stable light source at 578 nm. Optics Express, 2009, 17, 1652. | 3.4 | 43 |
| 45 | A low-noise, octave-spanning optical frequency comb generated by a mode-locked fiber laser with an intracavity electro-optic modulator. , 2009, , . | | 0 |
| 46 | An iodine-stabilized Yb:YAG laser. , 2008, , . | | 0 |
| 47 | Present status of the development of an Yb optical lattice clock at NMIJ/AIST (National Metrology) Tj ETQq1 1 0.784314 rgBT /Overlock SPIE, 2007, , . | 0.8 | 7 |
| 48 | Electron transfer and decay processes of highly charged iodine ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 403-415. | 1.5 | 8 |
| 49 | Slow Secondary Electron Emission Yields at Near-Zero Kinetic Energy, Highly Charged Ion Impact. Japanese Journal of Applied Physics, 1999, 38, 2120-2121. | 1.5 | 1 |
| 50 | Dependence of radiative stabilization on the projectile charge state after double-electron-transfer processes in slow, highly charged ion-molecule collisions. Physical Review A, 1997, 56, 4692-4699. | 2.5 | 4 |
| 51 | One-Dimensional Optical Lattice Clock with a Fermionic<sup>171</sup>Yb Isotope. Applied Physics Express, 0, 2, 072501. | 2.4 | 91 |