

G Werth

List of Publications by Year in descending order

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151
papers

4,712
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163
all docs

163
docs citations

163
times ranked

1466
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | High-precision mass spectrometer for light ions. Physical Review A, 2019, 100, . | 2.5 | 28 |
| 2 | <math display="block">g_{\text{Li-like}} = g_{\text{Si-like}} Factor of Lithiumlike Silicon: New Challenge to Bound-State QED. Physical Review Letters, 2019, 123, 173001. | 7.8 | 29 |
| 3 | High-Precision Measurement of the Proton's Atomic Mass. Physical Review Letters, 2017, 119, 033001. | 7.8 | 85 |
| 4 | The electron mass from g_f -factor measurements on hydrogen-like carbon-12. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144032. | 1.5 | 51 |
| 5 | Buffer-gas-cooled ion clouds in a classical Paul trap: superimposed stability diagrams and trapping capacity investigations. Applied Physics B: Lasers and Optics, 2014, 114, 89-98. | 2.2 | 2 |
| 6 | High-precision measurement of the atomic mass of the electron. Nature, 2014, 506, 467-470. | 27.8 | 258 |
| 7 | <math display="block">g_{\text{Si-like}} = g_{\text{Li-like}} Factor of Lithiumlike Silicon | 7.8 | 92 |
| 8 | display="block">g_{\text{Si-like}} = g_{\text{Li-like}} -factor measurement of hydrogenlike silicon-28. Physical Review Letters, 2011, 106, 113001. | 2.5 | 94 |
| 9 | Cooling and stabilization by collisions in a mixed ion-atom system. Nature Communications, 2012, 3, 1126. | 12.8 | 111 |
| 10 | Experimental g factor of hydrogenlike silicon-28. European Physical Journal D, 2012, 66, 1. | 1.3 | 19 |
| 11 | Combined ion and atom trap for low-temperature ion-atom physics. Applied Physics B: Lasers and Optics, 2012, 107, 971-981. | 2.2 | 22 |
| 12 | <math display="block">g_{\text{Si-like}} = g_{\text{Li-like}} Factor of Hydrogenlike silicon-28. Physical Review Letters, 2011, 106, 113001. | 7.8 | 153 |
| 13 | Precision spectroscopy with individual ions. Indian Journal of Physics, 2010, 84, 939-946. | 1.8 | 1 |
| 14 | Three-dimensional lattice of ion traps. Physical Review A, 2010, 81, . | 2.5 | 3 |
| 15 | On g_f -factor experiments with individual ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 074016. | 1.5 | 13 |
| 16 | Fabrication of a planar micro Penning trap and numerical investigations of versatile ion positioning protocols. New Journal of Physics, 2010, 12, 065019. | 2.9 | 15 |
| 17 | Penning traps as a versatile tool for precise experiments in fundamental physics. Contemporary Physics, 2010, 51, 149-175. | 1.8 | 109 |
| 18 | g_f -factor experiments on simple systems in Penning traps. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 154021. | 1.5 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Experimental and theoretical challenges for the trapped electron quantum computer. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 154010. | 1.5 | 20 |
| 20 | High-accuracy Penning trap mass measurements with stored and cooled exotic ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 154015. | 1.5 | 13 |
| 21 | Creation of highly-charged calcium ions for the <i>g</i> -factor determination of the bound electron. <i>Journal of Physics: Conference Series</i> , 2009, 163, 012108. | 0.4 | 7 |
| 22 | Electrons in a cryogenic planar Penning trap and experimental challenges for quantum processing. <i>European Physical Journal D</i> , 2008, 50, 97-102. | 1.3 | 30 |
| 23 | The anomalous magnetic moment of the electron in hydrogenlike ions. <i>European Physical Journal: Special Topics</i> , 2008, 163, 113-126. | 2.6 | 13 |
| 24 | Chapter 7 HITRAP: A Facility at GSI for Highly Charged Ions. <i>Advances in Quantum Chemistry</i> , 2008, 53, 83-98. | 0.8 | 109 |
| 25 | Principles of Ion Traps. <i>Lecture Notes in Physics</i> , 2008, , 1-37. | 0.7 | 1 |
| 26 | Towards <i>g</i> -factor determination of the electron bound in highly-charged calcium ions. <i>Journal of Physics: Conference Series</i> , 2007, 58, 121-124. | 0.4 | 10 |
| 27 | Optical spectroscopy in ion traps. <i>European Physical Journal D</i> , 2007, 45, 121-124. | 1.3 | 4 |
| 28 | Highly charged ions, quantum-electrodynamics, and the electron mass. <i>International Journal of Mass Spectrometry</i> , 2006, 251, 152-158. | 1.5 | 34 |
| 29 | Instabilities of ion motion in a linear Paul trap. <i>International Journal of Mass Spectrometry</i> , 2006, 252, 61-68. | 1.5 | 57 |
| 30 | A miniature electron-beam ion source for in-trap creation of highly charged ions. <i>Review of Scientific Instruments</i> , 2006, 77, 03A901. | 1.3 | 28 |
| 31 | Towards electronic <i>g</i> -factor measurements in medium-heavy hydrogen-like and lithium-like ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 235, 7-16. | 1.4 | 26 |
| 32 | A planar Penning trap. <i>European Physical Journal D</i> , 2005, 32, 139-146. | 1.3 | 64 |
| 33 | Phase-sensitive measurement of trapped particle motions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 297-304. | 1.5 | 33 |
| 34 | TITAN project status report and a proposal for a new cooling method of highly charged ions. <i>European Physical Journal A</i> , 2005, 25, 53-56. | 2.5 | 18 |
| 35 | TITAN project status report and a proposal for a new cooling method of highly charged ions. , 2005, , 53-56. | 0 | 0 |
| 36 | Electronic <i>g</i> -Factor of Hydrogenlike Oxygen O ⁷⁺ . <i>Physical Review Letters</i> , 2004, 92, 093002. | 7.8 | 225 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Continuous Stern-Gerlach effect and the magnetic moment of the antiproton. Nuclear Instruments & Methods in Physics Research B, 2004, 214, 207-210. | 1.4 | 19 |
| 38 | Subharmonic excitation of the eigenmodes of charged particles in a Penning trap. European Physical Journal D, 2004, 28, 39-48. | 1.3 | 9 |
| 39 | Temperature measurement of a single ion in a Penning trap. European Physical Journal D, 2004, 31, 451-457. | 1.3 | 35 |
| 40 | Electron and positron cooling of highly charged ions in a cooler Penning trap. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 532, 224-228. | 1.6 | 27 |
| 41 | Determination of the g-Factor of Single Hydrogen-Like Ions by Mode Coupling in a Penning Trap. Physica Scripta, 2004, T112, 68. | 2.5 | 24 |
| 42 | Instabilities of an electron cloud in a Penning trap. European Physical Journal D, 2003, 22, 183-188. | 1.3 | 17 |
| 43 | Double Penning trap technique for precise g factor determinations in highly charged ions. European Physical Journal D, 2003, 22, 163-182. | 1.3 | 108 |
| 44 | The $g_{\text{scriptscriptstyle J}}$ -factor in the ground state of Ca $^{+}$. European Physical Journal D, 2003, 25, 113-121. | 1.3 | 29 |
| 45 | Ion trap nuclear resonance on $^{151}\text{Eu}^+$. European Physical Journal D, 2003, 26, 237-244. | 1.3 | 4 |
| 46 | Precision studies in traps: Measurement of fundamental constants and tests of fundamental theories. Nuclear Instruments & Methods in Physics Research B, 2003, 205, 1-8. | 1.4 | 10 |
| 47 | The magnetic moment anomaly of the electron bound in hydrogen-like oxygen $^{16}\text{O}7\text{\AA}$. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 655-663. | 1.5 | 12 |
| 48 | Measurement of the g Factor of the Bound Electron in Hydrogen-like Oxygen $^{16}\text{O}7^+$. , 2003, , 47-52. | | 0 |
| 49 | The measurement of the electronic g-factor in hydrogen-like ions – A promising tool for determining fundamental and nuclear constants. , 2003, , 29-32. | | 0 |
| 50 | A new value for the mass of the electron from an experiment on the g factor in $^{12}\text{C}5^+$ and $^{16}\text{O}7^+$. Canadian Journal of Physics, 2002, 80, 1241-1247. | 1.1 | 4 |
| 51 | Measurement of the g factor of a bound electron in hydrogen-like oxygen $^{16}\text{O}7^+$. Canadian Journal of Physics, 2002, 80, 1233-1240. | 1.1 | 19 |
| 52 | The measurement of the electronic g-factor in hydrogen-like ions –A promising tool for determining fundamental and nuclear constants. European Physical Journal A, 2002, 15, 41-44. | 2.5 | 14 |
| 53 | HITRAP: A Facility for Experiments with Trapped Highly Charged Ions. Hyperfine Interactions, 2001, 132, 453-457. | 0.5 | 53 |
| 54 | A Possible New Value for the Electron Mass from g-Factor Measurements on Hydrogen-Like Ions. Hyperfine Interactions, 2001, 132, 209-212. | 0.5 | 1 |

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|----|---|------|-----------|
| 55 | The g Factor of Hydrogenic Ions: A Test of Bound State QED., 2001,, 204-220. | | 4 |
| 56 | A Possible New Value for the Electron Mass from g-Factor Measurements on Hydrogen-Like Ions., 2001,, 209-213. | | 2 |
| 57 | HITRAP: A Facility for Experiments with Trapped Highly Charged Ions., 2001,, 457-461. | | 7 |
| 58 | Hyperfine structure and (user1{g}) factor measurements on Ba+ and Eu+ isotopes., 2000, 127, 57-64. | | 21 |
| 59 | Testing atomic structure theories with high accuracy mass measurements on highly charged ions., 2000, 127, 271-276. | | 4 |
| 60 | Precision Nuclear Measurements with Ion Traps. Annual Review of Nuclear and Particle Science, 2000, 50, 119-152. | 10.2 | 21 |
| 61 | Crystalline ion structures in a Paul trap. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, L375-L382. | 1.5 | 49 |
| 62 | High-Accuracy Measurement of the Magnetic Moment Anomaly of the Electron Bound in Hydrogenlike Carbon. Physical Review Letters, 2000, 85, 5308-5311. | 7.8 | 254 |
| 63 | Observation of the Continuous Stern-Gerlach Effect on an Electron Bound in an Atomic Ion. Physical Review Letters, 2000, 84, 427-430. | 7.8 | 104 |
| 64 | Fractional frequency parametric resonances in a Paul trap., 1999,,. | | 0 |
| 65 | 3d. European Physical Journal D, 1999, 7, 461. | 1.3 | 37 |
| 66 | The g-factor of the Electron Bound in Hydrogen-like Ions. Physica Scripta, 1999, T80, 437. | 2.5 | 2 |
| 67 | Observing a single hydrogen-like ion in a Penning trap at T = 4 K., 1998, 115, 185-192. | | 24 |
| 68 | Precise \$sf g_J\$ - and \$sf g_I\$ -factor measurements of Ba + isotopes. European Physical Journal D, 1998, 4, 279-284. | 1.3 | 26 |
| 69 | Fractional frequency collective parametric resonances of an ion cloud in a Paul trap. Physical Review A, 1998, 58, R34-R37. | 2.5 | 31 |
| 70 | Spatial separation of atomic states in a laser-cooled ion crystal. Physical Review A, 1998, 58, R23-R25. | 2.5 | 11 |
| 71 | Shifts of the 3D - 4P transitions in different isotopes of positive calcium ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, L677-L681. | 1.5 | 7 |
| 72 | Instabilities of ion confinement in a penning trap. Europhysics Letters, 1997, 37, 459-464. | 2.0 | 9 |

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|----|---|-----|----|-----------|
| 73 | Nonlinear collective oscillations of an ion cloud in a Paul trap. <i>Physical Review A</i> , 1997, 56, 4023-4031. | 2.5 | 38 | |
| 74 | Ground-state hyperfine-structure measurements of unstable Eu+isotopes in a Paul ion trap. <i>Physical Review A</i> , 1997, 56, 265-269. | 2.5 | 24 | |
| 75 | Influence of anharmonicities of a Paul trap potential on the motion of stored ions. <i>Applied Physics B: Lasers and Optics</i> , 1997, 65, 57-62. | 2.2 | 16 | |
| 76 | Precision spectroscopy on simple and complex atomic ions in traps. <i>Physica Scripta</i> , 1997, T72, 34-40. | 2.5 | 0 | |
| 77 | Ion traps and their application in spectroscopy. <i>Hyperfine Interactions</i> , 1996, 99, 3-30. | 0.5 | 9 | |
| 78 | Measurement of the gJ factor of hydrogenic ions: a sensitive test of bound state QED. <i>Hyperfine Interactions</i> , 1996, 99, 91-95. | 0.5 | 10 | |
| 79 | Some Observations on Higher-order Non-linear Resonances in a Paul Trap. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 583-590. | 1.5 | 21 | |
| 80 | Higher order non-linear resonances in a Paul trap. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1996, 154, 155-169. | 1.8 | 80 | |
| 81 | Isotope separation by nonlinear resonances in a Paul trap. <i>Applied Physics B: Lasers and Optics</i> , 1996, 62, 511-513. | 2.2 | 17 | |
| 82 | Experimental gJfactor in the metastable 5D3/2level of Ba+. <i>Physical Review A</i> , 1996, 54, 1199-1205. | 2.5 | 18 | |
| 83 | Precise lifetime determination of the metastable 3d 2 D 5/2 level in Ca + by "electron shelving". <i>Europhysics Letters</i> , 1996, 33, 595-598. | 2.0 | 22 | |
| 84 | Spatial fluorescence distribution and laser cooling of Ca+in a Paul trap. <i>Physica Scripta</i> , 1995, T59, 396-402. | 2.5 | 5 | |
| 85 | Doppler free ?dark resonances? for hyperfine measurements and isotope shifts in Ca+ isotopes in a Paul trap. <i>Zeitschrift fÃ¼r Physik D-Atoms Molecules and Clusters</i> , 1995, 34, 227-232. | 1.0 | 24 | |
| 86 | Observation of instabilities in a Paul trap with higher-order anharmonicities. <i>Applied Physics B: Lasers and Optics</i> , 1995, 61, 277-283. | 2.2 | 44 | |
| 87 | Hyperfine-structure measurements in the ground state of radioactive Eu+150ions. <i>Physical Review A</i> , 1995, 52, 4434-4438. | 2.5 | 15 | |
| 88 | Hyperfine structure andg-factor measurements in ion traps. <i>Physica Scripta</i> , 1995, T59, 206-210. | 2.5 | 16 | |
| 89 | Field stabilization of a superconducting magnet by helium pressure control. <i>Measurement Science and Technology</i> , 1995, 6, 222-226. | 2.6 | 5 | |
| 90 | Fundamental particle properties using particle traps. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1994, 20, 1865-1883. | 3.6 | 6 | |

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|-----|--|--|-----|-----------|
| 91 | Improved lifetime measurements of the 3D3/2 and 3D5/2 metastable states of Ca II. Zeitschrift fÃ¼r Physik D-Atoms Molecules and Clusters, 1994, 29, 159-161. | | 1.0 | 25 |
| 92 | High-resolution microwave spectroscopy on trapped ion clouds. Applied Physics B: Lasers and Optics, 1994, 59, 257-263. | | 2.2 | 2 |
| 93 | Spectroscopy of excited state positronium. Hyperfine Interactions, 1994, 89, 327-341. | | 0.5 | 23 |
| 94 | Positronium spectroscopy at a LINAC-based slow positron source. Hyperfine Interactions, 1993, 76, 295-303. | | 0.5 | 1 |
| 95 | Antihydrogen production in a combined trap. Hyperfine Interactions, 1993, 76, 343-345. | | 0.5 | 11 |
| 96 | Experimental ground stateg J-factor of Ba+ in a Penning ion trap. Zeitschrift fÃ¼r Physik D-Atoms Molecules and Clusters, 1993, 25, 205-208. | | 1.0 | 11 |
| 97 | Vibrational population of H 2 + after electroionization of thermal H2. Zeitschrift fÃ¼r Physik D-Atoms Molecules and Clusters, 1993, 28, 87-88. | | 1.0 | 18 |
| 98 | Lifetime measurements of the 3D3/2 and 3D5/2 metastable states in Call. Zeitschrift fÃ¼r Physik D-Atoms Molecules and Clusters, 1993, 25, 295-298. | | 1.0 | 26 |
| 99 | Collisional relaxation measurements on Pb+ hyperfine levels. Zeitschrift fÃ¼r Physik D-Atoms Molecules and Clusters, 1993, 25, 103-105. | | 1.0 | 1 |
| 100 | Hyperfine-structure measurements of the Eu+151,153ground state. Physical Review A, 1993, 48, 3546-3554. | | 2.5 | 43 |
| 101 | Precise measurement of n=2 positronium fine-structure intervals. Physical Review Letters, 1993, 71, 2887-2890. | | 7.8 | 47 |
| 102 | Mass determination of light ions in a Penning trap by time-of-flight detection of ion resonances. Physica Scripta, 1992, 46, 575-580. | | 2.5 | 10 |
| 103 | The combined trap and some possible applications. Physica Scripta, 1992, 46, 587-592. | | 2.5 | 38 |
| 104 | Hyperfine-structure measurements on trapped Pb ii. Physical Review A, 1992, 46, 327-329. | | 2.5 | 10 |
| 105 | High-precision hyperfine spectroscopy in M1-M1 double-resonance transitions on trapped Pb+207. Physical Review A, 1992, 46, 2959-2961. | | 2.5 | 10 |
| 106 | Hyperfine Structure of the 6P_{1/2}. Journal of Modern Optics, 1992, 39, 411-416. | | 1.3 | 6 |
| 107 | Energy distribution of ions in a Penning trap. International Journal of Mass Spectrometry and Ion Processes, 1992, 121, 65-75. | | 1.8 | 2 |
| 108 | Hyperfine structure and g-factor measurements in ion traps. Hyperfine Interactions, 1992, 74, 67-74. | | 0.5 | 3 |

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| 109 | On the possible determination of hyperfine anomalies by trapped ion spectroscopy. Nuclear Instruments & Methods in Physics Research B, 1992, 70, 494-499. | 1.4 | 10 |
| 110 | Experimental lifetime of the metastable 5D 3/2 state in Ba+. Zeitschrift fÃ¼r Physik D-Atoms Molecules and Clusters, 1992, 24, 339-342. | 1.0 | 15 |
| 111 | Ground- and excited stateg-factors of Ba+. Zeitschrift fÃ¼r Physik D-Atoms Molecules and Clusters, 1991, 18, 113-115. | 1.0 | 10 |
| 112 | Adiabatic cooling of ions in the penning trap. Zeitschrift fÃ¼r Physik D-Atoms Molecules and Clusters, 1991, 22, 375-382. | 1.0 | 10 |
| 113 | Measurement of the ${}^3\text{He} + \text{H}$ Mass Ratio. Europhysics Letters, 1991, 15, 491-495. | 2.0 | 10 |
| 114 | A high precision Penning trap mass spectrometer. Nuclear Instruments & Methods in Physics Research B, 1990, 47, 453-461. | 1.4 | 24 |
| 115 | Measurement of the ${}^4\text{He}-\text{D}_2$ mass difference. Zeitschrift fÃ¼r Physik D-Atoms Molecules and Clusters, 1990, 17, 119-121. | 1.0 | 22 |
| 116 | Energy dependence of excited positronium formation at a molybdenum surface. Journal of Physics B: Atomic, Molecular and Optical Physics, 1990, 23, 3437-3442. | 1.5 | 9 |
| 117 | Evidence from n=2 fine structure transitions for the production of fast excited state positronium. Journal of Physics B: Atomic, Molecular and Optical Physics, 1990, 23, 1915-1921. | 1.5 | 6 |
| 118 | Lifetime of the metastable 6P 3/2 level of PbII. Zeitschrift fÃ¼r Physik D-Atoms Molecules and Clusters, 1989, 11, 283-286. | 1.0 | 15 |
| 119 | Collisional de-excitation of the metastableD-states of Ba+ by He, Ne, N2 and H2. Zeitschrift fÃ¼r Physik D-Atoms Molecules and Clusters, 1989, 11, 301-304. | 1.0 | 14 |
| 120 | Electro-produced slow positrons. Hyperfine Interactions, 1989, 44, 151-166. | 0.5 | 11 |
| 121 | Lifetime and collisional depopulation of the metastable 5D 3/2-state of Yb+. Zeitschrift fÃ¼r Physik D-Atoms Molecules and Clusters, 1988, 8, 235-237. | 1.0 | 48 |
| 122 | Measurement of the ground state hyperfine splitting in ${}^{207}\text{Pb}$ II. Zeitschrift fÃ¼r Physik D-Atoms Molecules and Clusters, 1988, 9, 265-265. | 1.0 | 8 |
| 123 | Measurement of the electronicgfactor of H_2^+ . Physical Review A, 1988, 38, 5484-5488. | 2.5 | 12 |
| 124 | Precision Microwave Spectroscopy on Trapped Ions. Physica Scripta, 1988, T22, 191-194. | 2.5 | 8 |
| 125 | Precision spectroscopy on stored atomic ions. Physica Scripta, 1987, 36, 149-152. | 2.5 | 3 |
| 126 | Precision Spectroscopy on Trapped Radioactive Ions: Ground-State Hyperfine Splittings of ${}^{133}\text{Ba}^+$ and ${}^{131}\text{Ba}^+$. Europhysics Letters, 1987, 4, 1361-1364. | 2.0 | 25 |

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| 127 | Precise ground-state hyperfine splitting in ^{173}Ba . Physical Review A, 1987, 35, 4147-4150. | | 2.5 | 47 |
| 128 | Spin dependence of low energy charge exchange between H^+ and Na . Zeitschrift für Physik D-Atoms Molecules and Clusters, 1987, 7, 189-192. | | 1.0 | 7 |
| 129 | Lifetime of the 4D 3/2 and 4D 5/2 metastable states in Sr II. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1987, 5, 97-99. | | 1.0 | 36 |
| 130 | Precision spectroscopy on trapped atomic ions. Hyperfine Interactions, 1987, 38, 699-709. | | 0.5 | 6 |
| 131 | Ion Traps and Frequency Standards. Metrologia, 1986, 22, 190-194. | | 1.2 | 34 |
| 132 | Intense source of slow positrons from pulsed electron accelerators. Applied Physics A: Solids and Surfaces, 1984, 33, 59-62. | | 1.4 | 31 |
| 133 | Precise determination of the ground state hyperfine splitting of $^{135}\text{Ba}^+$. Zeitschrift für Physik A, 1983, 311, 41-47. | | 1.4 | 22 |
| 134 | Precise determination of the $^{171}\text{Yb}^+$ ground state Hyperfine separation. Zeitschrift für Physik A, 1983, 312, 143-147. | | 1.4 | 39 |
| 135 | Precision determination of the ground-state hyperfine splitting in Ba^{+137} using the ion-storage technique. Physical Review A, 1982, 25, 1476-1482. | | 2.5 | 69 |
| 136 | Ultrahigh-Resolution Microwave Spectroscopy on Trapped Yb^{+171} Ions. Physical Review Letters, 1982, 48, 1601-1603. | | 7.8 | 70 |
| 137 | Trapping of ions from high energy sources into a radiofrequency ion trap. Applied Physics B, Photophysics and Laser Chemistry, 1982, 29, 89-92. | | 1.5 | 19 |
| 138 | Precision ground state Hfs-separation of ^{137}Ba . Zeitschrift für Physik A, 1981, 299, 93-94. | | 1.4 | 20 |
| 139 | Trapped ion density distribution in the presence of He-buffer gas. Applied Physics Berlin, 1981, 25, 249-251. | | 1.4 | 102 |
| 140 | (6P-5D)-branching ratio in Ba II. Optics Communications, 1981, 36, 359-360. | | 2.1 | 13 |
| 141 | On the sensitivity of ion traps for spectroscopic applications. Applied Physics Berlin, 1979, 20, 295-298. | | 1.4 | 19 |
| 142 | Ion storage technique for very long living states: The decay rate of the 5D 3/2 state of Ba II. Zeitschrift für Physik A, 1979, 293, 103-106. | | 1.4 | 48 |
| 143 | Magnetic hyperfine spectrum of isolated $(^{199}\text{Hg})^+$ Ions. Applied Physics Berlin, 1978, 15, 201-208. | | 1.4 | 25 |
| 144 | Precision determination of the ground-state hyperfine separation in Hg^{+199} using the ion-storage technique. Physical Review A, 1978, 17, 1999-2004. | | 2.5 | 49 |

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| 145 | Optical Detection of Ions Confined in a rf Quadrupole Trap. <i>Metrologia</i> , 1977, 13, 167-170. | | 1.2 | 86 |
| 146 | Observation of a saturation dip in the fluorescence light from electrodynamically trapped Ba+ ions. <i>Optics Communications</i> , 1977, 21, 411-412. | | 2.1 | 4 |
| 147 | High-Resolution Magnetic Hyperfine Resonance in Harmonically Bound Ground-State Hg ¹⁹⁹ Ions. <i>Physical Review Letters</i> , 1973, 30, 1155-1158. | | 7.8 | 103 |
| 148 | Method for measuring the anomalous magnetic moment of free electrons. <i>Zeitschrift fÃ¼r Physik A</i> , 1969, 222, 201-207. | | 0.9 | 57 |
| 149 | Zur Toxikologie der Triphenylmethanfarbstoffe. <i>Archives of Toxicology</i> , 1968, 23, 82-103. | | 4.2 | 17 |
| 150 | Method for Measuring the Cyclotron and Spin Resonance of Free Electrons. <i>Physical Review Letters</i> , 1968, 21, 340-342. | | 7.8 | 35 |
| 151 | Non-Neutral Plasmas and Collective Phenomena in Ion Traps. , 0, , 269-295. | | | 2 |