

# Carlos O Reinhold

## List of Publications by Year in descending order

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29  
papers

500  
citations

567281

15  
h-index

642732

23  
g-index

29  
all docs

29  
docs citations

29  
times ranked

171  
citing authors

#	ARTICLE	IF	CITATIONS
1	Occupation of fine-structure states in electron capture and transport. <i>Physical Review A</i> , 2008, 77, .	2.5	2
2	Electron capture and electron transport by fast ions penetrating solids: An open quantum system approach with sources and sinks. <i>Physical Review A</i> , 2007, 75, .	2.5	18
3	Nonunitary quantum trajectory Monte Carlo method for open quantum systems. <i>Physical Review A</i> , 2005, 71, .	2.5	8
4	Coherence parameters for charge transfer in collisions of protons with helium calculated using a hybrid numerical approach. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, 4025-4036.	1.5	11
5	Multi-electron dynamics for neutralization of highly charged ions near surfaces. <i>Vacuum</i> , 2004, 73, 3-7.	3.5	6
6	Quantum-trajectory Monte Carlo method for internal-state evolution of fast ions traversing amorphous solids. <i>Physical Review A</i> , 2003, 67, .	2.5	23
7	Interaction of highly charged ions with insulator surfaces at low velocities: Estimates for Auger rates. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2003, 205, 690-699.	1.4	6
8	Quantum localization in the three-dimensional kicked Rydberg atom. <i>Physical Review A</i> , 2003, 68, .	2.5	19
9	Liouville master equation for multielectron dynamics: Neutralization of highly charged ions near a LiF surface. <i>Physical Review A</i> , 2003, 67, .	2.5	30
10	Quantum transport of the internal state of Kr <sup>35+</sup> ions through amorphous carbon foils. <i>Physical Review A</i> , 2002, 65, .	2.5	11
11	Quantum localization in the high-frequency limit. <i>Physical Review A</i> , 2002, 66, .	2.5	7
12	Evidence of collisional coherences in the transport of hydrogenic krypton through amorphous carbon foils. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2002, 193, 79-84.	1.4	1
13	Vertical incidence of slow Ne <sup>10+</sup> ions on an LiF surface: Suppression of the trampoline effect. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2001, 182, 36-40.	1.4	7
14	Above-surface neutralization of slow highly charged ions in front of ionic crystals. <i>Physical Review A</i> , 1997, 55, 2097-2108.	2.5	74
15	Theoretical description of fast kinetic electron emission in ion-surface collisions. <i>Physical Review A</i> , 1997, 55, 450-465.	2.5	38
16	Solid-state effects in electron emission from atomic collisions near surfaces. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1997, 124, 320-326.	1.4	0
17	Transport of fast electrons near surfaces. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1996, 115, 233-236.	1.4	1
18	Simulation of excited-state formation of hydrogen in transmission of relativistic H <sup>+</sup> ions through thin foils. <i>Physical Review A</i> , 1996, 53, 3189-3200.	2.5	23

#	ARTICLE	IF	CITATIONS
19	Convoy electron emission from surfaces. Nuclear Instruments & Methods in Physics Research B, 1995, 99, 50-53.	1.4	0
20	Simulation of fast electron emission from surfaces. Nuclear Instruments & Methods in Physics Research B, 1995, 100, 378-382.	1.4	0
21	Semiclassical theory of elastic electron-atom scattering. Physical Review A, 1995, 51, 1248-1252.	2.5	20
22	Interference oscillations in ionization of extreme Stark states by half-cycle pulses. Physical Review A, 1995, 51, R3410-R3413.	2.5	17
23	Rainbow Scattering of Convoy Electrons near Surfaces. Physical Review Letters, 1994, 73, 2508-2511.	7.8	33
24	Classical and quantum dynamics of the impulsively driven hydrogen atom. Nuclear Instruments & Methods in Physics Research B, 1993, 79, 109-113.	1.4	20
25	Electron-electron interaction and two-center effects in projectile ionization at backward emission angles. Physical Review A, 1992, 45, 4507-4518.	2.5	20
26	Simulation of convoy-electron emission. Physical Review A, 1992, 45, R2655-R2658.	2.5	25
27	High l-state population in O <sup>7+</sup> produced in ion-atom solid collisions. Nuclear Instruments & Methods in Physics Research B, 1992, 67, 168-171.	1.4	2
28	Theory of the l-state population of Rydberg states formed in ion-solid collisions. Physical Review A, 1991, 44, 2993-3000.	2.5	44
29	Electron loss at backward observation angles. Physical Review A, 1991, 44, 7243-7251.	2.5	34