

2 . 1 Articles dans des revues avec comité de lecture - ACL

- ACL1 «L shell photoionisation of N²⁺ and O³⁺ isoelectronic ions»
Bizau J. M., Champeaux J. P., Cubaynes D., Blancard C., Hitz D., Bruneau J., Lemaire J., Comptant La Fontaine A., Girard A., Wuilleumier F.,
Phys. Scr. T 110, 57 (2004).
- ACL2 «X-ray line polarization of He-like Si satellite spectra in plasmas driven by high-intensity ultrashort pulsed lasers»
Hakel P., Mancini R., Roberto C., Gauthier J., Minguez E., Dubau J., Cornille M.
Physical Review E 69, 056405 (2004).
- ACL3 «XMM-NEWTON observation of the Seyfert 1ESO 198-G24»
Porquet D., Kaastra J.S., Page K.L., O'Brien P., Ward M., Dubau J.
Astronomy and Astrophysics, 413, 913 (2004).
- ACL4 «Improved data for solar flare X-ray spectral analysis»
Phillips K., Rainnie J.A., Harra L., Dubau J., Keenan F.P., Peacock N.J.
Astron. Astrophys, 416, 765 (2004).
- ACL5 «Convergence of method of the hyperspherical R matrix with semiclassical outgoing waves»
Selles P., Malegat L., Huetz A., Kazansky A., Seccombe D., Collins S.A., Reddish T.
Physical Review A: Atomic, Molecular and Optical Physics, A 69, 052707 (2004).
- ACL6 «Reaction microscope study of near-threshold photo double ionization of xenon using high harmonics»
Bottcher M., Rottke H., Zhavoronkov N., Sandner W., Agostini P., Gisselbrecht M., Huetz A.
J. Phys. B : At.Mol. Opt. Phys., 38, L389 (2005).
- ACL7 «Photoionization of synchrotron radiation excited atoms : Separating partial cross sections by full polarization control»
Aloise S., O'Keefe P., Cubaynes D., Meyer M., Grum Grzhimailo A.N.
Phys. Rev. Lett., 94, 223002 (2005).
- ACL8 «Photodouble ionization and the dynamics of electron pairs in the continuum»
Avaldi L., Huetz A.,
J. Phys. B : At. Mol. Opt. Phys, 38, S861 (2005).
- ACL9 «Radiative and Collisional Atomic Data for Neon-like Silicon»
Ben Nessib N., Elabidi H., Cornille M., Dubau J.
Phys.Scr., 7223 (2005).
- ACL10 «Modeling of the saturated Ni-like silver x-ray laser»
Benredjem D., Moller C., Dubau J., Kuba J., Smith R.F., Mosse C.
Phys. Rev. A 72, 013821 (2005).

- ACL11 «Line shape and ray trace calculations in saturated X-ray lasers : Applications to Ni-like silver»
Benredjem D., Guilbaud O., Moller C., Klisnick A., Ros D., Dubau J., Calisti A., Talin B.
J.Q.S.R.T., 99, 67 (2005).
- ACL12 «Absolute cross sections for L-shell photoionization of the ions N^{2+} , N^{3+} , O^{3+} , O^{4+} , F^{3+} , F^{4+} and Ne^{4+} .»
Bizau J.M., Champeaux J.P., Cubaynes D., Wuilleumier F., Folkmann F., Jacobsen T., Penent F., Blancard C., Kjeldsen H.
Astronomy and Astrophysics, 439 (1), 387 (2005).
- ACL13 «Dynamics of the helium atom close to the full fragmentation threshold: Ionization excitation», Bouri C., Selles P., Malegat L., Teuler J.M., Njock M.K., Kazansky A.K.
Physical Review A: Atomic, Molecular and Optical Physics, A72 (4) 042716 (2005).
- ACL14 «Multicolour above-threshold ionization of helium: quantum interference effects in angular distributions»
Guyétand O., Gisselbrecht M., Huetz A., Agostini P., Taieb R., Vénierard V., Maquet A., Antonucci L., Boyko O., Valentin C., Douillet D.
J. Phys. B : At.Mol. Opt. Phys., 38, L357 (2005).
- ACL15 «FeXXV and FeXXVI lines from low-velocity, photoionized gas in the X-ray spectra of active galactic nuclei»
Bianchi S., Matt G., Nicastro F., Porquet D., Dubau J.
Monthly Notices of the Royal Astronomical Society, 357, 599 (2005).
- ACL16 «Density dependence of the polarization of the $2^3P^1 \rightarrow 1^1S^0$ intercombination line emitted by helium-like neon excited by an electron beam»
Rachedi S., Inal M., Dubau J.
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- ACL17 «Optimization of momentum imaging systems using electric and magnetic field»
Gisselbrecht M., Huetz A., Lavollée M., Reddish T., Seccombe D.
Review of Scientific Instruments, 76 (1) (2005).
- ACL18 «Nanometric deformations of thin niobium layers under a strong electric field using soft X-ray laser interferometry»
Jamelot G., Ros D., Carillon A., Rus B., Mocek T., Koslova M., Prag A., Joyeux D., Phalippou D., Boussoukaya M., Kalmykow M., Ballester F., Jacques E.
Journal of Applied Physics, 98, 044308 (2005).
- ACL19 «Absolute Time-Resolved X-Ray laser gain measurement»
Mocek T., Sebban S., Maynard G., Zeitoun P., Faivre G., Hallou A., Fajardo M., Kazamias S., Cros B., Aubert D., De Lazeche-Murel G., Rousseau J., Dubau J.
Phys.Rev.Lett, 95, 173902 (2005).
- ACL20 «Compression of attosecond harmonic pulses by extreme-ultraviolet chirped mirrors»
Morlens A.-S., Balcou P., Zeitoun P., Valentin C., Laude V., Kazamias S.
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- ACL21 «Double photoionization of N₂O molecules in the 28-40 eV energy range»
Alagia M., Candori P., Falcinelli S., Lavollée M., Pirani F., Ritcher R., Stranges S., Vecchiocattivi F.
Chemical Physics Letters, 432 (4-6) 398-402 (2006).
- ACL22 «Temporal coherence of the Ni-like palladium x-ray laser in the transient pumping scheme»
Benredjem D., Moller C., Dubau J., Ball T.
Physical Review A: Atomic, Molecular and Optical Physics, 73 063820 (2006).
- ACL23 «Longitudinal coherence and spectral profile of a nickel-like silver transient soft X-ray laser»
Guilbaud O., Klisnick A., Joyeux D., Benredjem D., Cassou K., Kazamias S., Ros D., Phalippou D., Jamelot G., S., Moller C.
Eur. Phys. J., D 40, 125 (2006).
- ACL24 «Experimental and theoretical determination of the photoionization cross sections of the Fe⁴⁺ ion.»
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- ACL25 «Absolute photoionization cross sections along the Xe isonuclear sequence: Xe³⁺ to Xe⁶⁺»
Bizau J. M., Blancard C., Cubaynes D., Folkmann F., Champeaux J. P., Lemaire J., Wuilleumier F.
Phys. Rev. A 73 022718 (2006).
- ACL26 «Parabolic versus spherical partial cross sections for photoionization excitation of He near threshold»,
Bouri C., Selles P., Malegat L., Kwato Njock M.G.
Phys. Rev. A 74 (3) 032704 (2006).
- ACL27 «Dynamics of the helium atom close to the full fragmentation threshold : Double ionization»
Bouri C., Selles P., Malegat L., Kwato Njock M.G.
Phys. Rev. A 73 (2) 022724 (2006).
- ACL28 «Homogeneous focusing with a transient soft X-ray laser for irradiation experiment»
Kazamias S., Cassou K., Guilbaud O., Klisnick A., Ros D., Ple F., Jamelot G., Rus B., Koslovà M., Stupka M., Mocek T., Douillet D., Joyeux D., Zeitoun P., Phalippou D.,
Optics Communications, 263 Issue 1, 98-104 (2006).
- ACL29 «Transverse spatial improvement of a transiently pumped soft-x-ray amplifier»
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- ACL30 «Longitudinal coherence of a Ni-like Silver transient soft x-ray laser»
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- ACL31 «Origin of microstructures in picosecond X-ray laser beams»
Guilbaud O., Klisnick A, Cassou K., Kazamias S., Ros D., Jamelot G., Joyeux D., Phalippou D.
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- ACL32 «Two-colors photoionization in XUV free-electron and visible laser fields»
Meyer M., Cubaynes D., O’Keefe P., Luna H., Yeates P., Kennedy E., Costello J., Orr P., Taieb R., Maquet A., Dusterer S., Radcliffe P., Redlin H., Azima A., Plonjes E., Feldhaus J.
Phys. Rev. A 74, 011401(R) (2006).
- ACL33 «Probing the KII 3p⁵ 4p fine structure by photoelectron spectroscopy of laser-excited potassium»
Meyer M., Cubaynes D., Wuilleumier F., Heinecke E., Richter T., Zimmermann P., Strakova S.I., Grum Grzhimailo A.
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- ACL34 «Si XII X-Ray satellite lines in solar flare spectra»
Phillips K., Dubau J., Sylwester J., Sylwester B.
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- ACL35 «Characterisation of the collisionally pumped optical-field-ionized soft-x-ray laser at 4.18nm driven in capillary tubes»
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Phys.Rev. A 73 033801 (2006).
- ACL36 «Polarization of line radiation due to mixed E1 M2 transitions. Application to hyperfine components of the heliumlike 1s2p ³P²→1s²S₀ line»
Bensaid R., Inal M., Dubau J.
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- ACL37 «Spectroscopic characterization of vacuum ultraviolet free electron laser pulses»
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Opt. Lett. 31, 1750 (2006).
- ACL38 «Photodouble ionization dynamics for fixed-in-space H₂»
Gisselbrecht M., Lavollee M., Huetz A., Bolognesi P., Avaldi L., Seccombe D., Reddish T.
Phys. Rev. Lett. 96 153002 (2006).
- ACL39 «Radiative relaxation and fragmentation dynamics of 2p-excited hydrogen sulfide»
Meyer M., O’Keefe P., Plenge J., Flesch R., Ruhl E.
J. Chem Phys. 125, 214306 (2006).
- ACL40 «Pump-probe experiments in atoms involving laser and synchrotron radiation: An overview»
Wuilleumier F., Meyer M.
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- ACL41 «Lineshapes of the even $mp^5 n(p'/f')$ autoionizing resonances of Ar, Kr and Xe»
Petrov I.D., Peters T., Halfmann T., Aloise S., O'Keefe P., Meyer M., Sukhorukov V.L., Hotop H.
Eur. Phys. J., D 40, 181 (2006).
- ACL42 «Routes to multiphoton double ionization by combined extreme ultraviolet and infrared photons», Bottcher M., Rottke H., Zhavoronkov N., Sandner W Agostini P., Gisselbrecht M., Huetz A.
Physical Review A: Atomic, Molecular and Optical Physics, 75, 033408 (2007).
- ACL43 «Dynamical description of transient X-Ray lasers seeded with High-Order harmonic radiation through Maxwell-Bloch numerical simulations»
Al Miev I.R., Larroche O., Benredjem D., Dubau J., Kazamias S., Moller C., Klisnick A.
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- ACL44 «Probing the potential energy surface by high-resolution x-ray absorption spectroscopy: The umbrella motion of the core-excited CH_3 free radical»
Alagia M., Lavollée M., Ritcher R., Ekstrom U., Carravetta V., Brunetti B., Stranges D., Stranges S.
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- ACL45 «Anisotropy of the angular distribution of fragment ions in dissociative double photoionizaion of N_2O molecules in the 30-50eV energy range»
Alagia M., Candori P., Falcinelli S., Lavollée M., Pirani F., Ritcher R., Stranges S., Vecchiocattivi F.
Journal of Chemical Physics, 126 (20) (2007).
- ACL46 «Photo-Double Ionization of H_2 »
Gisselbrecht M., Lavollée M., Huetz A., Bolognesi P., Avaldi L., Seccombe D., Reddish T.
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- ACL47 «An experiment for two-colors photoionization using high intensity extreme-UV free electron and near-IR laser pulses»
Radcliffe P., Dusterer S., Azima A., Li W.B., Plonjes E., Redlin H., Feldhaus J., Nicolosi P., Poletto L., Dardis J., Gutierrez J.P., Hough P., Kavanagh K., Kennedy E., Luna H., Yeates P., Costello J., Delyseries A., Lewis C.L.S., Glijer D., Cubaynes D., Meyer M., Poletto L.
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- ACL48 «Single-shot characterization of independent femtosecond extreme ultraviolet free electron and infrared laser pulses»
Radcliffe P., Dusterer S., Azima A., Redlin H., Feldhaus J., Dardis J., Kavanagh K., Luna H., Pedregosa J., Yeates P., Kennedy E., Costello J., Delyseries A., Lewis C.L.S., Taieb R., Maquet A., Cubaynes D., Meyer M.
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- ACL49 «Modelling of transient Ni-like silver X-ray lasers»
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- ACL50 «Dynamical and relativistic effects in experimental and theoretical studies of inner-shell photoionization of sodium»
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- ACL51 «Absolute photoionization cross section measurements of the KrI-isoelectronic sequence»
Kilbane D., Folkmann F., Bizau J.M., Banahan C., Scully S., Kjeldsen H., Van Kampen P., Mansfield M., Costello J., West J.
Phys.Rev. A 75 (3) 032711 (2007).
- ACL52 «Fine structure quantum method of electron impact broadening calculations for XUV lines in hot plasmas»,
Dubau J., Blancard C., Cornille M.
High Energy Density Physics, 3, 76 (2007).
- ACL53 «Numerical test of the Wannier threshold law for double photoionization of Helium»
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J.Phys.B : At Mol. Opt. Phys., 40 (4) F51 (2007).
- ACL54 «One- photon two-electron processes in helium : unity and diversity»
Bouri C., Selles P., Malegat L., Kwato Njock M.G.
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- ACL55 «Quantitative study of 10Hz operation of a soft x-ray laser-energy stability and target considerations»
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- ACL56 «Optimization toward a high-average-brightness soft-x-ray laser pumped at grazing incidence»
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Optics Letters, 32 (2) 139-141 (2007).
- ACL57 «Design and demonstration of a high energy booster amplifier for a high repetition rate petawatt class laser system»
Plé F., Pittman M., Jamelot G., Chambaret J.P.
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- ACL58 «Intensity inversion between main and satellite lines in atomic photoionization»
Cubaynes D., Heinecke E., Richter T., Dhiel S., Wuilleumier F., Zimmermann P., Meyer M.
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- ACL59 «Outstanding spin-orbit activated interchannel coupling in Cs and Ba 3d photoemission»
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- ACL60 «Coherence and correlations in photoinduced Auger and fluorescence cascades in atoms»
Kabachnik N., Fritsche S., Grum Grzhimailo A., Meyer M., Ueda K.
Physics Reports, 451, 155 (2007).
- ACL61 «Comment on : Partial Photoionization Cross Sections and Angular Distribution for Double Excitation of Helium up to the N=13 Threshold»
Malegat L.
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- ACL62 «Operation of a free electron laser-from the extreme ultraviolet to the water window»
Meyer M., Ackermann W et al.
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- ACL63 «Complete momentum analysis of Multiphoton Photo-double ionization of xenon by XUV and infrared photons»
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- ACL64 «Evolution of angular distributions in two-colour, few-position ionization of helium»
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- ACL65 «Physical Interpretation of the “Kinetic Energy Release” Effect in the Double Photoionization of H₂».
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- ACL66 «Why do the angular distributions of electron from photoionization of H₂⁺ and H₂ depend on the internuclear separation »
Colgan J., Huetz A., Reddish T., Pindzola M.S.
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- ACL67 «Electron impact broadening of spectral lines in Be-like ions : quantum calculations»
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- ACL68 «Evidence for highly correlated electron dynamics in two-photon double ionization of helium »
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- ACL69 «Internuclear separation dependence of the angular distributions from photoionization of H₂⁺»
Colgan J., Huetz A., Reddish T., Pindzola M.S.
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- ACL70 «Characterization of a transient collisional Ni-like molybdenum soft x-ray laser pumped in grazing incidence»
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2.2 Articles dans des revues sans comité de lecture - ASCL

- ASCL1 «Temperature-sensitive Line Ratios Diagnostics of the non-flaring Corona based on Satellite-to-Resonance Line Ratios for 1s²-1snp Transitions»
Phillips K., Dubau J., Sylwester J., Sylwester B., Kordylewski Z., Culhane J.L., Doschek G.A., Lang J.,
35th COSPAR Scientific Assembly, 2579 (2004)
- ASCL2 «Toward an x-ray laser beamline facility : LASERIX»
Jamelot G., Ros D., Pittman M., Klisnick A., Zeitoun P., Dubau J., Lagron J.C., Guilbaud O., Chambaret J.P., Rus B.
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- ASCL3 «Temporal coherence calculations in the Ni-like Pd x-ray laser»
Benredjem D., Ball T., Dubau J., Moller C.
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- ASCL4 «Two color photoionization in XUV free-electron and visible laser fields»
Meyer M., Cubaynes D., P.O 'Keeffe., Luna H., Yeates P., Kennedy E.T., Costello J.T., Orr P., Taieb R., Maquet A., Düsterer S., Radcliffe P., Redlin H., Azima A., Li W-B., Plöjes E., Feldhaus J.
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- ASCL5 «Laser X-UV en schéma collisionnel OFI à 41,8nm créé dans des tubes capillaires»
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J.Phys. IV, 138, 4. (2006)
- ASCL6 «Electrons take the dress, that fits the best : The photoionization of excited Li atoms»
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