

# C Figueira De Morisson Faria

## List of Publications by Year in descending order

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72  
papers

2,108  
citations

218677

26  
h-index

243625

44  
g-index

72  
all docs

72  
docs citations

72  
times ranked

811  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron-electron correlation in strong laser fields. <i>Journal of Modern Optics</i> , 2011, 58, 1076-1131.	1.3	179
2	High-order above-threshold ionization: The uniform approximation and the effect of the binding potential. <i>Physical Review A</i> , 2002, 66, .	2.5	124
3	Symphony on strong field approximation. <i>Reports on Progress in Physics</i> , 2019, 82, 116001.	20.1	123
4	Time evolution of non-Hermitian Hamiltonian systems. <i>Journal of Physics A</i> , 2006, 39, 9269-9289.	1.6	103
5	Electron-electron dynamics in laser-induced nonsequential double ionization. <i>Physical Review A</i> , 2004, 69, .	2.5	83
6	Nonsequential Double Ionization with Few-Cycle Laser Pulses. <i>Physical Review Letters</i> , 2004, 92, 133006.	7.8	80
7	It is all about phases: ultrafast holographic photoelectron imaging. <i>Reports on Progress in Physics</i> , 2020, 83, 034401.	20.1	74
8	Phase-dependent effects in bichromatic high-order harmonic generation. <i>Physical Review A</i> , 2000, 61, .	2.5	60
9	Influence of the Coulomb potential on above-threshold ionization: A quantum-orbit analysis beyond the strong-field approximation. <i>Physical Review A</i> , 2015, 92, .	2.5	59
10	Coulomb-corrected quantum interference in above-threshold ionization: Working towards multitrajjectory electron holography. <i>Physical Review A</i> , 2017, 96, .	2.5	57
11	Controlling Below-Threshold Nonsequential Double Ionization via Quantum Interference. <i>Physical Review Letters</i> , 2016, 116, 143001.	7.8	56
12	Time-frequency analysis of two-color high-harmonic generation. <i>Physical Review A</i> , 1999, 60, 1377-1384.	2.5	54
13	Classical and quantum-mechanical treatments of nonsequential double ionization with few-cycle laser pulses. <i>Physical Review A</i> , 2004, 70, .	2.5	52
14	Laser-induced nonsequential double ionization at and above the recollision-excitation-tunneling threshold. <i>Physical Review A</i> , 2010, 81, .	2.5	52
15	High-order harmonic generation in diatomic molecules: A quantum-orbit analysis of the interference patterns. <i>Physical Review A</i> , 2007, 76, .	2.5	44
16	Interference effects in above-threshold ionization from diatomic molecules: Determining the internuclear separation. <i>Physical Review A</i> , 2007, 76, .	2.5	40
17	Importance of excited bound states in harmonic generation. <i>Physical Review A</i> , 1998, 58, 2990-2999.	2.5	38
18	Near-threshold photoelectron holography beyond the strong-field approximation. <i>Physical Review A</i> , 2017, 96, .	2.5	37

#	ARTICLE	IF	CITATIONS
19	Molecular high-order harmonic generation with more than one active orbital: Quantum interference effects. <i>Physical Review A</i> , 2010, 81, .	2.5	36
20	Local dynamics in high-order-harmonic generation using Bohmian trajectories. <i>Physical Review A</i> , 2013, 88, .	2.5	35
21	Time profile of harmonic generation. <i>Physical Review A</i> , 1997, 55, 3961-3963.	2.5	33
22	Attosecond electron thermalization by laser-driven electron recollision in atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, L305-L311.	1.5	33
23	HIGH-ORDER HARMONIC GENERATION IN DIATOMIC MOLECULES: QUANTUM INTERFERENCE, NODAL STRUCTURES AND MULTIPLE ORBITALS. <i>Modern Physics Letters B</i> , 2012, 26, 1130002.	1.9	29
24	Isospectral Hamiltonians from Moyal products. <i>European Physical Journal D</i> , 2006, 56, 899-908.	0.4	28
25	Bohmian-trajectory analysis of high-order-harmonic generation: Ensemble averages, nonlocality, and quantitative aspects. <i>Physical Review A</i> , 2013, 88, .	2.5	28
26	Coulomb-free and Coulomb-distorted recolliding quantum orbits in photoelectron holography. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 124001.	1.5	28
27	Quantum and semiclassical phase-space dynamics of a wave packet in strong fields using initial-value representations. <i>New Journal of Physics</i> , 2014, 16, 103040.	2.9	26
28	Time-delayed nonsequential double ionization with few-cycle laser pulses: Importance of the carrier-envelope phase. <i>Physical Review A</i> , 2012, 86, .	2.5	25
29	Bound-state corrections in laser-induced nonsequential double ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 3251-3271.	1.5	24
30	Analytic quantum-interference conditions in Coulomb corrected photoelectron holography. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 044004.	1.5	23
31	Quantum interference in time-delayed nonsequential double ionization. <i>Physical Review A</i> , 2015, 92, .	2.5	22
32	High-order harmonic generation with a strong laser field and an attosecond-pulse train: The Dirac-Delta comb and monochromatic limits. <i>Laser Physics</i> , 2007, 17, 390-400.	1.2	21
33	Quantum interference in laser-induced nonsequential double ionization in diatomic molecules: Role of alignment and orbital symmetry. <i>Physical Review A</i> , 2008, 78, .	2.5	21
34	Treating branch cuts in quantum trajectory models for photoelectron holography. <i>Physical Review A</i> , 2018, 98, .	2.5	21
35	Controlling high-order harmonic generation and above-threshold ionization with an attosecond-pulse train. <i>Physical Review A</i> , 2006, 74, .	2.5	20
36	High-order harmonic generation from a confined atom. <i>Physical Review A</i> , 2000, 62, .	2.5	19

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37	Enhancement of bichromatic high-order-harmonic generation with a high-frequency field. <i>Physical Review A</i> , 2001, 64, .	2.5	19
38	Laser-induced nonsequential double ionization: kinematic constraints for the recollision-excitation-tunneling mechanism. <i>Journal of Modern Optics</i> , 2010, 57, 984-991.	1.3	19
39	Influence of asymmetry and nodal structures on high-harmonic generation in heteronuclear molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 055601.	1.5	19
40	Multielectron corrections in molecular high-order harmonic generation for different formulations of the strong-field approximation. <i>Journal of Modern Optics</i> , 2011, 58, 1173-1187.	1.3	18
41	Temporal and spatial interference in molecular above-threshold ionization with elliptically polarized fields. <i>Physical Review A</i> , 2013, 88, .	2.5	18
42	Holographic detection of parity in atomic and molecular orbitals. <i>Physical Review A</i> , 2020, 102, .	2.5	18
43	Spiral-like holographic structures: Unwinding interference carpets of Coulomb-distorted orbits in strong-field ionization. <i>Physical Review A</i> , 2020, 102, .	2.5	16
44	Manipulating twisted electrons in strong-field ionization. <i>Faraday Discussions</i> , 2021, 228, 394-412.	3.2	16
45	High-order-harmonic generation from diatomic molecules in driving fields with nonvanishing ellipticity: A generalized interference condition. <i>Physical Review A</i> , 2013, 88, .	2.5	14
46	Coupled-coherent-states approach for high-order harmonic generation. <i>Physical Review A</i> , 2015, 91, .	2.5	14
47	Excitation two-center interference and the orbital geometry in laser-induced nonsequential double ionization of diatomic molecules. <i>Physical Review A</i> , 2011, 84, .	2.5	13
48	Causality and quantum interference in time-delayed laser-induced nonsequential double ionization. <i>Physical Review A</i> , 2012, 85, .	2.5	12
49	Dissecting subcycle interference in photoelectron holography. <i>Physical Review A</i> , 2021, 104, .	2.5	12
50	Conservation laws for electron vortices in strong-field ionisation. <i>European Physical Journal D</i> , 2021, 75, 199.	1.3	11
51	Classical aspects of laser-induced non-sequential double ionization above and below the threshold. <i>Journal of Modern Optics</i> , 2006, 53, 193-206.	1.3	8
52	Second harmonic generation: the solution for an amplitude-modulated initial pulse. <i>Optics Communications</i> , 1998, 150, 363-371.	2.1	7
53	Existence criteria for stabilization from the scaling behaviour of ionization probabilities. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, 1675-1685.	1.5	7
54	Nonsequential double ionization with polarization-gated pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 134008.	1.5	7

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55	One and two-center processes in high-order harmonic generation in diatomic molecules: Influence of the internuclear separation. <i>Laser Physics</i> , 2009, 19, 797-804.	1.2	7
56	Quantum bridges in phase space: interference and nonclassicality in strong-field enhanced ionisation. <i>New Journal of Physics</i> , 2019, 21, 123004.	2.9	7
57	Attosecond electron thermalization in laser-induced nonsequential multiple ionization: hard versus glancing collisions. <i>New Journal of Physics</i> , 2008, 10, 025010.	2.9	6
58	Optimal pulse for orbital reconstruction from ionization maps in aligned molecules. <i>Journal of Modern Optics</i> , 2011, 58, 1166-1172.	1.3	6
59	Polarization in strong-field ionization of excited helium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021, 54, 194002.	1.5	6
60	Laser-induced nonsequential double ionization in diatomic molecules: one- and two-centre rescattering scenarios. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 105602.	1.5	5
61	Different time scales in plasmonically enhanced high-order-harmonic generation. <i>Physical Review A</i> , 2016, 93, .	2.5	5
62	Alternative quantisation condition for wavepacket dynamics in a hyperbolic double well. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 035304.	2.1	5
63	Relativistic treatment of harmonics from impurity systems in quantum wires. <i>Physical Review B</i> , 2003, 67, .	3.2	4
64	Extracting an electron's angle of return from shifted interference patterns in macroscopic high-order-harmonic spectra of diatomic molecules. <i>Physical Review A</i> , 2015, 92, .	2.5	4
65	Quantum estimation in strong fields: <i>in situ</i> ponderomotive sensing. <i>Physical Review A</i> , 2021, 103, .	2.5	4
66	Attoscience in phase space. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	4
67	Exploring symmetries in photoelectron holography with two-color linearly polarized fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2022, 55, 165601.	1.5	4
68	Shifting nodal-plane suppressions in high-order-harmonic spectra from diatomic molecules in orthogonally polarized driving fields. <i>Physical Review A</i> , 2016, 94, .	2.5	3
69	Speed-up and slow-down collisions in laser-induced non-sequential multiple ionization. <i>Journal of Modern Optics</i> , 2007, 54, 1107-1125.	1.3	2
70	The inverse problem for second harmonic generation with amplitude-modulated pulses. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 276, 267-271.	2.1	1
71	Introduction to Special Issue on Advances in Strong Field and Attosecond Physics. <i>Journal of Modern Optics</i> , 2011, 58, 1074-1075.	1.3	0
72	The Inbetweeners - Beyond Born-Type Methods. , 2021, , .		0