

François Mauger

List of Publications by Year in descending order

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36
papers

885
citations

516710

16
h-index

454955

30
g-index

36
all docs

36
docs citations

36
times ranked

620
citing authors

#	ARTICLE	IF	CITATIONS
1	Recollisions and Correlated Double Ionization with Circularly Polarized Light. <i>Physical Review Letters</i> , 2010, 105, 083002.	7.8	156
2	Circularly polarized molecular high harmonic generation using a bicircular laser. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 10LT01.	1.5	73
3	Strong Field Double Ionization: The Phase Space Perspective. <i>Physical Review Letters</i> , 2009, 102, 173002.	7.8	68
4	Attosecond Charge Migration with TDDFT: Accurate Dynamics from a Well-Defined Initial State. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3991-3996.	4.6	66
5	How Key Periodic Orbits Drive Recollisions in a Circularly Polarized Laser Field. <i>Physical Review Letters</i> , 2013, 110, 253002.	7.8	54
6	From Recollisions to the Knee: A Road Map for Double Ionization in Intense Laser Fields. <i>Physical Review Letters</i> , 2010, 104, 043005.	7.8	41
7	Angle dependence of strong-field single and double ionization of carbonyl sulfide. <i>Physical Review A</i> , 2018, 98, .	2.5	41
8	Circularly polarized harmonic generation by intense bicircular laser pulses: electron recollision dynamics and frequency dependent helicity. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 23LT01.	1.5	40
9	Angle-dependent strong-field molecular ionization rates with tuned range-separated time-dependent density functional theory. <i>Journal of Chemical Physics</i> , 2016, 145, 094105.	3.0	38
10	Molecular Modes of Attosecond Charge Migration. <i>Physical Review Letters</i> , 2021, 126, 133002.	7.8	38
11	Angle-dependent strong-field ionization of halomethanes. <i>Journal of Chemical Physics</i> , 2019, 151, 194308.	3.0	30
12	Quantum-classical correspondence in circularly polarized high harmonic generation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 041001.	1.5	23
13	Strong field double ionization: what is under the "knee"? <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 165602.	1.5	20
14	Recollision Scenario without Tunneling: Role of the Ionic Core Potential. <i>Physical Review Letters</i> , 2014, 112, 133003.	7.8	19
15	Mechanism of Delayed Double Ionization in a Strong Laser Field. <i>Physical Review Letters</i> , 2012, 108, 063001.	7.8	18
16	Charge migration and attosecond solitons in conjugated organic molecules. <i>Physical Review Research</i> , 2022, 4, .	3.6	17
17	Multidimensional molecular high-harmonic spectroscopy: A road map for charge migration studies. <i>Journal of Molecular Spectroscopy</i> , 2020, 372, 111353.	1.2	16
18	Probing the interplay between geometric and electronic-structure features via high-harmonic spectroscopy. <i>Journal of Chemical Physics</i> , 2019, 150, 184308.	3.0	14

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19	Dynamics of recollisions for the double ionization of atoms in intense laser fields. <i>Physical Review A</i> , 2010, 81, .	2.5	11
20	Strong field double ionization of H2: Insights from nonlinear dynamics. <i>Chemical Physics</i> , 2009, 366, 64-70.	1.9	10
21	Annular billiard dynamics in a circularly polarized strong laser field. <i>Physical Review E</i> , 2012, 85, 016204.	2.1	10
22	Electronic dynamics and frequency effects in circularly polarized strong-field physics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 191001.	1.5	10
23	Full Characterization of a Molecular Cooper Minimum Using High-Harmonic Spectroscopy. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1129.	2.5	10
24	High-harmonic spectroscopy of transient two-center interference calculated with time-dependent density-functional theory. <i>Structural Dynamics</i> , 2019, 6, 044101.	2.3	10
25	Semiclassical modeling of high-order harmonic generation driven by an elliptically polarized laser field: the role of recolliding periodic orbits. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 035601.	1.5	8
26	Wavelength and intensity dependence of recollision-enhanced multielectron effects in high-order harmonic generation. <i>Physical Review A</i> , 2018, 97, .	2.5	8
27	Semiclassical-wave-function perspective on high-harmonic generation. <i>Physical Review A</i> , 2016, 93, .	2.5	7
28	Controlling double ionization of atoms in an intense bichromatic laser pulse. <i>Physical Review E</i> , 2011, 83, 036211.	2.1	5
29	Delayed double ionization as a signature of Hamiltonian chaos. <i>Physical Review E</i> , 2012, 85, 066205.	2.1	5
30	Signature of charge migration in modulations of double ionization. <i>Physical Review A</i> , 2018, 97, .	2.5	5
31	Orbital-resolved calculations of two-center interferences in linear triatomic molecules. <i>Physical Review A</i> , 2021, 104, .	2.5	5
32	Characterizing particle-like charge-migration dynamics with high-order harmonic sideband spectroscopy. <i>Physical Review A</i> , 2022, 106, .	2.5	4
33	Simulated annealing algorithm for finding periodic orbits of multi-electron atomic systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011, 16, 2845-2852.	3.3	3
34	Variational formulation of classical and quantum models for intense laser pulse propagation. <i>Annals of Physics</i> , 2018, 399, 66-84.	2.8	1
35	Microcanonical initial distribution strategy for classical simulations in strong field physics. , 2013, , .		1
36	Molecules in Bichromatic Circularly Polarized Laser Pulses: Electron Recollision and Harmonic Generation. <i>Springer Series in Chemical Physics</i> , 2017, , 111-128.	0.2	0