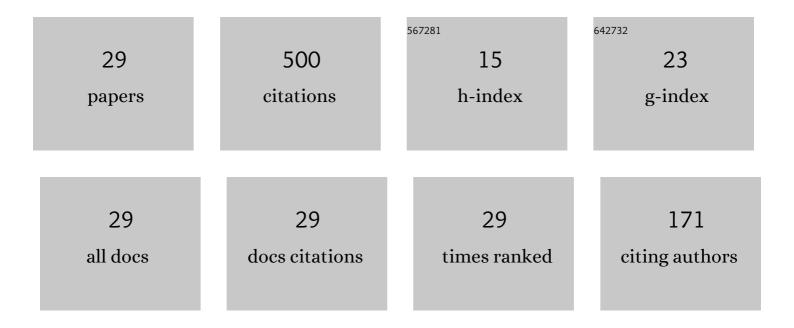
## **Carlos O Reinhold**

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Above-surface neutralization of slow highly charged ions in front of ionic crystals. Physical Review A, 1997, 55, 2097-2108.	2.5	74
2	Theory of thel-state population of Rydberg states formed in ion-solid collisions. Physical Review A, 1991, 44, 2993-3000.	2.5	44
3	Theoretical description of fast kinetic electron emission in ion-surface collisions. Physical Review A, 1997, 55, 450-465.	2.5	38
4	Electron loss at backward observation angles. Physical Review A, 1991, 44, 7243-7251.	2.5	34
5	Rainbow Scattering of Convoy Electrons near Surfaces. Physical Review Letters, 1994, 73, 2508-2511.	7.8	33
6	Liouville master equation for multielectron dynamics: Neutralization of highly charged ions near a LiF surface. Physical Review A, 2003, 67, .	2.5	30
7	Simulation of convoy-electron emission. Physical Review A, 1992, 45, R2655-R2658.	2.5	25
8	Simulation of excited-state formation of hydrogen in transmission of relativisticHâ^ions through thin foils. Physical Review A, 1996, 53, 3189-3200.	2.5	23
9	Quantum-trajectory Monte Carlo method for internal-state evolution of fast ions traversing amorphous solids. Physical Review A, 2003, 67, .	2.5	23
10	Electron-electron interaction and two-center effects in projectile ionization at backward emission angles. Physical Review A, 1992, 45, 4507-4518.	2.5	20
11	Classical and quantum dynamics of the impulsively driven hydrogen atom. Nuclear Instruments & Methods in Physics Research B, 1993, 79, 109-113.	1.4	20
12	Semiclassical theory of elastic electron-atom scattering. Physical Review A, 1995, 51, 1248-1252.	2.5	20
13	Quantum localization in the three-dimensional kicked Rydberg atom. Physical Review A, 2003, 68, .	2.5	19
14	Electron capture and electron transport by fast ions penetrating solids: An open quantum system approach with sources and sinks. Physical Review A, 2007, 75, .	2.5	18
15	Interference oscillations in ionization of extreme Stark states by half-cycle pulses. Physical Review A, 1995, 51, R3410-R3413.	2.5	17
16	Quantum transport of the internal state ofKr35+ions through amorphous carbon foils. Physical Review A, 2002, 65, .	2.5	11
17	Coherence parameters for charge transfer in collisions of protons with helium calculated using a hybrid numerical approach. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 4025-4036.	1.5	11
18	Nonunitary quantum trajectory Monte Carlo method for open quantum systems. Physical Review A, 2005. 71	2.5	8

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#	Article	IF	CITATIONS
19	Vertical incidence of slow Ne10+ ions on an LiF surface: Suppression of the trampoline effect. Nuclear Instruments & Methods in Physics Research B, 2001, 182, 36-40.	1.4	7
20	Quantum localization in the high-frequency limit. Physical Review A, 2002, 66, .	2.5	7
21	Interaction of highly charged ions with insulator surfaces at low velocities: Estimates for Auger rates. Nuclear Instruments & Methods in Physics Research B, 2003, 205, 690-699.	1.4	6
22	Multi-electron dynamics for neutralization of highly charged ions near surfaces. Vacuum, 2004, 73, 3-7.	3.5	6
23	High l-state population in O7+ produced in ion—solid collisions. Nuclear Instruments & Methods in Physics Research B, 1992, 67, 168-171.	1.4	2
24	Occupation of fine-structure states in electron capture and transport. Physical Review A, 2008, 77, .	2.5	2
25	Transport of fast electrons near surfaces. Nuclear Instruments & Methods in Physics Research B, 1996, 115, 233-236.	1.4	1
26	Evidence of collisional coherences in the transport of hydrogenic krypton through amorphous carbon foils. Nuclear Instruments & Methods in Physics Research B, 2002, 193, 79-84.	1.4	1
27	Convoy electron emission from surfaces. Nuclear Instruments & Methods in Physics Research B, 1995, 99, 50-53.	1.4	0
28	Simulation of fast electron emission from surfaces. Nuclear Instruments & Methods in Physics Research B, 1995, 100, 378-382.	1.4	0
29	Solid-state effects in electron emission from atomic collisions near surfaces. Nuclear Instruments & Methods in Physics Research B 1997 124 320-326	1.4	Ο