

John Costello

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9420829/publications.pdf>

Version: 2024-02-01

183
papers

5,323
citations

109321

35
h-index

95266

68
g-index

183
all docs

183
docs citations

183
times ranked

3247
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser double optical resonance excitation-ionization of Mo with optogalvanic detection. <i>Physica Scripta</i> , 2022, 97, 024004.	2.5	1
2	Line plasma versus point plasma VUV LIBS for the detection of carbon in steel: a comparative study. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 883-889.	3.0	5
3	Clocking Auger electrons. <i>Nature Physics</i> , 2021, 17, 512-518.	16.7	25
4	Near-threshold two-photon double ionization of Kr in the vacuum ultraviolet. <i>Physical Review A</i> , 2021, 103, .	2.5	3
5	Reply to comment on "The 5d $\hat{1}^{\prime}$ 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> , 2021, 54, 068001.	1.5	0
6	Ionization and dissociation of methane in ultrashort 400 nm and 800 nm laser fields. <i>Chemical Physics Letters</i> , 2021, 775, 138687.	2.6	3
7	Special Issue "Interaction of Ionizing Photons with Atomic and Molecular Ions". <i>Atoms</i> , 2021, 9, 111.	1.6	0
8	Recombination contributions to the anisotropic emission from a laser produced copper plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 065701.	1.5	9
9	Soft x-ray photoabsorption spectra of photoionized CH ₄ and CO ₂ plasmas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 045701.	1.5	2
10	The 5d-6p VUV Photoabsorption Spectrum of Bi ⁺ . <i>Atoms</i> , 2020, 8, 55.	1.6	2
11	The Effect of Confinement Angle on Self-Colliding Aluminium Laser Plasmas Using Spectrally Resolved Fast Imaging. <i>Materials</i> , 2020, 13, 5489.	2.9	1
12	The 5d $\hat{1}^{\prime}$ 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> , 2020, 53, 115001.	1.5	5
13	Oxygen K-shell photoabsorption spectra of photoionized CO ₂ plasmas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 105701.	1.5	1
14	Two-color XUV+NIR femtosecond photoionization of neon in the near-threshold region. <i>New Journal of Physics</i> , 2019, 21, 063034.	2.9	8
15	Space integrated, time resolved studies of the formation of aluminium (II) oxide in laser produced plasmas. <i>Journal of Physics: Conference Series</i> , 2019, 1289, 012009.	0.4	0
16	Colliding laser plasmas formed in air. <i>Journal of Physics: Conference Series</i> , 2019, 1289, 012032.	0.4	0
17	Ion energy distribution from colliding laser plasmas. <i>Journal of Physics: Conference Series</i> , 2019, 1289, 012033.	0.4	1
18	A compact Fourier transform spectrometer with no moving parts for laser induced breakdown spectroscopy. <i>Journal of Physics: Conference Series</i> , 2019, 1289, 012047.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Aluminium thin films depth profiling using LIBS. Journal of Physics: Conference Series, 2019, 1289, 012043.	0.4	0
20	X-rays put molecules into a spin. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4772-4773.	7.1	1
21	A Comparative Study on Ionization-Induced Dissociation of Methane, Irradiated by 800 nm and 400 nm Laser Fields. , 2019, , .		0
22	Deposition of nanocomposite Cu-TiO ₂ using heterogeneous colliding plasmas. Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	5
23	Femtosecond profiling of shaped x-ray pulses. New Journal of Physics, 2018, 20, 033008.	2.9	15
24	Time-integrated and time-resolved VUV LIBS: a comparative study. , 2018, , .		0
25	Time resolved anisotropic emission from an aluminium laser produced plasma. Physics of Plasmas, 2017, 24, .	1.9	12
26	Comparison of the polarisation of line and continuum emission in a laser produced plasma. Journal of Physics: Conference Series, 2017, 810, 012063.	0.4	1
27	Optical diagnostics of laser-produced aluminium plasmas under water. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	10
28	Ultrashort Free-Electron Laser X-ray Pulses. Applied Sciences (Switzerland), 2017, 7, 915.	2.5	30
29	Two- and Three-Photon Partial Photoionization Cross Sections of Li ⁺ , Ne ⁸⁺ and Ar ¹⁶⁺ under XUV Radiation. Applied Sciences (Switzerland), 2017, 7, 294.	2.5	3
30	Heterogeneous (Cu-Ti) colliding plasma dynamics. Physics of Plasmas, 2016, 23, .	1.9	8
31	A simple, low cost interferometric autocorrelator with no moving parts. Measurement Science and Technology, 2016, 27, 117003.	2.6	1
32	Angle resolved photoelectron spectroscopy of two-color XUV+NIR ionization with polarization control. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 165003.	1.5	13
33	Two-electron processes in multiple ionization under strong soft-x-ray radiation. Physical Review A, 2016, 94, .	2.5	9
34	Short wavelength free electron lasers. Journal of Modern Optics, 2016, 63, 285-287.	1.3	1
35	Angular distribution and circular dichroism in the two-colour XUV+NIR above-threshold ionization of helium. Journal of Modern Optics, 2016, 63, 367-382.	1.3	14
36	The Laser-assisted photoelectric effect of He, Ne, Ar and Xe in intense extreme ultraviolet and infrared laser fields. Journal of Modern Optics, 2016, 63, 358-366.	1.3	5

#	ARTICLE	IF	CITATIONS
37	Enhanced two photon absorption cross section and optical nonlinearity of a quasi-octupolar molecule. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 314, 60-65.	3.9	13
38	Photoabsorption studies of some closed-shell ions in the La isonuclear sequence. <i>Physical Review A</i> , 2015, 91, .	2.5	1
39	Features in the ion emission of Cu, Al, and C plasmas produced by ultrafast laser ablation. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	13
40	Target geometrical effects on the stagnation layer formed by colliding a pair of laser produced copper plasmas. <i>Physics of Plasmas</i> , 2015, 22, 093506.	1.9	17
41	On the Conductance of the Gas Discharge Plasma at Space Anisotropic Excitation. <i>Contributions To Plasma Physics</i> , 2015, 55, 538-544.	1.1	0
42	Localized surface plasmon effects in ZnO sandwiched gold nanoparticles under fs pumping. , 2015, , .		0
43	Detection limits of organic compounds achievable with intense, short-pulse lasers. <i>Analyst, The</i> , 2015, 140, 4270-4276.	3.5	5
44	Femtosecond all-optical synchronization of an X-ray free-electron laser. <i>Nature Communications</i> , 2015, 6, 5938.	12.8	171
45	Sensitivity of nonlinear photoionization to resonance substructure in collective excitation. <i>Nature Communications</i> , 2015, 6, 6799.	12.8	31
46	Sub-Femtosecond Free-Electron Laser Pulses. , 2015, , .		0
47	Interpenetration and stagnation in colliding laser plasmas. <i>Physics of Plasmas</i> , 2014, 21, 013502.	1.9	33
48	Influence of localized surface plasmons on Pauli blocking and optical limiting in graphene under femtosecond pumping. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	25
49	Ion flux enhancements and oscillations in spatially confined laser produced aluminum plasmas. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	19
50	Measuring the temporal structure of few-femtosecond free-electron laser X-ray pulses directly in the time domain. <i>Nature Photonics</i> , 2014, 8, 950-957.	31.4	86
51	Determining the polarization state of an extreme ultraviolet free-electron laser beam using atomic circular dichroism. <i>Nature Communications</i> , 2014, 5, 3648.	12.8	69
52	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> , 2014, 101, 106-113.	2.9	27
53	The Effect of Wedge Angle on the Evolution of a Stagnation Layer in a Colliding Plasma Experiment. <i>Journal of Physics: Conference Series</i> , 2014, 548, 012036.	0.4	9
54	Fragmentation of Neutral Amino Acids and Small Peptides by Intense, Femtosecond Laser Pulses. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1366-1375.	2.8	9

#	ARTICLE	IF	CITATIONS
55	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> , 2013, 86, 66-74.	2.9	19
56	Dynamics of colliding aluminium plasmas produced by laser ablation. <i>Applied Surface Science</i> , 2013, 272, 69-75.	6.1	22
57	Atomic mass dependent electrostatic diagnostics of colliding laser plasma plumes. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	7
58	Controlling core hole relaxation dynamics via intense optical fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 141001.	1.5	18
59	Dichroism in the above-threshold two-colour photoionization of singly charged neon. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 085601.	1.5	14
60	Enhanced shock wave detection sensitivity for laser-produced plasmas in low pressure ambient gases using interferometry. <i>Measurement Science and Technology</i> , 2012, 23, 125204.	2.6	23
61	Modification of Auger decay of Neon under strong X-ray radiation. <i>Journal of Physics: Conference Series</i> , 2012, 388, 032070.	0.4	0
62	Above-threshold two-colour ionization signal of singly charged neon. <i>Journal of Physics: Conference Series</i> , 2012, 388, 032053.	0.4	0
63	LIAD-fs scheme for studies of ultrafast laser interactions with gas phase biomolecules. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 6289.	2.8	45
64	Atomic photoionization in combined intense XUV free-electron and infrared laser fields. <i>New Journal of Physics</i> , 2012, 14, 043008.	2.9	36
65	Angle-Resolved Electron Spectroscopy of Laser-Assisted Auger Decay Induced by a Few-Femtosecond X-Ray Pulse. <i>Physical Review Letters</i> , 2012, 108, 063007.	7.8	46
66	Ultrafast X-ray pulse characterization at free-electron lasers. <i>Nature Photonics</i> , 2012, 6, 852-857.	31.4	189
67	Ionisation and Fragmentation of Small Biomolecules with Femtosecond Laser Pulses. <i>Springer Proceedings in Physics</i> , 2012, , 309-312.	0.2	1
68	Higher harmonics with plasmonics. <i>Nature Photonics</i> , 2011, 5, 646-647.	31.4	2
69	Femtosecond x-ray pulse length characterization at the Linac Coherent Light Source free-electron laser. <i>New Journal of Physics</i> , 2011, 13, 093024.	2.9	99
70	Charged particle dynamics in a "high-pressure" laser ion source. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 135204.	2.8	1
71	Ion emission in collisions between two laser-produced plasmas. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 355203.	2.8	18
72	Theory of ac Stark splitting in core-resonant Auger decay in strong x-ray fields. <i>Physical Review A</i> , 2011, 84, .	2.5	28

#	ARTICLE	IF	CITATIONS
73	Charge resolved electrostatic diagnostic of colliding copper laser plasma plumes. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	24
74	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> , 2010, 65, 627-635.	2.9	51
75	Two-color experiments in the gas phase at FLASH. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2010, 181, 111-115.	1.7	11
76	Characterization of a high-pressure laser ion source with dc and pulsed extraction. <i>Plasma Sources Science and Technology</i> , 2010, 19, 065007.	3.1	5
77	Two-Photon Inner-Shell Ionization in the Extreme Ultraviolet. <i>Physical Review Letters</i> , 2010, 105, 013001.	7.8	35
78	Two-Photon Excitation and Relaxation of the $3d^3$ Resonance in Atomic Kr. <i>Physical Review Letters</i> , 2010, 104, 213001.	7.8	41
79	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> , 2010, 57, 1015-1040.	1.3	110
80	Emission characteristics and dynamics of the stagnation layer in colliding laser produced plasmas. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	37
81	The DCU laser ion source. <i>Review of Scientific Instruments</i> , 2010, 81, 043305.	1.3	34
82	Perveance and ion bunch structure from a compact, high-pressure laser ion source. <i>Physics of Plasmas</i> , 2010, 17, 123115.	1.9	3
83	Two-colour experiments in the gas phase. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 194006.	1.5	74
84	Time-resolved pump-probe experiments beyond the jitter limitations at FLASH. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	61
85	4p-inner-shell and double-excitation spectrum of SrII. <i>Physical Review A</i> , 2009, 79, .	2.5	1
86	Electron and ion stagnation at the collision front between two laser produced plasmas. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 055211.	2.8	37
87	Growth and field emission properties of ZnO nanostructures deposited by a novel pulsed laser ablation source on silicon substrates. <i>Ultramicroscopy</i> , 2009, 109, 399-402.	1.9	5
88	Time resolved Nomarski interferometry of laser produced plasma plumes. <i>Applied Surface Science</i> , 2009, 255, 5167-5171.	6.1	13
89	Experiments at FLASH. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 601, 108-122.	1.6	88
90	Particle diagnostics of a ZnO laser ablation plume for nanostructured material deposition. <i>Applied Surface Science</i> , 2009, 255, 5338-5341.	6.1	8

#	ARTICLE	IF	CITATIONS
91	Atomic photoionization in weak and strong two-color radiation fields. Journal of Physics: Conference Series, 2009, 194, 032035.	0.4	0
92	Characterization of the FLASH XUV-FEL pulses by two-color photoionization experiments. , 2009, , .		0
93	From tiny seeds to coherent beams. Nature Photonics, 2008, 2, 67-68.	31.4	5
94	The 5d photoabsorption spectra of Pb III and Bi IV. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 205001.	1.5	12
95	Polarization Control in Two-Color Above-Threshold Ionization of Atomic Helium. Physical Review Letters, 2008, 101, 193002.	7.8	78
96	Absolute photoionization cross-section measurements of the Kr I isoelectronic sequence. Physical Review A, 2007, 75, .	2.5	8
97	Single-shot characterization of independent femtosecond extreme ultraviolet free electron and infrared laser pulses. Applied Physics Letters, 2007, 90, 131108.	3.3	64
98	3p photoabsorption spectra of Mn ²⁺ and Mn ³⁺ . Physical Review A, 2007, 75, .	2.5	1
99	Photoionization experiments with the ultrafast EUV laser 'FLASH' – free electron laser in Hamburg. Journal of Physics: Conference Series, 2007, 88, 012057.	0.4	15
100	Study of a colliding laser-produced plasma by analysis of time- and space-resolved image spectra. Journal of Applied Physics, 2007, 101, 033302.	2.5	50
101	An experiment for two-color photoionization using high intensity extreme-UV free electron and near-IR laser pulses. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 583, 516-525.	1.6	41
102	Theoretical study of photoionization of the isoelectronic sequence Rb ⁺ , Sr ²⁺ , and Y ³⁺ . Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2007, 102, 149-158.	0.6	4
103	Operation of a free-electron laser from the extreme ultraviolet to the water window. Nature Photonics, 2007, 1, 336-342.	31.4	1,455
104	Plasma parametrization by analysis of time-resolved laser plasma image spectra. Measurement Science and Technology, 2006, 17, 670-674.	2.6	22
105	Two-color photoionization in xuv free-electron and visible laser fields. Physical Review A, 2006, 74, .	2.5	87
106	Spectroscopic characterization of vacuum ultraviolet free electron laser pulses. Optics Letters, 2006, 31, 1750.	3.3	50
107	4d photoabsorption spectra of Indium (In II – In IV). Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 773-782.	1.5	11
108	Photoabsorption spectra of a laser produced Sn plasma. Proceedings of SPIE, 2005, , .	0.8	1

#	ARTICLE	IF	CITATIONS
109	Instrumental contributions to the time-resolved optogalvanic signal in a hollow cathode discharge. Journal Physics D: Applied Physics, 2005, 38, 2237-2243.	2.8	5
110	EUV photoabsorption spectra of Cd II and Cd III. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 83-88.	1.5	9
111	Progress report on compact system for point projection x-ray absorption spectroscopy and imaging of laser produced plasmas. Proceedings of SPIE, 2005, 5826, 363.	0.8	0
112	EUV photoabsorption of laser produced tellurium plasmas: Te Iâ€“Te IV. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 2895-2909.	1.5	6
113	On the 3p-subshell photoabsorption spectra of iron-group ions: the case of Mn ²⁺ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, L1-L8.	1.5	16
114	4d photoabsorption spectra of Sn II and Sn IV in the 30â€“65 eV region. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 4247-4257.	1.5	11
115	Theoretical and experimental study of the extreme ultraviolet photoabsorption spectrum of triply ionized yttrium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 4663-4680.	1.5	5
116	Evidence for Rescattering in Intense, Femtosecond Laser Interactions with a Negative Ion. Physical Review Letters, 2004, 93, 223001.	7.8	24
117	Tracking ground state Ba ⁺ ions in an expanding laserâ€“plasma plume using time-resolved vacuum ultraviolet photoionization imaging. Laser and Particle Beams, 2004, 22, 207-213.	1.0	1
118	VUV/EUV ionising radiation and atoms and ions: dual laser plasma investigations. Radiation Physics and Chemistry, 2004, 70, 291-321.	2.8	33
119	Double ionization of atomic negative ions in an intense laser field. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, L235-L240.	1.5	9
120	The 4p-subshell photoabsorption spectrum of singly ionized molybdenum. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 2611-2628.	1.5	4
121	Trends in autoionization of Rydberg states converging to the 4s threshold in the Kr ⁺ Rb ⁺ Sr ²⁺ isoelectronic sequence: Theory and experiment. Physical Review A, 2003, 67, .	2.5	17
122	Vacuum-ultraviolet photoabsorption imaging system for laser plasma plume diagnostics. Review of Scientific Instruments, 2003, 74, 2992-2998.	1.3	9
123	Vacuum-UV photoabsorption imaging of laser-ablated plumes. , 2003, 4876, 564.		1
124	VUV and soft x-ray emission from pre-plasmas irradiated with intense picosecond and femtosecond pulses. , 2003, , .		3
125	Low-level measurements of carbon concentrations in steel using laser-induced plasma spectroscopy (LIPS). , 2003, , .		0
126	Optimization of the Emission Characteristics of Laser-Produced Steel Plasmas in the Vacuum Ultraviolet: Significant Improvements in Carbon Detection Limits. Applied Spectroscopy, 2002, 56, 970-983.	2.2	71

#	ARTICLE	IF	CITATIONS
127	Comparison between Intensified Photodiode Array and Charge-Coupled Device Detectors in the Vacuum Ultraviolet for Laser-Induced Plasma Spectroscopy. <i>Applied Spectroscopy</i> , 2001, 55, 1430-1433.	2.2	9
128	Vacuum-ultraviolet absorption spectrum of the Rb ⁺ ion in a laser-generated plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001, 34, L651-L656.	1.5	7
129	Wave-function collapse with increasing ionization: 4d photoabsorption of Cs through Cs ⁴⁺ . <i>Physical Review A</i> , 2001, 63, .	2.5	27
130	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> , 2000, 168, 150-153.	6.1	5
131	The evolution of 4d photoabsorption in Sb with increasing ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, 1383-1401.	1.5	15
132	Vacuum-UV absorption spectrum of a laser-produced chromium plasma: 3p-subshell photoabsorption by Cr ²⁺ ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, 5077-5090.	1.5	20
133	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> , 2000, 33, 5203-5214.	1.5	9
134	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> , 2000, 33, 1159-1168.	1.5	9
135	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> , 2000, 33, 2252-2262.	2.8	40
136	Photoabsorption and photoion spectroscopy of atomic uranium in the region of 6p and 5d excitations. <i>Physical Review A</i> , 2000, 61, .	2.5	8
137	Vacuum-ultraviolet resonant photoabsorption imaging of laser produced plasmas. <i>Journal of Applied Physics</i> , 2000, 88, 4953-4960.	2.5	4
138	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> , 1999, 32, L583-L591.	1.5	49
139	Discrete structure in the 4d photoabsorption spectrum of antimony and its ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, 4859-4876.	1.5	52
140	Discrete structure in the 4d photoabsorption spectrum of tellurium and its ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, 3905-3922.	1.5	25
141	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> , 1999, 32, L285-L290.	1.5	6
142	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> , 1999, 83, 2151-2154.	7.8	27
143	New dual laser plasma investigations of inner-shell excitations. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1999, 101-103, 161-166.	1.7	7
144	Absorption spectroscopy of an expanding laser produced lithium plasma in the extreme ultraviolet using the Dual Laser Plasma technique. <i>Applied Surface Science</i> , 1998, 127-129, 686-691.	6.1	15

#	ARTICLE	IF	CITATIONS
145	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> , 1998, 31, L547-L552.	1.5	16
146	Determination of Ca 2p ionization thresholds by high-resolution photoelectron spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998, 31, L289-L296.	1.5	5
147	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> , 1998, 31, 677-688.	1.5	9
148	Dramatic Changes in the 3s Autoionization Process at the Beginning of the Ar I Sequence. <i>Physical Review Letters</i> , 1997, 78, 3082-3085.	7.8	29
149	Short-pulse, extreme-ultraviolet continuum emission from a table-top laser plasma light source. <i>Applied Physics Letters</i> , 1997, 70, 1497-1499.	3.3	13
150	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> , 1997, 30, 4801-4812.	1.5	5
151	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> , 1996, 29, L181-L191.	1.5	24
152	New experiments in photoabsorption studies of singly and multiply charged ions. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1996, 79, 283-288.	1.7	12
153	Measurements of extreme UV yields from Nd-YAG plasmas using a multilayer monochromator. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1996, 80, 295-298.	1.7	1
154	Trends in 4d-subshell photoabsorption along the iodine isonuclear sequence: I, I ⁺ , and I ²⁺ . <i>Physical Review A</i> , 1996, 53, 3211-3226.	2.5	72
155	4f(P ₁) Giant Dipole Resonance in La ³⁺ . <i>Physical Review Letters</i> , 1995, 74, 2188-2191.	7.8	36
156	High-resolution photoion yield measurements of 'hollow' atomic lithium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, L161-L168.	1.5	71
157	2p-subshell photoabsorption by Si ²⁺ ions in a laser-produced plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, 1715-1722.	1.5	26
158	The 3p photoabsorption spectra of K II and Ca III. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, 4771-4779.	1.5	12
159	XUV photoabsorption of laser generated Au vapour. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, 181-190.	1.5	11
160	Investigation of Na 2p _{5/2} 3s _{3/2} resonances using angular resolved photoelectron spectroscopy of laser-aligned sodium atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1994, 27, 1341-1349.	1.5	24
161	Even-parity autoionizing states in the extreme-ultraviolet photoabsorption spectra of Mg, Al ⁺ , and Si ²⁺ . <i>Physical Review A</i> , 1994, 49, 755-761.	2.5	28
162	First observation of a photon-induced triply excited state in atomic lithium. <i>Physical Review Letters</i> , 1994, 72, 2359-2362.	7.8	110

#	ARTICLE	IF	CITATIONS
163	The 1s absorption spectrum of neutral and singly ionized boron. Journal of Physics B: Atomic, Molecular and Optical Physics, 1992, 25, 3963-3970.	1.5	12
164	The 2p-subshell photoabsorption spectrum of Al ⁺ in a laser-produced plasma. Journal of Physics B: Atomic, Molecular and Optical Physics, 1992, 25, 5055-5068.	1.5	21
165	Research and development topics in Analytical Chemistry. Analytical Proceedings, 1992, 29, 45.	0.4	4
166	X-UV Absorption Spectroscopy with Laser-Produced Plasmas: A Review. Physica Scripta, 1991, T34, 77-92.	2.5	110
167	Identification of 4s ² 4p transitions in Ru x, Ru xi, Rh xi, Rh xii, Pd xii, and Pd xiii. Journal of the Optical Society of America B: Optical Physics, 1991, 8, 1369.	2.1	2
168	<title>Applications of laser plasmas in XUV photoabsorption spectroscopy</title>., 1991, 1503, 406.		0
169	XUV photoabsorption of laser-generated W and Pt vapours. Journal of Physics B: Atomic, Molecular and Optical Physics, 1991, 24, 5063-5069.	1.5	36
170	3p photoabsorption of free and bound Cr, Cr ⁺ , Mn, and Mn ⁺ . Physical Review A, 1991, 43, 1441-1450.	2.5	70
171	4s to 4p transitions in As I like Ru XII, Rh XIII and Pd XIV. Journal of Physics B: Atomic, Molecular and Optical Physics, 1990, 23, L575-L581.	1.5	4
172	4s-4p transitions in Ge-like Ru and Rh. Journal of Physics B: Atomic, Molecular and Optical Physics, 1990, 23, L239-L245.	1.5	13
173	Marked differences in the 3p photoabsorption between the Cr and Mn ⁺ isoelectronic pair: Reasons for the unique structure observed in Cr. Physical Review A, 1989, 39, 6074-6077.	2.5	49
174	4s ² 4p ⁴ -4s ² 4p ³ 5s transitions in Ru XI, Rh XII and Pd XIII. Journal of Physics B: Atomic, Molecular and Optical Physics, 1988, 21, 2399-2406.	1.5	2
175	4s ² 4p ² -4s ² 4p ⁵ s transitions in Ru XIII, Rh XIV and Pd XV. Journal of Physics B: Atomic, Molecular and Optical Physics, 1988, 21, L195-L199.	1.5	20
176	ULTRAVIOLET ABSORPTION OF REFRACTORY ELEMENTS BY A DUAL LASER PLASMA METHOD. Journal De Physique Colloque, 1988, 49, C1-243-C1-246.	0.2	6
177	The XUV photoabsorption spectrum of uranium vapour. Journal of Physics B: Atomic and Molecular Physics, 1987, 20, L201-L205.	1.6	10
178	XUV emission from thorium plasmas; the identification of Th XI and Th XIII. Journal of Physics B: Atomic and Molecular Physics, 1986, 19, L651-L656.	1.6	7
179	4p-5s Transitions in In XIII, In XIV and In XV. Physica Scripta, 1986, 33, 226-228.	2.5	2
180	Giant-Dipole-Resonance Absorption in Atomic Thorium by a Novel Two-Laser Technique. Physical Review Letters, 1986, 57, 1581-1583.	7.8	32

#	ARTICLE	IF	CITATIONS
181	4p-5s transitions in AgXI to AgXIV in a laser-produced plasma. Journal of Physics B: Atomic and Molecular Physics, 1984, 17, 345-353.	1.6	12
182	4p-5s transitions in Cd XII, Cd XIII and Cd XIV. Journal of Physics B: Atomic and Molecular Physics, 1984, 17, 4477-4483.	1.6	6
183	XUV emission from uranium plasmas; the identification of U XIII and U XV. Journal of Physics B: Atomic and Molecular Physics, 1984, 17, 2169-2176.	1.6	11