Nina Renate Gabriele Rohringer

List of Publications by Year
in descending order

63	4,106	236612	168136
papers	citations	25 h-index	53 g-index

64	64	64	3028
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Generation of intense phase-stable femtosecond hard X-ray pulse pairs. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119616119.	3.3	4
2	Modeling of 3D paraxial x-ray superfluorescence based on stochastic differential equations. , 2022, , .		0
3	Strong-field physics: general discussion. Faraday Discussions, 2021, 228, 470-487.	1.6	1
4	Towards novel probes for valence charges via X-ray optical wave mixing. Faraday Discussions, 2021, 228, 451-469.	1.6	5
5	Observation of Seeded Mn KÎ² Stimulated X-Ray Emission Using Two-Color X-Ray Free-Electron Laser Pulses. Physical Review Letters, 2020, 125, 037404.	2.9	20
6	Population inversion X-ray laser oscillator. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15511-15516.	3.3	27
7	Amplified spontaneous emission in the extreme ultraviolet by expanding xenon clusters. Physical Review A, 2020, 101, .	1.0	6
8	FEL-induced Amplified XUV emission of Xenon clusters. , 2020, , .		0
9	Evidence of Extreme Ultraviolet Superfluorescence in Xenon. Physical Review Letters, 2019, 123, 023201.	2.9	23
10	Stimulated resonant inelastic x-ray scattering with chirped, broadband pulses. Physical Review A, 2019, 99, .	1.0	2
11	X-ray Raman scattering: a building block for nonlinear spectroscopy. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20170471.	1.6	25
12	Quantum theory of superfluorescence based on two-point correlation functions. Physical Review A, 2019, 99, .	1.0	14
13	Roadmap of ultrafast x-ray atomic and molecular physics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 032003.	0.6	240
14	Stimulated X-Ray Emission Spectroscopy in Transition Metal Complexes. Physical Review Letters, 2018, 120, 133203.	2.9	48
15	Attosecond dynamics of light-induced resonant hole transfer in high-order-harmonic generation. Physical Review A, 2017, 95, .	1.0	9
16	Stochastic stimulated electronic x-ray Raman spectroscopy. Structural Dynamics, 2016, 3, 034101.	0.9	34
17	Nonlinear resonant Auger spectroscopy in CO using an x-ray pump-control scheme. Physical Review A, 2016, 94, .	1.0	19
18	Stimulated X-ray Raman scattering â€“ a critical assessment of the building block of nonlinear X-ray spectroscopy. Faraday Discussions, 2016, 194, 305-324.	1.6	25

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19	Attosecond photoionization dynamics with stimulated core-valence transitions. Physical Review A, 2016, 93, .	1.0	10
20	Quantum-beat Auger spectroscopy. Physical Review A, 2015, 92, .	1.0	14
21	Theoretical study of molecular electronic and rotational coherences by high-order-harmonic generation. Physical Review A, 2015, 91, .	1.0	13
22	The sensitivities of high-harmonic generation and strong-field ionization to coupled electronic and nuclear dynamics. Faraday Discussions, 2014, 171, 113-132.	1.6	20
23	Transient-gain photoionization x-ray laser. Physical Review A, 2014, 90, .	1.0	25
24	Photoemission spectroscopy with high-intensity short-wavelength lasers. Physical Review A, 2014, 89, .	1.0	24
25	X-ray lasing in diatomic molecules. Journal of Physics: Conference Series, 2014, 488, 012025.	0.3	1
26	X-ray lasing in diatomic molecules. Journal of Physics: Conference Series, 2014, 488, 032019.	0.3	1
27	Amplified X-Ray Emission from Core-Ionized Diatomic Molecules. Physical Review Letters, 2013, 110, 043901.	2.9	40
28	Atomic Inner-Shell X-Ray Lasers pumped by XFEL sources. , 2013, , .		0
29	Time-dependent calculations of electron energy distribution functions for neon gas in the presence of intense XFEL radiation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 235004.	0.6	9
30	X-ray lasing in the CO molecule. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 164017.	0.6	9
31	Stimulated resonant x-ray Raman scattering with incoherent radiation. Physical Review A, 2013, 88, .	1.0	27
32	Stimulated Electronic X-Ray Raman Scattering. Physical Review Letters, 2013, 111, 233902.	2.9	123
33	High-Harmonic Probing of Electronic Coherence in Dynamically Aligned Molecules. Physical Review Letters, 2013, 111, 243005.	2.9	56
34	Resonant<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>K</mml:mi><mml:mi>Î±</mml:mi></mml:math>Spectroscopy of Solid-Density Aluminum Plasmas. Physical Review Letters, 2012, 109, 245003.	2.9	58
35	Mixing waves in a diamond. Nature, 2012, 488, 598-599.	13.7	0
36	Atomic inner-shell X-ray laser at 1.46 nanometres pumped by an X-ray free-electron laser. Nature, 2012, 481, 488-491.	13.7	321

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37	Strongly driven resonant Auger effect treated by an open-quantum-system approach. Physical Review A, 2012, 86, .	1.0	31
38	Atomic and Molecular Inner-Shell X-Ray Lasers. , 2012, , .		0
39	Nonlinear Atomic Response to Intense Ultrashort X Rays. Physical Review Letters, 2011, 106, 083002.	2.9	221
40	In-plane rotation classification for coherent X-ray imaging of single biomolecules. Optics Express, 2011, 19, 11691.	1.7	1
41	Using the X-FEL to photo-pump x-ray laser transitions in He-like Ne. Proceedings of SPIE, 2011, , .	0.8	0
42	Unveiling and Driving Hidden Resonances with High-Fluence, High-Intensity X-Ray Pulses. Physical Review Letters, 2011, 107, 233001.	2.9	131
43	Non-resonant and resonant x-ray photo pumping of a dense neon gas with x-ray free-electron lasers. , 2011, , .		0
44	Multi Photon Physics at the LCLS. , 2011, , .		0
45	Femtosecond electronic response of atoms to ultra-intense X-rays. Nature, 2010, 466, 56-61.	13.7	711
46	Real-time observation of valence electron motion. Nature, 2010, 466, 739-743.	13.7	1,040
47	Design and measurement of a Cu L-edge x-ray filter for free electron laser pumped x-ray laser experiments. Review of Scientific Instruments, 2010, 81, 10E330.	0.6	0
48	Attosecond Transient Absorption Spectroscopy for Real-Time Observation of Valence Electron Motion. , 2010, , .		0
49	Pumping a photoionization atomic inner-shell x-ray laser by x-ray free-electron laser radiation. , 2009, , .		0
50	Multichannel coherence in strong-field ionization. Physical Review A, 2009, 79, .	1.0	105
51	Atomic inner-shell x-ray laser pumped by an x-ray free-electron laser. Physical Review A, 2009, 80, .	1.0	32
52	Above-threshold ionization in the x-ray regime. Physical Review A, 2009, 80, .	1.0	24
53	An atomic inner-shell laser pumped with an x-ray free-electron laser. Journal of Physics: Conference Series, 2009, 194, 012012.	0.3	2
54	Resonant Auger effect at high x-ray intensity. Physical Review A, 2008, 77, .	1.0	87

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55	Publisher's Note: Resonant Auger effect at high x-ray intensity [Phys. Rev. A77, 053404 (2008)]. Physical Review A, 2008, 77, .	1.0	4
56	X-ray nonlinear optical processes using a self-amplified spontaneous emission free-electron laser. Physical Review A, 2007, 76, .	1.0	153
57	Calculating state-to-state transition probabilities within time-dependent density-functional theory. Physical Review A, 2006, 74, .	1.0	27
58	Role of Many-Electron Dynamics in High Harmonic Generation. Physical Review Letters, 2006, 96, 223902.	2.9	87
59	Interaction of ultra-short laser pulses with clusters: short-time dynamics of a nano-plasma. AIP Conference Proceedings, 2006, , .	0.3	2
60	Laser-Cluster Interaction: X-Ray Production by Short Laser Pulses. Physical Review Letters, 2006, 96, 013203.	2.9	50
61	Configuration-interaction-based time-dependent orbital approach forab initiotreatment of electronic dynamics in a strong optical laser field. Physical Review A, 2006, 74, .	1.0	133
62	Cluster-laser interaction: fast production of hot electrons by short laser pulses. Nuclear Instruments & Methods in Physics Research B, 2005, 235, 210-215.	0.6	1
63	Bargmann representation for Landau levels in two dimensions. Journal of Physics A, 2003, 36, 4173-4190.	1.6	8