

# Paul Indelicato

## List of Publications by Year in descending order

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381  
papers

10,615  
citations

47409

49  
h-index

53065

89  
g-index

384  
all docs

384  
docs citations

384  
times ranked

3711  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of a Continuous Muon Source for the Non-Destructive and Depth-Selective Elemental Composition Analysis by Muon Induced X- and Gamma-rays. Applied Sciences (Switzerland), 2022, 12, 2541.	1.3	9
2	Structure of single $KL\sigma^+$ , double $KL1\sigma^+$ , and triple $KL2\sigma^+$ ionization in Mg, Al, and Si targets induced by photons, and their absorption spectra. Radiation Physics and Chemistry, 2022, 194, 110048.	1.4	4
3	Pionic hydrogen and deuterium. EPJ Web of Conferences, 2022, 262, 01005.	0.1	1
4	PUMA, antiProton unstable matter annihilation. European Physical Journal A, 2022, 58, .	1.0	12
5	Positron production using a 9 MeV electron linac for the GBAR experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 985, 164657.	0.7	8
6	Measuring the $\hat{I}\pm$ -particle charge radius with muonic helium-4 ions. Nature, 2021, 589, 527-531.	13.7	62
7	Redetermination of the strong-interaction width in pionic hydrogen. European Physical Journal A, 2021, 57, 1.	1.0	18
8	Angular Distribution of Characteristic Radiation Following the Excitation of He-Like Uranium in Relativistic Collisions. Atoms, 2021, 9, 20.	0.7	3
9	Testing Quantum Electrodynamics with Exotic Atoms. Physical Review Letters, 2021, 126, 173001.	2.9	16
10	A pulsed high-voltage decelerator system to deliver low-energy antiprotons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1002, 165245.	0.7	4
11	Deexcitation Dynamics of Muonic Atoms Revealed by High-Precision Spectroscopy of Electronic $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle K \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle X$ Rays. Physical Review Letters, 2021, 127, 053001.	2.9	19
12	Transition-Edge Sensor Optimization for Hard X-ray Applications. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5. <a href="http://www.w3.org/1998/Math/MathML">Direct <math>\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle Q \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle</math></a> -Value Determination of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle I^2 \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\alpha} \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ Decay of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:multiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle Re \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle$	1.1	6
13	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle Q \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -Value Determination of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle I^2 \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\alpha} \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ Decay of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:multiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle Re \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle$	2.9	16
14	Dynamical Response of Transition-Edge Sensor Microcalorimeters to a Pulsed Charged-Particle Beam. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.1	2
15	Fundamental Parameters Related to Selenium $K\hat{I}\pm$ and $K\hat{I}^2$ Emission X-ray Spectra. Atoms, 2021, 9, 8.	0.7	5
16	Theoretical fluorescence yields and widths of the $\langle i \rangle K \langle /i \rangle$ shell and the $\langle i \rangle L \langle /i \rangle$ subshells, for the Ne, Ar, and Kr isoelectronic sequences. X-Ray Spectrometry, 2020, 49, 69-73.	0.9	2
17	High-resolution wavelength-dispersive spectroscopy of $K\hat{\epsilon}$ shell transitions in hydrogen-like gold. X-Ray Spectrometry, 2020, 49, 204-208.	0.9	1
18	X-ray Spectroscopy of Muonic Atoms Isolated in Vacuum with Transition Edge Sensors. Journal of Low Temperature Physics, 2020, 200, 445-451.	0.6	13

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19	Structure of $K_{\alpha}$ and $K_{\beta}$ emission x-ray spectra for Ge, Y, and Zr. <i>Physical Review A</i> , 2020, 102, .	1.0	6
20	Detection of metastable electronic states by Penning trap mass spectrometry. <i>Nature</i> , 2020, 581, 42-46.	13.7	31
21	Reference-free measurements of the $1s2s2p2P_{1/2,3/2} \rightarrow 1s2s2S_{1/2}$ and $1s2s2p4P_{5/2} \rightarrow 1s2s2S_{1/2}$ transition energies and widths in lithiumlike sulfur and argon ions. <i>Physical Review A</i> , 2020, 101, .	1.0	6
22	Impact parameter sensitive study of inner-shell atomic processes in $Xe^{54+}$ , $Xe^{52+}$ $\hat{+}$ Xe collisions. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 142015.	0.3	0
23	Mass-Difference Measurements on Heavy Nuclides with an $eV$ accuracy in the PENTATRAN Spectrometer. <i>Physical Review Letters</i> , 2020, 124, 113001.	2.9	17
24	Overview and calculation of X-ray $K_{\alpha}$ shell transition yields for comprehensive data libraries. <i>X-Ray Spectrometry</i> , 2020, 49, 398-423.	0.9	1
25	Measurement of the quadrupole moment of $K_{\alpha}$ X-ray transitions from the hyperfine structure of muonic X rays. <i>Physical Review C</i> , 2020, 101, .	1.1	21
26	Accumulation of Positrons from a LINAC Based Source. <i>Acta Physica Polonica A</i> , 2020, 137, 164-166.	0.2	6
27	Development of a $PbWO_4$ Detector for Single-Shot Positron Annihilation Lifetime Spectroscopy at the GBAR Experiment. <i>Acta Physica Polonica A</i> , 2020, 137, 122-125.	0.2	3
28	Precise x-ray energies of gadolinium determined by a combined experimental and theoretical approach. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 236, 106585.	1.1	5
29	QED tests with highly charged ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 232001.	0.6	60
30	Electron- and proton-impact excitation of heliumlike uranium in relativistic collisions. <i>Physical Review A</i> , 2019, 99, .	1.0	13
31	Diagram, valence $\epsilon$ core, and hypersatellite $K_{\alpha}$ X-ray transitions in metallic chromium. <i>X-Ray Spectrometry</i> , 2019, 48, 351-359.	0.9	6
32	All the fun of the FAIR: fundamental physics at the facility for antiproton and ion research. <i>Physica Scripta</i> , 2019, 94, 033001.	1.2	79
33	Theoretical determination of K X-ray transition energy and probability values for highly charged (He-) $Tj$ $ETQq1$ $1.0784314$ $rg_{\beta T}$ / Over	1.4	2
34	Quantum interference in laser spectroscopy of highly charged lithiumlike ions. <i>Physical Review A</i> , 2018, 97, .	1.0	4
35	Theoretical and experimental determination of $K_{\alpha}$ - and $L_{\alpha}$ -shell x-ray relaxation parameters in Ni. <i>Physical Review A</i> , 2018, 97, .	1.0	20
36	On the double peak structure of avalanche photodiode response to monoenergetic x-rays at various temperatures and bias voltages. <i>Journal of Instrumentation</i> , 2018, 13, C01033-C01033.	0.5	1

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37	Line shape analysis of the $K\hat{1}^2$ transition in muonic hydrogen. European Physical Journal D, 2018, 72, 1.	0.6	7
38	High-precision measurements of $\langle mml:math \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle mml:mrow \rangle \langle mml:mi \rangle n \langle /mml:mi \rangle \langle mml:mo \rangle = \langle /mml:mo \rangle \langle mml:mn \rangle 2 \langle /mml:mn \rangle \langle mml:mi \rangle$ transition energies and level widths in He- and Be-like argon ions. Physical Review A, 2018, 97, .	0.1	2
39	The next generation of laser spectroscopy experiments using light muonic atoms. Journal of Physics: Conference Series, 2018, 1138, 012010.	0.3	19
40	Nuclear structure with radioactive muonic atoms. EPJ Web of Conferences, 2018, 193, 04014.	0.1	4
41	Photoionization of metastable heliumlike $\langle mml:math \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle mml:mrow \rangle \langle mml:msup \rangle \langle mml:mrow \rangle \langle mml:mi \rangle$		

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55	<p>Relativistic evaluation of the two-photon decay of the metastable <math>1s^2 2s^2 2p^2</math> state in berylliumlike ions with an effective-potential model. Physical Review A, 2016, 94, .</p> <p>probabilities in elements Ca to Ge and comparison with theory for Ca, Ti, and Ge. Physical Review A, 2016, 94, .</p>	1.0	23
56	Physics book: CRYRING@ESR. European Physical Journal: Special Topics, 2016, 225, 797-882.	1.2	101
57	Laser spectroscopy of muonic deuterium. Science, 2016, 353, 669-673.	6.0	225
58	Towards a test of the weak equivalence principle of gravity using anti-hydrogen at CERN. , 2016, , .		0
59	<p>Relativistic evaluation of the two-photon decay of the metastable <math>1s^2 2s^2 2p^2</math> state in berylliumlike ions with an effective-potential model. Physical Review A, 2016, 93, .</p> <p>width="0.16em" /&gt; &lt;math&gt;P&lt;/math&gt; &lt;math&gt;O&lt;/math&gt; &lt;math&gt;P&lt;/math&gt; &lt;math&gt;O&lt;/math&gt;</p>	1.0	8
60	Measurement of the charged pion mass using a low-density target of light atoms. EPJ Web of Conferences, 2016, 130, 01022.	0.1	4
61	Calculations of photo-induced X-ray production cross-sections in the energy range 1â€“150ÂkeV and average fluorescence yields for Zn, Cd and Hg. Atomic Data and Nuclear Data Tables, 2016, 111-112, 67-86.	0.9	3
62	Introduction to Bound-State Quantum Electrodynamics. , 2016, , 1-110.		2
63	<p>Dirac-Fock calculations of <math>K</math>-shell fluorescence and Coster-Kronig yields for Ne, Ar, Kr, Xe, Rn, and Uuo. Physical Review A, 2015, 91, .</p> <p>and <math>L</math>-shell fluorescence and Coster-Kronig yields for Ne, Ar, Kr, Xe, Rn, and Uuo. Physical Review A, 2015, 91, .</p>	1.0	14
64	Theoretical and experimental determination of $L$ -shell decay rates, line widths, and fluorescence yields in Ge. Physical Review A, 2015, 92, .	1.0	18
65	Quantum interference effects in laser spectroscopy of muonic hydrogen, deuterium, and helium-3. Physical Review A, 2015, 92, .	1.0	18
66	Quantum interference shifts in laser spectroscopy with elliptical polarization. Physical Review A, 2015, 92, .	1.0	11
67	$K$ -shell width, fluorescence yield, and $K^2/K^{\pm}$ intensity ratio calculation for Fe in the Dirac-Fock approach. Journal of Physics: Conference Series, 2015, 635, 092094.	0.3	0
68	Double KK excited states in highly charged sulphur. Journal of Physics: Conference Series, 2015, 635, 022071.	0.3	1
69	Energy levels, transition rates and lifetimes for Li-like ions with $Z \approx 10$ in the $1s2s(3S)3a_{1g}$ states. Journal of Physics: Conference Series, 2015, 635, 052060.	0.3	0
70	Relativistic calculations of atomic parameters in Ununoctium. Journal of Physics: Conference Series, 2015, 635, 092095.	0.3	0
71	Electron- and proton-impact excitation of He-like uranium. Journal of Physics: Conference Series, 2015, 635, 022063.	0.3	0
72	Improved x-ray detection and particle identification with avalanche photodiodes. Review of Scientific Instruments, 2015, 86, 053102.	0.6	8

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73	Crystal optics for precision x-ray spectroscopy on highly charged ions—conception and proof. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144010.	0.6	20
74	The GBAR antimatter gravity experiment. Hyperfine Interactions, 2015, 233, 21-27.	0.2	109
75	Experimental and theoretical determination of the $K\alpha_2 / K\alpha_1$ intensity ratio for zinc. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 151, 295-299.	1.1	3
76	Evaluation of the effective solid angle of a hemispherical deflector analyser with injection lens for metastable Auger projectile states. Nuclear Instruments & Methods in Physics Research B, 2015, 365, 457-461.	0.6	7
77	Pionic hydrogen and friends. Hyperfine Interactions, 2015, 234, 105-111.	0.2	5
78	Relativistic calculation of K-, L- and M-shell x-ray fluorescence yields for Ba. Physica Scripta, 2015, 90, 054009.	1.2	6
79	<i>Ab initio</i> MCDHF calculations of electron–nucleus interactions. Physica Scripta, 2015, 90, 054011.	1.2	18
80	Relativistic calculations of M-shell photoionization and X-ray production cross-sections for Hg at 5.96keV excitation energy. Radiation Physics and Chemistry, 2015, 107, 36-39.	1.4	3
81	Approach towards the critical charge of some excited states of the Be isoelectronic series. Physical Review A, 2014, 90, .	1.0	8
82	Coordinate-space approach to vacuum polarization. Physical Review A, 2014, 89, .	1.0	19
83	Approaches for theoretical and experimental determinations of $K$ -shell decay rates and fluorescence yields in Ge. Physical Review A, 2014, 89, .	1.0	23
84	Hadronic shift in pionic hydrogen. European Physical Journal A, 2014, 50, 1.	1.0	34
85	Precision measurement of the ( $3p \rightarrow 1s$ ) X-ray transition in muonic hydrogen. Physics of Particles and Nuclei, 2014, 45, 181-183.	0.2	2
86	The Gbar project, or how does antimatter fall?. Hyperfine Interactions, 2014, 228, 141-150.	0.2	47
87	Theoretical determination of K X-ray transition energy and probability values for highly charged ions of lanthanum and cerium. European Physical Journal D, 2014, 68, 1.	0.6	2
88	A vacuum double-crystal spectrometer for reference-free X-ray spectroscopy of highly charged ions. Radiation Physics and Chemistry, 2014, 98, 132-149.	1.4	12
89	Relativistic M-subshell radiationless transition probabilities and energies for Zn, Cd and Hg. Atomic Data and Nuclear Data Tables, 2014, 100, 1277-1291.	0.9	4
90	Preparing single ultra-cold antihydrogen atoms for free-fall in GBAR. International Journal of Modern Physics Conference Series, 2014, 30, 1460269.	0.7	13



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109	Transition probability values of the $1s^2 2s3p^3 P_0$ level in Be-like ions. Physica Scripta, 2013, T156, 014020.	1.2	3
110	Lifetime measurement of the $2^3 P_0$ state in He-like uranium. Physica Scripta, 2013, T156, 014024.	1.2	1
111	Relativistic calculations of $1s2s2p$ level splitting in Be-like Kr. Physica Scripta, 2013, T156, 014015.	1.2	6
112	On the interpretation of tungsten emission spectra in fusion devices. Physica Scripta, 2013, T156, 014011.	1.2	0
113	High-resolution K-shell spectra from laser excited molybdenum plasmas. EPJ Web of Conferences, 2013, 59, 13007.	0.1	1
114	Progress on precision measurements of inner shell transitions in highly charged ions at an ECR ion source. , 2012, , .		1
115	Absolute Measurement of the Relativistic Magnetic Dipole Transition Energy in Heliumlike Argon. Physical Review Letters, 2012, 109, 043005.	2.9	45
116	K X-Ray Energies and Transition Probabilities for He-, Li- and Be-like Praseodymium ions. Journal of Physics: Conference Series, 2012, 388, 152018.	0.3	0
117	Electron- and Proton-Impact Excitation in Stored Hydrogenlike Uranium Ions. Journal of Physics: Conference Series, 2012, 388, 082035.	0.3	0
118	Novel approach to theoretical investigation of heavy quasi-molecules. Journal of Physics: Conference Series, 2012, 388, 092006.	0.3	0
119	Parametrization of the angular correlation and degree of linear polarization in two-photon decays of hydrogenlike ions. Physical Review A, 2012, 86, .	1.0	15
120	Mass- and field-shift isotope parameters for the $2s^2 2p^2$ doublet of lithiumlike ions. Physical Review A, 2012, 86, .	1.0	32
121	The size of the proton. Hyperfine Interactions, 2012, 212, 185-194.	0.2	7
122	The Lamb-shift experiment in Muonic helium. Hyperfine Interactions, 2012, 212, 195-201.	0.2	22
123	Decay of the $2s^2 2p^2$ doublet of lithiumlike ions. Physical Review A, 2012, 86, .	1.0	6
124	Relativistic multiconfiguration calculations of the $2s22p^2 P^o$ level lifetime along the boron isoelectronic sequence. European Physical Journal D, 2012, 66, 1.	0.6	9
125	Modeling praseodymium K X-ray lines in an electron beam ion trap. European Physical Journal D, 2012, 66, 1.	0.6	2
126	Analysis of X-ray spectra emitted from a laser-produced lead plasma. European Physical Journal D, 2012, 66, 1.	0.6	1



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127	Pionic hydrogen and deuterium. <i>Hyperfine Interactions</i> , 2012, 209, 57-62.	0.2	7
128	Modified binary encounter Bethe model for electron-impact ionization. <i>International Journal of Mass Spectrometry</i> , 2012, 313, 1-7.	0.7	48
129	Pionic hydrogen and deuterium. , 2012, , 57-62.		0
130	The Lamb-shift experiment in Muonic helium. , 2012, , 195-201.		0
131	lluminating the proton radius conundrum: the $^4\text{He}^+$ Lamb shift This paper was presented at the International Conference on Precision Physics of Simple Atomic Systems, held at $\text{\AA}$ cole de Physique, les Houches, France, 30 May $\text{\AA}$ 4 June, 2010.. <i>Canadian Journal of Physics</i> , 2011, 89, 47-57.	0.4	69
132	The Lamb shift in muonic hydrogen This paper was presented at the International Conference on Precision Physics of Simple Atomic Systems, held at $\text{\AA}$ cole de Physique, les Houches, France, 30 May $\text{\AA}$ 4 June, 2010.. <i>Canadian Journal of Physics</i> , 2011, 89, 37-45.	0.4	5
133	Quantum-electrodynamics corrections in pionic hydrogen. <i>Physical Review C</i> , 2011, 84, .	1.1	15
134	The proton radius puzzle. <i>Journal of Physics: Conference Series</i> , 2011, 312, 032002.	0.3	7
135	The size of the proton and the deuteron. <i>Journal of Physics: Conference Series</i> , 2011, 264, 012008.	0.3	14
136	Calculation of two-photon decay rates of hydrogen-like ions by using B-polynomials. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 245302.	0.7	13
137	Production and decay of chlorine ion excited species in an electron cyclotron resonance ion source plasma. <i>Physica Scripta</i> , 2011, T144, 014005.	1.2	4
138	Laser spectroscopy of the $(1s2s2p)3P^{\circ}$ level splitting in Be-like krypton. <i>Physica Scripta</i> , 2011, T144, 014013.	1.2	6
139	Differential energy measurement between He- and Li-like uranium intra-shell transitions. <i>Physica Scripta</i> , 2011, T144, 014003.	1.2	5
140	The Lamb shift in muonic hydrogen and the proton radius. <i>Physics Procedia</i> , 2011, 17, 10-19.	1.2	4
141	Pionic Hydrogen. <i>Physics Procedia</i> , 2011, 17, 69-76.	1.2	0
142	Is the proton radius a player in the redefinition of the International System of Units?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 4064-4077.	1.6	4
143	Pionic deuterium. <i>European Physical Journal A</i> , 2011, 47, 1.	1.0	49
144	Relativistic transition wavelenghts and probabilities for spectral lines of Ne II. <i>European Physical Journal D</i> , 2011, 63, 89-96.	0.6	14

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145	Precision studies of fundamental atomic structure with heaviest few-electron ions. <i>Hyperfine Interactions</i> , 2011, 199, 59-69.	0.2	6
146	Are MCDF calculations 101% correct in the super-heavy elements range?. <i>Theoretical Chemistry Accounts</i> , 2011, 129, 495-505.	0.5	49
147	M1, M2 and hyperfine-induced decay rates in Mg-like ions of Co, Ni and Cu measured at a heavy-ion storage ring. <i>New Journal of Physics</i> , 2011, 13, 023017.	1.2	12
148	Two-photon absorption of few-electron heavy ions. <i>Physical Review A</i> , 2011, 84, .	1.0	21
149	The size of the proton. , 2011, , 185-194.		0
150	Precision studies of fundamental atomic structure with heaviest few-electron ions. , 2011, , 59-69.		0
151	Muonic hydrogen spectroscopy: the proton radius puzzle. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
152	Relativistic K shell decay rates and fluorescence yields for Zn, Cd and Hg. <i>European Physical Journal D</i> , 2010, 56, 1-6.	0.6	6
153	The size of the proton. <i>Nature</i> , 2010, 466, 213-216.	13.7	1,113
154	Pionic Deuterium. <i>EPJ Web of Conferences</i> , 2010, 3, 03006.	0.1	2
155	Precision Determination of the $\langle \sigma \rangle$ Strength at Threshold. <i>Physical Review Letters</i> , 2010, 104, 142503.	1.0	17
156	X-ray-spectroscopy analysis of electron-cyclotron-resonance ion-source plasmas. <i>Physical Review A</i> , 2010, 82, .	1.0	17
157	Angular correlations in the two-photon decay of heliumlike heavy ions. <i>Physical Review A</i> , 2010, 81, .	1.0	24
158	Electronic temperatures, densities, and plasma x-ray emission of a 14.5 GHz electron-cyclotron resonance ion source. <i>Review of Scientific Instruments</i> , 2010, 81, 033303.	0.6	51
159	Finite basis set approach to the two-centre Dirac problem in Cassini coordinates. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 235207.	0.6	31
160	Analytical study of electrostatic ion beam traps. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2010, 13, .	1.8	4
161	Experimental Developments for the Lamb-Shift Investigation in Heavy Ions. , 2009, , .		1
162	Production and decay of sulfur excited species in an electron-cyclotron-resonance ion-source plasma. <i>Physical Review A</i> , 2009, 80, .	1.0	21

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163	Multiconfiguration Dirac-Hartree-Fock calculations of the electric dipole moment of radium induced by the nuclear Schiff moment. <i>Physical Review A</i> , 2009, 80, .	1.0	18
164	Complete-active-space multiconfiguration Dirac-Hartree-Fock calculations of hyperfine-structure constants of the gold atom. <i>Physical Review A</i> , 2009, 79, .	1.0	29
165	Line Shape of the $^1\text{H}(3p\ ^1s)$ Hyperfine Transitions. <i>Physical Review Letters</i> , 2009, 102, 023401.	2.9	19
166	Trapping of highly charged ions with an electrostatic ion trap. <i>Journal of Physics: Conference Series</i> , 2009, 163, 012110.	0.3	1
167	Hard X-ray spectroscopy of inner-shell K transitions generated by MeV electron propagation from intense picosecond laser focal spots. <i>High Energy Density Physics</i> , 2009, 5, 263-269.	0.4	16
168	Line shape of the $^1\text{H}(3p\ ^1s)$ transition. <i>Hyperfine Interactions</i> , 2009, 193, 61-67.	0.2	1
169	Pionic deuterium. <i>Hyperfine Interactions</i> , 2009, 193, 47-52.	0.2	2
170	X-ray spectroscopy of highly-charged heavy ions at FAIR. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2009, 267, 248-250.	0.6	37
171	Crystal optics for hard-X-ray spectroscopy of highly charged ions. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 736-743.	1.5	14
172	Analysis of X-ray spectra emitted from laser-produced plasmas of uranium. <i>European Physical Journal D</i> , 2009, 51, 179-184.	0.6	2
173	Advances in X-Ray and Inner Shell Processes. <i>European Physical Journal: Special Topics</i> , 2009, 169, 1-3.	1.2	0
174	Photon polarization in the two-photon decay of heavy hydrogen-like ions. <i>European Physical Journal: Special Topics</i> , 2009, 169, 29-34.	1.2	8
175	X-ray measurements at high-power lasers. <i>European Physical Journal: Special Topics</i> , 2009, 169, 243-248.	1.2	6
176	Resonance effects on the two-photon emission from hydrogenic ions. <i>Physical Review A</i> , 2009, 79, .	1.0	27
177	Negative-continuum effects on the two-photon decay rates of hydrogenlike ions. <i>Physical Review A</i> , 2009, 80, .	1.0	17
178	Thin-Disk Yb:YAG Oscillator-Amplifier Laser, ASE, and Effective Yb:YAG Lifetime. <i>IEEE Journal of Quantum Electronics</i> , 2009, 45, 993-1005.	1.0	92
179	Observation of the $2p\ ^3/2\ ^1s\ ^2s\ ^1/2$ intra-shell transition in He-like uranium. <i>Europhysics Letters</i> , 2009, 87, 63001.	0.7	29
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