

Loïc Journal

List of Publications by Year in descending order

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53
papers

1,130
citations

361413

20
h-index

414414

32
g-index

53
all docs

53
docs citations

53
times ranked

777
citing authors

#	ARTICLE	IF	CITATIONS
1	UV-induced dissociation of CH ₂ BrI probed by intense femtosecond XUV pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2022, 55, 014001.	1.5	7
2	Ultrafast dissociation of ammonia: Auger Doppler effect and redistribution of the internal energy. Physical Chemistry Chemical Physics, 2022, 24, 5842-5854.	2.8	6
3	Electron delocalisation in conjugated sulfur heterocycles probed by resonant Auger spectroscopy. Physical Chemistry Chemical Physics, 2022, 24, 8477-8487.	2.8	4
4	Simulation of Auger decay dynamics in the hard X-ray regime: HCl as a showcase. Physical Chemistry Chemical Physics, 2022, 24, 6590-6604.	2.8	4
5	Nonstatistical behavior of the photoionization of spin-orbit doublets. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 085001.	1.5	4
6	Unified treatment of recoil and Doppler broadening in molecular high-energy photoemission. New Journal of Physics, 2021, 23, 063077.	2.9	6
7	The O K ^{2V} spectrum of CO: the influence of the second core-hole. Physical Chemistry Chemical Physics, 2021, 23, 10780-10790.	2.8	4
8	Hard x-ray spectroscopy and dynamics of isolated atoms and molecules: a review. Reports on Progress in Physics, 2020, 83, 016401.	20.1	28
9	Argon K_{L_1} Auger spectrum: Initial states, core-hole lifetimes, shake, and knock-down processes. Physical Review A, 2020, 102, .	2.5	11
10	Deep-core photoionization of krypton atoms below and above the 1s ionization threshold. Physical Review A, 2020, 101, .	2.5	6
11	Electron spectroscopy and dynamics of HBr around the Br 1s ¹ threshold. Physical Chemistry Chemical Physics, 2020, 22, 26806-26818.	2.8	5
12	Single and multiple excitations in double-core-hole states of free water molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 224002.	1.5	7
13	Argon 1s ² Auger hypersatellites. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 54, 024001.	1.5	3
14	Hard x-ray photoelectron spectroscopy on heavy atoms and heavy-element containing molecules using synchrotron radiation up to 35 keV at SPring-8 undulator beamlines. New Journal of Physics, 2019, 21, 043015.	2.9	19
15	Multi-slit-type interference in carbon 2s photoionization of polyatomic molecules: from a fundamental effect to structural parameters. Physical Chemistry Chemical Physics, 2019, 21, 13600-13610.	2.8	0
16	Si 1s ¹ , 2s ¹ and 2p ¹ lifetime broadening of Si ₄ (X =) Tj ETQq0 0 0 rgBT /Ov Chemistry Chemical Physics, 2019, 21, 8827-8836.	2.8	6
17	Recoil-induced ultrafast molecular rotation probed by dynamical rotational Doppler effect. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4877-4882.	7.1	16
18	KL double core hole pre-edge states of HCl. Physical Chemistry Chemical Physics, 2018, 20, 2724-2730.	2.8	14

#	ARTICLE	IF	CITATIONS
19	Interplay of complex decay processes after argon $1s$ ionization. Physical Review A, 2018, 97, .	2.5	15
20	Ultrafast nuclear dynamics in the doubly-core-ionized water molecule observed via Auger spectroscopy. Physical Review A, 2018, 98, .	2.5	15
21	Double-core-hole states in CH ₃ CN: Pre-edge structures and chemical-shift contributions. Journal of Chemical Physics, 2018, 149, 134313.	3.0	12
22	Energy Transfer into Molecular Vibrations and Rotations by Recoil in Inner-Shell Photoemission. Physical Review Letters, 2018, 121, 073002.	7.8	17
23	Experimental setup for the study of resonant inelastic X-ray scattering of organometallic complexes in gas phase. Review of Scientific Instruments, 2018, 89, 063107.	1.3	3
24	Potential Energy Surface Reconstruction and Lifetime Determination of Molecular Double-Core-Hole States in the Hard X-Ray Regime. Physical Review Letters, 2017, 119, 133001.	7.8	17
25	Cationic double K-hole pre-edge states of CS ₂ and SF ₆ . Scientific Reports, 2017, 7, 13317.	3.3	19
26	Detailed assignment of normal and resonant Auger spectra of Xe near the L edges. Physical Review A, 2017, 96, .	2.5	6
27	Experimental and theoretical study of the double-core-hole hypersatellite Auger spectrum of Ne. Physical Review A, 2017, 96, .	2.5	15
28	Electronic-state lifetime interference in the hard-x-ray regime: Argon as a showcase. Physical Review A, 2017, 95, .	2.5	9
29	X-ray versus Auger emission following Xe $1s$ photoionization. Physical Review A, 2017, 95, .	2.5	14
30	Subfemtosecond Control of Molecular Fragmentation by Hard X-Ray Photons. Physical Review Letters, 2017, 118, 213001.	7.8	25
31	Electronic state-lifetime interference in resonant Auger spectra: a tool to disentangle overlapping core-excited states. Physical Chemistry Chemical Physics, 2016, 18, 15133-15142.	2.8	20
32	Double-Core-Hole States in Neon: Lifetime, Post-Collision Interaction, and Spectral Assignment. Physical Review Letters, 2016, 117, 133001.	7.8	59
33	Photon-energy dependence of single-photon simultaneous core ionization and core excitation in CO_2 . Physical Review A, 2016, 94, .	2.5	22
34	Two-to-one Auger decay of a double $L_{2,3}$ vacancy in argon. Physical Review A, 2016, 93, .	2.5	30
35	Auger spectrum of KLL Auger spectrum of H_2S . Physical Review A, 2016, 93, .	2.5	11
36	Hard-X-Ray-Induced Multistep Ultrafast Dissociation. Physical Review Letters, 2016, 116, 213001.	7.8	36

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37	Postcollision interaction effects in KLL Auger spectra following argon 1s photoionization. <i>Physical Review A</i> , 2015, 92, .	2.5	37
38	Auger resonant-Raman decay after Xe L-edge photoexcitation. <i>Physical Review A</i> , 2015, 92, .	2.5	12
39	Electron Dynamics in the Core-Excited CS_2 Revealed through Resonant Inelastic X-Ray Scattering Spectroscopy. <i>Physical Review X</i> , 2015, 5, .	12.8	59
40	Selecting core-hole localization or delocalization in CS_2 by photofragmentation dynamics. <i>Nature Communications</i> , 2015, 6, 6166.	12.8	59
41	Direct Observation of Double-Core-Hole Shake-Up States in Photoemission. <i>Physical Review Letters</i> , 2015, 114, 093001.	7.8	41
42	Auger resonant-Raman study at the Ar K edge as probe of electronic-state-lifetime interferences. <i>Physical Review A</i> , 2015, 91, .	2.5	18
43	Core-hole-clock spectroscopies in the tender x-ray domain. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 124031.	1.5	29
44	Atomic Auger Doppler effects upon emission of fast photoelectrons. <i>Nature Communications</i> , 2014, 5, 4069.	12.8	44
45	Hard X-ray photoelectron spectroscopy on the GALAXIES beamline at the SOLEIL synchrotron. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013, 190, 188-192.	1.7	94
46	From double-slit interference to structural information in simple hydrocarbons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15201-15206.	7.1	57
47	Double momentum spectrometer for ion-electron vector correlations in dissociative photoionization. <i>Review of Scientific Instruments</i> , 2013, 84, 103104.	1.3	18
48	Ultrafast Dynamics in Postcollision Interaction after Multiple Auger Decays in Argon $1s$ Photoionization. <i>Physical Review Letters</i> , 2012, 109, 013001.	7.8	39
49	Complex decay patterns in atomic core photoionization disentangled by ion-recoil measurements. <i>Physical Review A</i> , 2011, 84, .	2.5	21
50	Resonant inelastic x-ray scattering at the limit of subfemtosecond natural lifetime. <i>Journal of Chemical Physics</i> , 2011, 134, 144308.	3.0	30
51	Multipathway dissociation dynamics of core-excited methyl chloride probed by high resolution electron spectroscopy and Auger-electron ion coincidences. <i>Journal of Chemical Physics</i> , 2008, 128, 154314.	3.0	26
52	Resonant double Auger decay in carbon K -shell excitation of CO. <i>Physical Review A</i> , 2008, 77, .	2.5	34
53	Femtosecond nuclear motion of HCl probed by resonant x-ray Raman scattering in the Cl $1s$ region. <i>Physical Review A</i> , 2006, 73, .	2.5	63