

Pascal Salieres

List of Publications by Year in descending order

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148
papers

9,086
citations

66315

42
h-index

38368

95
g-index

150
all docs

150
docs citations

150
times ranked

2782
citing authors

#	ARTICLE	IF	CITATIONS
1	Anisotropic dynamics of two-photon ionization: An attosecond movie of photoemission. <i>Science Advances</i> , 2022, 8, eabl7594.	4.7	16
2	Probing electronic decoherence with high-resolution attosecond photoelectron interferometry. <i>European Physical Journal D</i> , 2022, 76, .	0.6	7
3	Attosecond photoionization dynamics in the vicinity of the Cooper minima in argon. <i>Physical Review Research</i> , 2021, 3, .	1.3	23
4	Two-dimensional phase cartography for high-harmonic spectroscopy. <i>Optica</i> , 2021, 8, 308.	4.8	4
5	Attosecond Imaging of Resonant Photoemission Dynamics. , 2021, , .		1
6	Quantifying Decoherence in Attosecond Metrology. <i>Physical Review X</i> , 2020, 10, .	2.8	17
7	Disentangling spectral phases of interfering autoionizing states from attosecond interferometric measurements. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 072010.	0.3	0
8	Spin-resolved spectral phase measurements around a Fano resonance. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 184003.	0.6	11
9	Disentangling Spectral Phases of Interfering Autoionizing States from Attosecond Interferometric Measurements. <i>Physical Review Letters</i> , 2019, 122, 253203.	2.9	26
10	Accuracy and precision of the RABBIT technique. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20170475.	1.6	29
11	Dynamical distortions of structural signatures in molecular high-order harmonic spectroscopy. <i>Physical Review A</i> , 2019, 99, .	1.0	13
12	Créer des impulsions laser ultra-brèves de très haute intensité : la technique du CPA. , 2019, , 13-25.	0.1	0
13	Time-frequency representation of autoionization dynamics in helium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 044002.	0.6	41
14	Evidence of depolarization and ellipticity of high harmonics driven by ultrashort bichromatic circularly polarized fields. <i>Nature Communications</i> , 2018, 9, 4727.	5.8	50
15	Interferometric control of the ellipticity of a femtosecond extreme ultraviolet source. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, A15.	0.9	3
16	Precise Access to the Molecular-Frame Complex Recombination Dipole through High-Harmonic Spectroscopy. <i>Physical Review Letters</i> , 2017, 118, 033201.	2.9	14
17	Optical waveform reconstruction. <i>Nature Photonics</i> , 2017, 11, 333-335.	15.6	2
18	Laser-induced blurring of molecular structure information in high harmonic spectroscopy. <i>Scientific Reports</i> , 2017, 7, 17302.	1.6	4

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19	Origin of ellipticity of high-order harmonics generated by a two-color laser field in the cross-polarized configuration. <i>Physical Review A</i> , 2016, 94, .	1.0	35
20	Molecular frame photoemission by a comb of elliptical high-order harmonics: a sensitive probe of both photodynamics and harmonic complete polarization state. <i>Faraday Discussions</i> , 2016, 194, 161-183.	1.6	18
21	Attosecond dynamics through a Fano resonance: Monitoring the birth of a photoelectron. <i>Science</i> , 2016, 354, 734-738.	6.0	213
22	Molecular frame photoemission: a sensitive probe of the complete polarization state of high harmonic generation. <i>Journal of Physics: Conference Series</i> , 2015, 635, 112140.	0.3	0
23	Transverse Electromagnetic Mode Conversion for High-Harmonic Self-Probing Spectroscopy. <i>Photonics</i> , 2015, 2, 184-199.	0.9	11
24	Flexible attosecond beamline for high harmonic spectroscopy and XUV/near-IR pump probe experiments requiring long acquisition times. <i>Review of Scientific Instruments</i> , 2015, 86, 033108.	0.6	24
25	Self-Probing Spectroscopy of the SF ₆ Molecule: A Study of the Spectral Amplitude and Phase of the High Harmonic Emission. <i>Journal of Physical Chemistry A</i> , 2015, 119, 6111-6122.	1.1	9
26	High-harmonic phase spectroscopy using a binary diffractive optical element. <i>Physical Review A</i> , 2014, 89, .	1.0	31
27	Theoretical and experimental studies of broadband phase-controlled attosecond mirrors. <i>Journal of Modern Optics</i> , 2014, 61, 122-131.	0.6	9
28	Electron trajectory control of odd and even order harmonics in high harmonic generation using an orthogonally polarised second harmonic field. <i>Journal of Modern Optics</i> , 2014, 61, 608-614.	0.6	7
29	Molecular orbital tomography from multi-channel harmonic emission in N ₂ . <i>Chemical Physics</i> , 2013, 414, 121-129.	0.9	13
30	Molecular internal dynamics studied by quantum path interferences in high order harmonic generation. <i>Chemical Physics</i> , 2013, 414, 184-191.	0.9	23
31	Linked attosecond phase interferometry for molecular frame measurements. <i>Nature Physics</i> , 2013, 9, 174-178.	6.5	49
32	Phase distortions of attosecond pulses produced by resonance-enhanced high harmonic generation. <i>New Journal of Physics</i> , 2013, 15, 013051.	1.2	67
33	Attosecond Molecular Spectroscopies with XUV Harmonic Radiation. <i>Springer Series in Optical Sciences</i> , 2013, , 191-206.	0.5	1
34	Spectrally resolved multi-channel contributions to the harmonic emission in N ₂ . <i>New Journal of Physics</i> , 2012, 14, 023062.	1.2	28
35	Driving-frequency scaling of high-harmonic quantum paths. <i>New Journal of Physics</i> , 2012, 14, 103014.	1.2	12
36	Amplitude and Phase of Resonant High Harmonic Emission in SF ₆ . , 2012, , .		0

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37	Femtosecond envelope of the high-harmonic emission from ablation plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 074012.	0.6	31
38	Imaging orbitals with attosecond and Å...ngstrÅm resolutions: toward attochemistry?. Reports on Progress in Physics, 2012, 75, 062401.	8.1	104
39	High Harmonic Generation in Aligned N2O for Orbital Tomographic Imaging. , 2012, , .		0
40	Self-probing of molecules with high harmonic generation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 203001.	0.6	119
41	Attosecond Resolved Electron Release in Two-Color Near-Threshold Photoionization of N^2 . Physical Review Letters, 2011, 106, 093002.	2.9	79
42	Attosecond emission from chromium plasma. Optics Express, 2011, 19, 3677.	1.7	83
43	Control of the attosecond synchronization of XUV radiation with phase-optimized mirrors. Optics Express, 2011, 19, 3809.	1.7	26
44	Design, deposition, and characterization of multilayer mirrors for ultrashort pulses in the attosecond domain. Proceedings of SPIE, 2011, , .	0.8	0
45	Compression of attosecond pulses with multilayer mirrors. , 2011, , .		0
46	Optiques pour les impulsions attosecondes. , 2011, , .		0
47	Attosecond imaging of molecular electronic wavepackets. Nature Physics, 2010, 6, 200-206.	6.5	548
48	Spatial fingerprint of quantum path interferences in high order harmonic generation. Optics Express, 2010, 18, 2987.	1.7	35
49	Sources coh�rentes de laboratoire dans lâ€™extr�me ultraviolet. , 2010, , 30-34.	0.1	5
50	Saddle point approach for the study of HHG on both fs and as timescales. , 2009, , .		0
51	Theoretical and experimental analysis of quantum path interferences in high-order harmonic generation. Physical Review A, 2009, 80, .	1.0	44
52	Interplay between absorption, dispersion and refraction in high-order harmonic generation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 175402.	0.6	35
53	High-Intensity High-order Harmonics Generated from Low-Density Plasma. , 2009, , .		0
54	Direct observation of quantum-path interferences in high order harmonic generation. European Physical Journal: Special Topics, 2009, 175, 191-194.	1.2	4

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55	Attosecond chirp-encoded dynamics of light nuclei. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 134002.	0.6	20
56	Ionization effects on spectral signatures of quantum-path interference in high-harmonic generation. <i>Optics Express</i> , 2009, 17, 5716.	1.7	21
57	Phase-resolved attosecond near-threshold photoionization of molecular nitrogen. <i>Physical Review A</i> , 2009, 80, .	1.0	152
58	Imaging molecular orbitals using HHG. , 2009, , .		0
59	Polarization-Resolved Pump-Probe Spectroscopy with High Order Harmonics. <i>Springer Series in Chemical Physics</i> , 2009, , 24-26.	0.2	0
60	The SCSS test accelerator Free-Electron Laser seeded by harmonics produced in gas. , 2009, , .		0
61	Quantum Path Interferences in High-Harmonic Generation: Ionization Effects and Spatial Structure. , 2009, , .		0
62	High-contrast pump-probe spectroscopy with high-order harmonics. , 2009, , .		0
63	Measuring the complex recombination dipole of aligned CO ₂ molecules in high-order harmonic generation. , 2009, , .		0
64	Using high-order harmonic generation for EUV Fourier transform spectroscopy. , 2009, , .		0
65	Seeding experiments at SPARC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 593, 132-136.	0.7	14
66	Macroscopic Effects in High-Order Harmonic Generation. <i>Springer Series in Optical Sciences</i> , 2008, , 261-280.	0.5	2
67	Injection of harmonics generated in gas in a free-electron laser providing intense and coherent extreme-ultraviolet light. <i>Nature Physics</i> , 2008, 4, 296-300.	6.5	289
68	Coherent control of attosecond emission from aligned molecules. <i>Nature Physics</i> , 2008, 4, 545-549.	6.5	204
69	Quantum Path Interferences in High-Order Harmonic Generation. <i>Physical Review Letters</i> , 2008, 100, 143902.	2.9	177
70	Polarization-resolved pump-probe spectroscopy with high harmonics. <i>New Journal of Physics</i> , 2008, 10, 025028.	1.2	29
71	The first attosecond pulse train reconstruction of high-order harmonics from laser ablation plasma. , 2008, , .		0
72	Two-quantum-path interferences in high order harmonic generation. , 2007, , .		0

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73	Status of the sparx project. , 2007, , .		1
74	Subcycle dynamics in the laser ionization of molecules. Physical Review A, 2007, 76, .	1.0	10
75	Quasi-phase-matching of high-order harmonics using a modulated atomic density. Physical Review A, 2007, 76, .	1.0	43
76	Two-quantum-path interferences in high order harmonic generation. , 2007, , .		0
77	Quantum-path interferences in high order harmonic generation. , 2007, , .		0
78	<title>Future seeding experiments at SPARC</title>. , 2007, , .		0
79	Scaling of Wave-Packet Dynamics in an Intense Midinfrared Field. Physical Review Letters, 2007, 98, 013901.	2.9	502
80	High-order harmonic generation with a strong laser field and an attosecond-pulse train: The Dirac-Delta comb and monochromatic limits. Laser Physics, 2007, 17, 390-400.	0.6	21
81	Characterization of Attosecond Pulse Trains. Springer Series in Optical Sciences, 2007, , 45-56.	0.5	0
82	Macroscopic control of high-order harmonics quantum-path components for the generation of attosecond pulses. Physical Review A, 2006, 74, .	1.0	32
83	Generation of attosecond pulses in molecular nitrogen. European Physical Journal D, 2006, 40, 305-311.	0.6	22
84	Controlling high-order harmonic generation and above-threshold ionization with an attosecond-pulse train. Physical Review A, 2006, 74, .	1.0	20
85	RECONSTRUCTION OF ATTOSECOND PULSE TRAINS. , 2006, , .		0
86	Extreme Ultraviolet Fourier-Transform Spectroscopy with High Order Harmonics. Physical Review Letters, 2005, 95, 223903.	2.9	39
87	High Harmonic XUV Spectral Phase Interferometry for Direct Electric-Field Reconstruction. Physical Review Letters, 2005, 94, 173903.	2.9	76
88	Reconstruction of Attosecond Pulse Trains Using an Adiabatic Phase Expansion. Physical Review Letters, 2005, 95, 243901.	2.9	43
89	Amplitude and Phase Control of Attosecond Light Pulses. Physical Review Letters, 2005, 94, 033001.	2.9	361
90	Attosecond Electron Wave Packet Dynamics in Strong Laser Fields. Physical Review Letters, 2005, 95, 013001.	2.9	107

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91	Frequency chirp of harmonic and attosecond pulses. Journal of Modern Optics, 2005, 52, 379-394.	0.6	121
92	Optimization of Attosecond Pulse Generation. Physical Review Letters, 2004, 93, 163901.	2.9	80
93	Using VUV high-order harmonics generated in gas as a seed for single pass FEL. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 528, 502-505.	0.7	20
94	Manipulating intense XUV coherent light in the temporal domain. Laser and Particle Beams, 2004, 22, 275-278.	0.4	3
95	Using VUV high-order harmonics generated in gas as a seed for single pass FEL. , 2004, , 502-505.		0
96	Temporal confinement of the harmonic emission through polarization gating. European Physical Journal D, 2003, 26, 79-82.	0.6	30
97	Application of frequency-domain interferometry in the extreme-ultraviolet range by use of high-order harmonics. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 171.	0.9	6
98	Attosecond Synchronization of High-Harmonic Soft X-rays. Science, 2003, 302, 1540-1543.	6.0	768
99	Contrôle de la phase relative d'impulsions harmoniques à une échelle de temps attoseconde. European Physical Journal Special Topics, 2003, 108, 89-92.	0.2	0
100	Mesures d'autocorrélation dans l'UVX avec des harmoniques d'ordre élevé. European Physical Journal Special Topics, 2003, 108, 101-104.	0.2	0
101	Génération d'harmoniques élevées limitées par l'absorption: le microjoule atteint à 53 nm. European Physical Journal Special Topics, 2003, 108, 97-100.	0.2	0
102	Raccourcissement de la durée de l'émission harmonique par génération d'une porte temporelle. European Physical Journal Special Topics, 2003, 108, 85-88.	0.2	0
103	Extreme-ultraviolet high-order harmonic pulses in the microjoule range. Physical Review A, 2002, 66, .	1.0	196
104	Phase and Polarization Control of the Harmonic Emission: Towards Attosecond Pulses. AIP Conference Proceedings, 2002, , .	0.3	0
105	Generation of ultrashort coherent XUV pulses by harmonic conversion of intense laser pulses in gases: towards attosecond pulses. Measurement Science and Technology, 2001, 12, 1818-1827.	1.4	25
106	XUV interferometry using high-order harmonics: Application to plasma diagnostics. Laser and Particle Beams, 2001, 19, 35-40.	0.4	7
107	Feynman's Path-Integral Approach for Intense-Laser-Atom Interactions. Science, 2001, 292, 902-905.	6.0	621
108	High-Order Harmonic Generation. , 2001, , 83-97.		6

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109	Measurement of the wavefront of XUV sources. European Physical Journal Special Topics, 2001, 11, Pr2-533-Pr2-536.	0.2	0
110	Coherence properties of high harmonics and their applications. European Physical Journal Special Topics, 2001, 11, Pr2-355-Pr2-364.	0.2	0
111	Utilisation d'impulsions UV femtosecondes pour l'Étude de la relaxation Électronique dans SiO ₂ . European Physical Journal Special Topics, 2001, 11, Pr7-77-Pr7-80.	0.2	0
112	Étude et modÉlisation du front d'onde des nouvelles sources XUV. European Physical Journal Special Topics, 2001, 11, Pr7-9-Pr7-13.	0.2	0
113	Nouvelles perspectives de diagnostics de plasmas denses par gÉnÉration d'harmoniques d'ordre ÉlevÉ. European Physical Journal Special Topics, 2001, 11, Pr7-81-Pr7-86.	0.2	0
114	Source UVX cohÉrente et ultrabrÈve par gÉnÉration d'harmoniques d'un laser intense. European Physical Journal Special Topics, 2001, 11, Pr7-69-Pr7-72.	0.2	0
115	Ultrafast electron relaxation measurements on $\hat{1}\pm$ -SiO ₂ using high-order harmonics generation. Laser and Particle Beams, 2000, 18, 489-494.	0.4	9
116	Coherence properties of high-order harmonics: Application to high-density laserÉ plasma diagnostic. Laser and Particle Beams, 2000, 18, 495-502.	0.4	9
117	Coherent ultrashort XUV emission by harmonic generation. Comptes Rendus Physique, 2000, 1, 317-327.	0.1	1
118	Applications of high-order harmonic generation. AIP Conference Proceedings, 2000, , .	0.3	0
119	High-order harmonic generation: A coherent ultrashort emission in the XUV range. AIP Conference Proceedings, 2000, , .	0.3	0
120	Measurement of the degree of spatial coherence of high-order harmonics using a Fresnel-mirror interferometer. Physical Review A, 2000, 61, .	1.0	69
121	Extreme ultraviolet interferometry measurements with high-order harmonics. Optics Letters, 2000, 25, 135.	1.7	91
122	Frequency-Domain Interferometry in the XUV with High-Order Harmonics. Physical Review Letters, 1999, 83, 5483-5486.	2.9	81
123	Study of The Spatial and Temporal Coherence of High-Order Harmonics. Advances in Atomic, Molecular and Optical Physics, 1999, 41, 83-142.	2.3	282
124	PropriÉtÉs de cohÉrence spatiale d'un faisceau d'harmoniques. European Physical Journal Special Topics, 1999, 09, Pr5-17-Pr5-18.	0.2	0
125	Beam-quality measurement of a focused high-order harmonic beam. Optics Letters, 1998, 23, 1544.	1.7	47
126	Temporal dependence of high-order harmonics in the presence of strong ionization. Physical Review A, 1998, 58, 389-399.	1.0	46

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127	Temporal and Spectral Tailoring of High-Order Harmonics. Physical Review Letters, 1998, 81, 5544-5547.	2.9	99
128	Harmonic Generation in Presence of Ionization. , 1998, , 53-58.		0
129	Generation of attosecond pulses in macroscopic media. Physical Review A, 1997, 56, 4960-4969.	1.0	91
130	Generalized phase-matching conditions for high harmonics: The role of field-gradient forces. Physical Review A, 1997, 55, 3204-3210.	1.0	300
131	Génération d'harmoniques d'ordre élevé dans les gaz : résultats récents. Annales De Physique, 1997, 22, C1-45-C1-52.	0.2	0
132	Theory of high-order harmonic generation by an elliptically polarized laser field. Physical Review A, 1996, 53, 1725-1745.	1.0	178
133	Title is missing!. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 4771-4786.	0.6	52
134	High-order harmonic generation in rare gases: a new source in photoionization spectroscopy. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1995, 34, 107-110.	1.0	28
135	HIGH-ORDER HARMONICS: A COHERENT SOURCE IN THE XUV RANGE. Journal of Nonlinear Optical Physics and Materials, 1995, 04, 647-665.	1.1	34
136	Coherence Control of High-Order Harmonics. Physical Review Letters, 1995, 74, 3776-3779.	2.9	445
137	Phase of the atomic polarization in high-order harmonic generation. Physical Review A, 1995, 52, 4747-4754.	1.0	457
138	Spatial profiles of high-order harmonics generated by a femtosecond Cr:LiSAF laser. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, L217-L222.	0.6	53
139	Multielectron stabilization of atoms in a laser field: Classical perspective. Physical Review A, 1994, 49, 1196-1201.	1.0	21
140	Coherence Properties of High-Order Harmonic Radiation. Springer Series in Chemical Physics, 1994, , 228-232.	0.2	1
141	Rayonnement UVX créé par génération d'harmoniques d'un champ laser intense. Annales De Physique, 1994, 19, C1-111-C1-118.	0.2	0
142	High-order Harmonic-generation cutoff. Physical Review A, 1993, 48, R3433-R3436.	1.0	197
143	High-order harmonic generation in rare gases with an intense short-pulse laser. Physical Review A, 1993, 48, 4709-4720.	1.0	261
144	X-UV imaging with backside illuminated CCDs in laser-matter interaction experiments. Journal of Optics, 1993, 24, 129-134.	0.3	2

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145	Influence of ellipticity on harmonic generation. Physical Review A, 1993, 48, R3437-R3440.	1.0	240
146	Applications of terawatt lasers. AIP Conference Proceedings, 1993, , .	0.3	0
147	Ultrahigh nonlinear harmonics in gases. , 0, , .		0
148	Coherent ultrashort XUV emission by harmonic generation: optimization and applications. , 0, , .		0