

# John Costello

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

170 papers	4,611 citations	32 h-index	63 g-index
183 ext. papers	5,048 ext. citations	3.7 avg, IF	4.56 L-index

#	Paper	IF	Citations
170	Laser double optical resonance excitation-ionization of Mo with optogalvanic detection. <i>Physica Scripta</i> , <b>2022</b> , 97, 024004	2.6	0
169	Line plasma versus point plasma VUV LIBS for the detection of carbon in steel: a comparative study. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2022</b> , 37, 883-889	3.7	1
168	Ionization & dissociation of methane in ultrashort 400-fm and 800-fm laser fields. <i>Chemical Physics Letters</i> , <b>2021</b> , 775, 138687	2.5	0
167	Clocking Auger electrons. <i>Nature Physics</i> , <b>2021</b> , 17, 512-518	16.2	11
166	Near-threshold two-photon double ionization of Kr in the vacuum ultraviolet. <i>Physical Review A</i> , <b>2021</b> , 103,	2.6	1
165	Reply to comment on "The 5d -6p photoabsorption spectra of Pb II and Bi III: evidence of excited states" by A. N. Ryabtsev. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2021</b> , 54, 068001	1.3	
164	The Effect of Confinement Angle on Self-Colliding Aluminium Laser Plasmas Using Spectrally Resolved Fast Imaging. <i>Materials</i> , <b>2020</b> , 13,	3.5	1
163	The 5d -6p EUV photoabsorption spectra of Pb II and Bi III: evidence of excited states. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2020</b> , 53, 115001	1.3	4
162	Oxygen K-shell photoabsorption spectra of photoionized CO <sub>2</sub> plasmas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2020</b> , 53, 105701	1.3	1
161	Recombination contributions to the anisotropic emission from a laser produced copper plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2020</b> , 53, 065701	1.3	2
160	Soft x-ray photoabsorption spectra of photoionized CH <sub>4</sub> and CO <sub>2</sub> plasmas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2020</b> , 53, 045701	1.3	2
159	The 5d-6p VUV Photoabsorption Spectrum of Bi <sup>+</sup> . <i>Atoms</i> , <b>2020</b> , 8, 55	2.1	1
158	Two-color XUV+NIR femtosecond photoionization of neon in the near-threshold region. <i>New Journal of Physics</i> , <b>2019</b> , 21, 063034	2.9	5
157	Space integrated, time resolved studies of the formation of aluminium (II) oxide in laser produced plasmas. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1289, 012009	0.3	
156	Colliding laser plasmas formed in air. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1289, 012032	0.3	
155	Ion energy distribution from colliding laser plasmas. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1289, 012033	0.3	
154	A compact Fourier transform spectrometer with no moving parts for laser induced breakdown spectroscopy. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1289, 012047	0.3	

153	Aluminium thin films depth profiling using LIBS. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1289, 012043.	3.3	
152	X-rays put molecules into a spin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 4772-4773	11.5	1
151	Deposition of nanocomposite CuTiO <sub>2</sub> using heterogeneous colliding plasmas. <i>Applied Physics B: Lasers and Optics</i> , <b>2018</b> , 124, 1	1.9	0
150	Femtosecond profiling of shaped x-ray pulses. <i>New Journal of Physics</i> , <b>2018</b> , 20, 033008	2.9	12
149	Time resolved anisotropic emission from an aluminium laser produced plasma. <i>Physics of Plasmas</i> , <b>2017</b> , 24, 013105	2.1	6
148	Ultrashort Free-Electron Laser X-ray Pulses. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 915	2.6	23
147	Two- and Three-Photon Partial Photoionization Cross Sections of Li <sup>+</sup> , Ne <sup>8+</sup> and Ar <sup>16+</sup> under XUV Radiation. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 294	2.6	2
146	Comparison of the polarisation of line and continuum emission in a laser produced plasma. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 810, 012063	0.3	1
145	Optical diagnostics of laser-produced aluminium plasmas under water. <i>Applied Physics B: Lasers and Optics</i> , <b>2017</b> , 123, 1	1.9	10
144	Enhanced two photon absorption cross section and optical nonlinearity of a quasi-octupolar molecule. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2016</b> , 314, 60-65	4.7	11
143	Two-electron processes in multiple ionization under strong soft-x-ray radiation. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	7
142	Angular distribution and circular dichroism in the two-colour XUV+NIR above-threshold ionization of helium. <i>Journal of Modern Optics</i> , <b>2016</b> , 63, 367-382	1.1	14
141	The Laser-assisted photoelectric effect of He, Ne, Ar and Xe in intense extreme ultraviolet and infrared laser fields. <i>Journal of Modern Optics</i> , <b>2016</b> , 63, 358-366	1.1	5
140	Heterogeneous (Cu-Ti) colliding plasma dynamics. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 103516	2.1	4
139	A simple, low cost interferometric autocorrelator with no moving parts. <i>Measurement Science and Technology</i> , <b>2016</b> , 27, 117003	2	0
138	Angle resolved photoelectron spectroscopy of two-color XUV+NIR ionization with polarization control. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2016</b> , 49, 165003	1.3	13
137	Detection limits of organic compounds achievable with intense, short-pulse lasers. <i>Analyst, The</i> , <b>2015</b> , 140, 4270-6	5	5
136	Femtosecond all-optical synchronization of an X-ray free-electron laser. <i>Nature Communications</i> , <b>2015</b> , 6, 5938	17.4	127

135	Sensitivity of nonlinear photoionization to resonance substructure in collective excitation. <i>Nature Communications</i> , <b>2015</b> , 6, 6799	17.4	25
134	Photoabsorption studies of some closed-shell ions in the La isonuclear sequence. <i>Physical Review A</i> , <b>2015</b> , 91,	2.6	1
133	Features in the ion emission of Cu, Al, and C plasmas produced by ultrafast laser ablation. <i>Physics of Plasmas</i> , <b>2015</b> , 22, 123112	2.1	8
132	Target geometrical effects on the stagnation layer formed by colliding a pair of laser produced copper plasmas. <i>Physics of Plasmas</i> , <b>2015</b> , 22, 093506	2.1	8
131	On the Conductance of the Gas Discharge Plasma at Space Anisotropic Excitation. <i>Contributions To Plasma Physics</i> , <b>2015</b> , 55, 538-544	1.4	
130	Determining the polarization state of an extreme ultraviolet free-electron laser beam using atomic circular dichroism. <i>Nature Communications</i> , <b>2014</b> , 5, 3648	17.4	57
129	Double-pulse laser induced breakdown spectroscopy with ambient gas in the vacuum ultraviolet: Optimization of parameters for detection of carbon and sulfur in steel. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2014</b> , 101, 106-113	3.1	25
128	The Effect of Wedge Angle on the Evolution of a Stagnation Layer in a Colliding Plasma Experiment. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 548, 012036	0.3	5
127	Interpenetration and stagnation in colliding laser plasmas. <i>Physics of Plasmas</i> , <b>2014</b> , 21, 013502	2.1	28
126	Influence of localized surface plasmons on Pauli blocking and optical limiting in graphene under femtosecond pumping. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 073101	2.5	19
125	Ion flux enhancements and oscillations in spatially confined laser produced aluminum plasmas. <i>Physics of Plasmas</i> , <b>2014</b> , 21, 093113	2.1	16
124	Measuring the temporal structure of few-femtosecond free-electron laser X-ray pulses directly in the time domain. <i>Nature Photonics</i> , <b>2014</b> , 8, 950-957	33.9	74
123	Fragmentation of neutral amino acids and small peptides by intense, femtosecond laser pulses. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2013</b> , 24, 1366-75	3.5	9
122	Inter-pulse delay optimization in dual-pulse laser induced breakdown vacuum ultraviolet spectroscopy of a steel sample in ambient gases at low pressure. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2013</b> , 86, 66-74	3.1	17
121	Dynamics of colliding aluminium plasmas produced by laser ablation. <i>Applied Surface Science</i> , <b>2013</b> , 272, 69-75	6.7	17
120	Atomic mass dependent electrostatic diagnostics of colliding laser plasma plumes. <i>Physics of Plasmas</i> , <b>2013</b> , 20, 093106	2.1	4
119	LIAD-fs scheme for studies of ultrafast laser interactions with gas phase biomolecules. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 6289-97	3.6	34
118	Atomic photoionization in combined intense XUV free-electron and infrared laser fields. <i>New Journal of Physics</i> , <b>2012</b> , 14, 043008	2.9	32

117	Angle-resolved electron spectroscopy of laser-assisted Auger decay induced by a few-femtosecond x-ray pulse. <i>Physical Review Letters</i> , <b>2012</b> , 108, 063007	7.4	40
116	Ultrafast X-ray pulse characterization at free-electron lasers. <i>Nature Photonics</i> , <b>2012</b> , 6, 852-857	33.9	148
115	Controlling core hole relaxation dynamics via intense optical fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2012</b> , 45, 141001	1.3	17
114	Dichroism in the above-threshold two-colour photoionization of singly charged neon. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2012</b> , 45, 085601	1.3	11
113	Enhanced shock wave detection sensitivity for laser-produced plasmas in low pressure ambient gases using interferometry. <i>Measurement Science and Technology</i> , <b>2012</b> , 23, 125204	2	18
112	Modification of Auger decay of Neon under strong X-ray radiation. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 388, 032070	0.3	
111	Above-threshold two-colour ionization signal of singly charged neon. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 388, 032053	0.3	
110	Ionisation and Fragmentation of Small Biomolecules with Femtosecond Laser Pulses. <i>Springer Proceedings in Physics</i> , <b>2012</b> , 309-312	0.2	1
109	Femtosecond x-ray pulse length characterization at the Linac Coherent Light Source free-electron laser. <i>New Journal of Physics</i> , <b>2011</b> , 13, 093024	2.9	91
108	Charged particle dynamics in a high-pressure laser ion source. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 135204	3	1
107	Ion emission in collisions between two laser-produced plasmas. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 355203	3	17
106	Theory of ac Stark splitting in core-resonant Auger decay in strong x-ray fields. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	24
105	Charge resolved electrostatic diagnostic of colliding copper laser plasma plumes. <i>Physics of Plasmas</i> , <b>2011</b> , 18, 103104	2.1	19
104	Characterization of a high-pressure laser ion source with dc and pulsed extraction. <i>Plasma Sources Science and Technology</i> , <b>2010</b> , 19, 065007	3.5	5
103	Two-photon inner-shell ionization in the extreme ultraviolet. <i>Physical Review Letters</i> , <b>2010</b> , 105, 013001	7.4	32
102	Two-photon excitation and relaxation of the 3d-4d resonance in atomic Kr. <i>Physical Review Letters</i> , <b>2010</b> , 104, 213001	7.4	38
101	Non-linear processes in the interaction of atoms and molecules with intense EUV and X-ray fields from SASE free electron lasers (FELs). <i>Journal of Modern Optics</i> , <b>2010</b> , 57, 1015-1040	1.1	99
100	Emission characteristics and dynamics of the stagnation layer in colliding laser produced plasmas. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 024904	2.5	31

99	The DCU laser ion source. <i>Review of Scientific Instruments</i> , <b>2010</b> , 81, 043305	1.7	30
98	Perveance and ion bunch structure from a compact, high-pressure laser ion source. <i>Physics of Plasmas</i> , <b>2010</b> , 17, 123115	2.1	3
97	Two-colour experiments in the gas phase. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2010</b> , 43, 194006	1.3	69
96	Stagnation layers at the collision front between two laser-induced plasmas: A study using time-resolved imaging and spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2010</b> , 65, 627-635	3.1	42
95	Two-color experiments in the gas phase at FLASH. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2010</b> , 181, 111-115	1.7	9
94	Time-resolved pump-probe experiments beyond the jitter limitations at FLASH. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 144102	3.4	56
93	Electron and ion stagnation at the collision front between two laser produced plasmas. <i>Journal of Physics D: Applied Physics</i> , <b>2009</b> , 42, 055211	3	28
92	Growth and field emission properties of ZnO nanostructures deposited by a novel pulsed laser ablation source on silicon substrates. <i>Ultramicroscopy</i> , <b>2009</b> , 109, 399-402	3.1	5
91	Time resolved Nomarski interferometry of laser produced plasma plumes. <i>Applied Surface Science</i> , <b>2009</b> , 255, 5167-5171	6.7	11
90	Experiments at FLASH. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2009</b> , 601, 108-122	1.2	81
89	Particle diagnostics of a ZnO laser ablation plume for nanostructured material deposition. <i>Applied Surface Science</i> , <b>2009</b> , 255, 5338-5341	6.7	7
88	Atomic photoionization in weak and strong two-color radiation fields. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 194, 032035	0.3	
87	The 5d photoabsorption spectra of Pb III and Bi IV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2008</b> , 41, 205001	1.3	10
86	Polarization control in two-color above-threshold ionization of atomic helium. <i>Physical Review Letters</i> , <b>2008</b> , 101, 193002	7.4	69
85	An experiment for two-color photoionization using high intensity extreme-UV free electron and near-IR laser pulses. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2007</b> , 583, 516-525	1.2	38
84	Theoretical study of photoionization of the isoelectronic sequence Rb <sup>+</sup> , Sr <sup>2+</sup> , and Y <sup>3+</sup> . <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2007</b> , 102, 149-158	0.7	4
83	Operation of a free-electron laser from the extreme ultraviolet to the water window. <i>Nature Photonics</i> , <b>2007</b> , 1, 336-342	33.9	1207
82	Absolute photoionization cross-section measurements of the Kr I isoelectronic sequence. <i>Physical Review A</i> , <b>2007</b> , 75,	2.6	7

81	Single-shot characterization of independent femtosecond extreme ultraviolet free electron and infrared laser pulses. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 131108	3.4	58
80	3p photoabsorption spectra of Mn <sup>2+</sup> and Mn <sup>3+</sup> . <i>Physical Review A</i> , <b>2007</b> , 75,	2.6	1
79	Photoionization experiments with the ultrafast EUV laser 'FLASH' [free electron laser in Hamburg. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 88, 012057	0.3	14
78	Study of a colliding laser-produced plasma by analysis of time- and space-resolved image spectra. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 033302	2.5	46
77	4d photoabsorption spectra of Indium (In III-IV). <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2006</b> , 39, 773-782	1.3	10
76	Plasma parametrization by analysis of time-resolved laser plasma image spectra. <i>Measurement Science and Technology</i> , <b>2006</b> , 17, 670-674	2	22
75	Two-color photoionization in xuv free-electron and visible laser fields. <i>Physical Review A</i> , <b>2006</b> , 74,	2.6	81
74	Spectroscopic characterization of vacuum ultraviolet free electron laser pulses. <i>Optics Letters</i> , <b>2006</b> , 31, 1750-2	3	45
73	Photoabsorption spectra of a laser produced Sn plasma <b>2005</b> ,		1
72	Instrumental contributions to the time-resolved optogalvanic signal in a hollow cathode discharge. <i>Journal Physics D: Applied Physics</i> , <b>2005</b> , 38, 2237-2243	3	5
71	EUV photoabsorption spectra of Cd II and Cd III. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2005</b> , 38, 83-88	1.3	9
70	EUV photoabsorption of laser produced tellurium plasmas: Te III-IV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2005</b> , 38, 2895-2909	1.3	6
69	On the 3p-subshell photoabsorption spectra of iron-group ions: the case of Mn <sup>2+</sup> . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2005</b> , 38, L1-L8	1.3	15
68	4d photoabsorption spectra of Sn II and Sn IV in the 3085 eV region. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2005</b> , 38, 4247-4257	1.3	10
67	Theoretical and experimental study of the extreme ultraviolet photoabsorption spectrum of triply ionized yttrium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2004</b> , 37, 4663-4680	1.3	5
66	Evidence for rescattering in intense, femtosecond laser interactions with a negative ion. <i>Physical Review Letters</i> , <b>2004</b> , 93, 223001	7.4	23
65	Tracking ground state Ba <sup>+</sup> ions in an expanding laser-plasma plume using time-resolved vacuum ultraviolet photoionization imaging. <i>Laser and Particle Beams</i> , <b>2004</b> , 22, 207-213	0.9	1
64	VUV/EUV ionising radiation and atoms and ions: dual laser plasma investigations. <i>Radiation Physics and Chemistry</i> , <b>2004</b> , 70, 291-321	2.5	30



63	VUV and soft x-ray emission from pre-plasmas irradiated with intense picosecond and femtosecond pulses <b>2003</b> ,		3
62	Double ionization of atomic negative ions in an intense laser field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2003</b> , 36, L235-L240	1.3	8
61	The 4p-subshell photoabsorption spectrum of singly ionized molybdenum. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2003</b> , 36, 2611-2628	1.3	4
60	Trends in autoionization of Rydberg states converging to the 4s threshold in the KrBb+Br2+ isoelectronic sequence: Theory and experiment. <i>Physical Review A</i> , <b>2003</b> , 67,	2.6	17
59	Vacuum-ultraviolet photoabsorption imaging system for laser plasma plume diagnostics. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 2992-2998	1.7	8
58	Optimization of the Emission Characteristics of Laser-Produced Steel Plasmas in the Vacuum Ultraviolet: Significant Improvements in Carbon Detection Limits. <i>Applied Spectroscopy</i> , <b>2002</b> , 56, 970-983	3.1	62
57	Vacuum-ultraviolet absorption spectrum of the Rb+ion in a laser-generated plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2001</b> , 34, L651-L656	1.3	5
56	Wave-function collapse with increasing ionization: 4d photoabsorption of Cs through Cs4+.	2.6	27
55	Comparison between Intensified Photodiode Array and Charge-Coupled Device Detectors in the Vacuum Ultraviolet for Laser-Induced Plasma Spectroscopy. <i>Applied Spectroscopy</i> , <b>2001</b> , 55, 1430-1433	3.1	9
54	Comparative study of the expansion dynamics of Ga+ ions in the laser ablation of Ga and GaN using time-resolved extreme UV absorption spectroscopy. <i>Applied Surface Science</i> , <b>2000</b> , 168, 150-153	6.7	5
53	The evolution of 4d photoabsorption in Sb with increasing ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2000</b> , 33, 1383-1401	1.3	15
52	Vacuum-UV absorption spectrum of a laser-produced chromium plasma: 3p-subshell photoabsorption by Cr2+ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2000</b> , 33, 5077-5090	1.3	20
51	The photoabsorption spectrum of laser-generated Li+in the 60-190 eV photon energy range. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2000</b> , 33, 5203-5214	1.3	9
50	Application of a picosecond laser plasma continuum light source to a dual-laser plasma photoabsorption experiment. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2000</b> , 33, 1159-1168	1.3	8
49	Time-integrated laser-induced plasma spectroscopy in the vacuum ultraviolet for the quantitative elemental characterization of steel alloys. <i>Journal Physics D: Applied Physics</i> , <b>2000</b> , 33, 2252-2262	3	35
48	Photoabsorption and photoion spectroscopy of atomic uranium in the region of 6p and 5d excitations. <i>Physical Review A</i> , <b>2000</b> , 61,	2.6	8
47	Vacuum-ultraviolet resonant photoabsorption imaging of laser produced plasmas. <i>Journal of Applied Physics</i> , <b>2000</b> , 88, 4953-4960	2.5	4
46	Metastable state contributions to the measured 3p photoabsorption spectrum of Cr+ions in a laser-produced plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1999</b> , 32, L583-L591	1.3	46



45	Discrete structure in the 4d photoabsorption spectrum of antimony and its ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1999</b> , 32, 4859-4876	1.3	46
44	Discrete structure in the 4d photoabsorption spectrum of tellurium and its ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1999</b> , 32, 3905-3922	1.3	25
43	Observation of a 6p-6d giant dipole resonance in the VUV photoabsorption spectrum of a laser-produced thorium plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1999</b> , 32, L285-L290	1.3	5
42	Anomalous Behavior of the Near-Threshold Photoionization Cross Section of the Neon Isoelectronic Sequence: A Combined Experimental and Theoretical Study. <i>Physical Review Letters</i> , <b>1999</b> , 83, 2151-2154	7.4	26
41	New dual laser plasma investigations of inner-shell excitations. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>1999</b> , 101-103, 161-166	1.7	7
40	Absorption spectroscopy of an expanding laser produced lithium plasma in the extreme ultraviolet using the Dual Laser Plasma technique. <i>Applied Surface Science</i> , <b>1998</b> , 127-129, 686-691	6.7	14
39	Extreme-UV photoabsorption spectrum of a laser-produced silicon plasma: evidence for metastable Si ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1998</b> , 31, L547-L552	1.3	16
38	Determination of Ca 2p ionization thresholds by high-resolution photoelectron spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1998</b> , 31, L289-L296	1.3	4
37	Measurement and analysis of the photoabsorption spectra of laser-produced Al and in the region of 2p-subshell excitation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1998</b> , 31, 677-688	1.3	9
36	Dramatic Changes in the 3s Autoionization Process at the Beginning of the Ar I Sequence. <i>Physical Review Letters</i> , <b>1997</b> , 78, 3082-3085	7.4	29
35	Short-pulse, extreme-ultraviolet continuum emission from a table-top laser plasma light source. <i>Applied Physics Letters</i> , <b>1997</b> , 70, 1497-1499	3.4	9
34	Measurement of the XUV photoabsorption spectra of atomic zinc and its ions :n= 1, 2, and 3 in the region of 3p-subshell excitation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1997</b> , 30, 4801-4812	1.3	5
33	Resonant photoionization of atomic lithium in the region of the first and second inner-shell thresholds. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1996</b> , 29, L181-L191	1.3	24
32	New experiments in photoabsorption studies of singly and multiply charged ions. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>1996</b> , 79, 283-288	1.7	11
31	Measurements of extreme UV yields from Nd-YAG plasmas using a multilayer monochromator. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>1996</b> , 80, 295-298	1.7	1
30	Trends in 4d-subshell photoabsorption along the iodine isonuclear sequence: I, I <sup>+</sup> , and I <sup>2+</sup> . <i>Physical Review A</i> , <b>1996</b> , 53, 3211-3226	2.6	70
29	4f(1P) giant dipole resonance in La <sup>3+</sup> . <i>Physical Review Letters</i> , <b>1995</b> , 74, 2188-2191	7.4	36
28	High-resolution photoion yield measurements of 'hollow' atomic lithium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1995</b> , 28, L161-L168	1.3	70

27	2p-subshell photoabsorption by Si <sup>2+</sup> ions in a laser-produced plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1995</b> , 28, 1715-1722	1.3	21
26	The 3p photoabsorption spectra of K II and Ca III. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1995</b> , 28, 4771-4779	1.3	9
25	XUV photoabsorption of laser generated Au vapour. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1995</b> , 28, 181-190	1.3	11
24	Investigation of Na 2p <sub>5/2</sub> 3p resonances using angular resolved photoelectron spectroscopy of laser-aligned sodium atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1994</b> , 27, 1341-1349	1.3	23
23	Even-parity autoionizing states in the extreme-ultraviolet photoabsorption spectra of Mg, Al <sup>+</sup> , and Si <sup>2+</sup> . <i>Physical Review A</i> , <b>1994</b> , 49, 755-761	2.6	27
22	First observation of a photon-induced triply excited state in atomic lithium. <i>Physical Review Letters</i> , <b>1994</b> , 72, 2359-2362	7.4	103
21	The 1s absorption spectrum of neutral and singly ionized boron. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1992</b> , 25, 3963-3970	1.3	11
20	The 2p-subshell photoabsorption spectrum of Al <sup>+</sup> in a laser-produced plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1992</b> , 25, 5055-5068	1.3	20
19	Research and development topics in Analytical Chemistry. <i>Analytical Proceedings</i> , <b>1992</b> , 29, 45		3
18	Applications of laser plasmas in XUV photoabsorption spectroscopy <b>1991</b> , 1503, 406		
17	XUV photoabsorption of laser-generated W and Pt vapours. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1991</b> , 24, 5063-5069	1.3	33
16	3p photoabsorption of free and bound Cr, Cr <sup>+</sup> , Mn, and Mn <sup>+</sup> . <i>Physical Review A</i> , <b>1991</b> , 43, 1441-1450	2.6	70
15	X-UV Absorption Spectroscopy with Laser-Produced Plasmas: A Review. <i>Physica Scripta</i> , <b>1991</b> , T34, 77-92.	2.6	104
14	Identification of 4s <sub>3/2</sub> 4p transitions in Ru x, Ru xi, Rh xi, Rh xii, Pd xii, and Pd xiii. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1991</b> , 8, 1369	1.7	2
13	4s to 4p transitions in As I like Ru XII, Rh XIII and Pd XIV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1990</b> , 23, L575-L581	1.3	4
12	4s-4p transitions in Ge-like Ru and Rh. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1990</b> , 23, L239-L245	1.3	11
11	Marked differences in the 3p photoabsorption between the Cr and Mn <sup>+</sup> isoelectronic pair: Reasons for the unique structure observed in Cr. <i>Physical Review A</i> , <b>1989</b> , 39, 6074-6077	2.6	47
10	4s <sub>2</sub> 4p <sub>4</sub> -4s <sub>2</sub> 4p <sub>3</sub> 5s transitions in Ru XI, Rh XII and Pd XIII. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1988</b> , 21, 2399-2406	1.3	2

9	4s24p2-4s24p5s transitions in Ru XIII, Rh XIV and Pd XV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1988</b> , 21, L195-L199	1.3	18
8	ULTRAVIOLET ABSORPTION OF REFRACTORY ELEMENTS BY A DUAL LASER PLASMA METHOD. <i>Journal De Physique Colloque</i> , <b>1988</b> , 49, C1-243-C1-246		6
7	The XUV photoabsorption spectrum of uranium vapour. <i>Journal of Physics B: Atomic and Molecular Physics</i> , <b>1987</b> , 20, L201-L205		10
6	XUV emission from thorium plasmas; the identification of Th XI and Th XIII. <i>Journal of Physics B: Atomic and Molecular Physics</i> , <b>1986</b> , 19, L651-L656		7
5	4p-5s Transitions in In XIII, In XIV and In XV. <i>Physica Scripta</i> , <b>1986</b> , 33, 226-228	2.6	2
4	Giant-dipole-resonance absorption in atomic thorium by a novel two-laser technique. <i>Physical Review Letters</i> , <b>1986</b> , 57, 1581-1583	7.4	32
3	4p-5s transitions in AgXI to AgXIV in a laser-produced plasma. <i>Journal of Physics B: Atomic and Molecular Physics</i> , <b>1984</b> , 17, 345-353		12
2	4p-5s transitions in Cd XII, Cd XIII and Cd XIV. <i>Journal of Physics B: Atomic and Molecular Physics</i> , <b>1984</b> , 17, 4477-4483		6
1	XUV emission from uranium plasmas; the identification of U XIII and U XV. <i>Journal of Physics B: Atomic and Molecular Physics</i> , <b>1984</b> , 17, 2169-2176		10