

# Victor Franco

## List of Publications by Year in descending order

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51  
papers

1,615  
citations

331538

21  
h-index

289141

40  
g-index

51  
all docs

51  
docs citations

51  
times ranked

208  
citing authors

#	ARTICLE	IF	CITATIONS
1	Glauber Theory of Atomic-Hydrogen Excitation by Electron Impact. Physical Review A, 1970, 1, 1819-1835.	1.0	161
2	Diffraction Theory of Scattering by Hydrogen Atoms. Physical Review Letters, 1968, 20, 709-712.	2.9	143
3	Effect of Quadrupole Deformation on High-Energy Scattering by Deuterons. Physical Review Letters, 1969, 22, 370-374.	2.9	94
4	High-Energy Deuteron Cross Sections: Charge-Exchange Effects. Physical Review, 1967, 156, 1685-1697.	2.7	91
5	High-Energy Nucleus-Nucleus Collisions. I. General Theory and Applications to Deuteron-Deuteron Scattering. Physical Review, 1968, 175, 1376-1393.	2.7	85
6	Collisions between composite particles at medium and high energies. Physical Review C, 1978, 18, 349-370.	1.1	79
7	Double Scattering in High-Energy Elastic Collisions with Deuterons. Physical Review Letters, 1966, 17, 827-830.	2.9	76
8	Elastic and Inelastic Scattering of Protons by Hydrogen Atoms. Physical Review A, 1971, 4, 945-954.	1.0	76
9	Scattering of Charged Particles by Helium Atoms. Physical Review A, 1970, 1, 1705-1708.	1.0	51
10	Scattering of Charged Particles by Atoms. Physical Review Letters, 1971, 26, 1088-1091.	2.9	49
11	Glauber approximation for the excitation of hydrogenlike ions by structureless charged particles. I. Physical Review A, 1976, 13, 2004-2022.	1.0	45
12	Small-Angle High-Energy Scattering by Deuterons. Physical Review Letters, 1966, 16, 944-947.	2.9	43
13	Scattering of Protons by Deuterium and Helium. Physical Review Letters, 1968, 21, 1360-1364.	2.9	43
14	Elastic Scattering of $\pm$ Particles and the Phase of the Nucleon-Nucleon Scattering Amplitude. Physical Review Letters, 1985, 55, 1059-1061.	2.9	43
15	Electron-Deuteron Scattering and Two-Photon Exchange. Physical Review D, 1973, 8, 826-828.	1.6	40
16	Coulomb effects in hadron-nucleus and nucleus-nucleus collisions and the hadron-neutron amplitude. Physical Review C, 1975, 12, 225-242.	1.1	38
17	Possible Nonadditivity of Quark amplitudes in High-Energy Cross Sections. Physical Review Letters, 1967, 18, 1159-1162.	2.9	36
18	Elastic collisions between light nuclei and the phase variation of the nucleon-nucleon scattering amplitude. Physical Review C, 1986, 34, 608-618.	1.1	36

#	ARTICLE	IF	CITATIONS
19	Excitation of Helium by Electron Impact. <i>Physical Review A</i> , 1973, 8, 2927-2937.	1.0	33
20	High-Energy Neutron-Nuclei Total Cross Sections. <i>Physical Review C</i> , 1972, 6, 748-757.	1.1	24
21	Eikonal exchange amplitudes. <i>Physical Review A</i> , 1980, 21, 1118-1123.	1.0	24
22	Nuclear Collisions and Factorization. <i>Physical Review Letters</i> , 1974, 32, 911-913.	2.9	20
23	Hadron-Nucleus Total Cross Sections. <i>Physical Review Letters</i> , 1970, 24, 1452-1455.	2.9	18
24	Nucleus-nucleus scattering at high energies. <i>Physical Review C</i> , 1977, 15, 1375-1378.	1.1	18
25	High-energy heavy-ion scattering and the optical phase shift function. <i>Physical Review C</i> , 1977, 16, 658-664.	1.1	18
26	Qualitative Aspects of Neutron-Nuclear Interactions and the Optical Model. <i>Physical Review</i> , 1965, 140, B1501-B1512.	2.7	17
27	Pion-nucleus scattering at high energies. <i>Physical Review C</i> , 1990, 41, 1075-1080.	1.1	17
28	Hadron-Neutron Forward Elastic Scattering Amplitude and Hadron-Deuteron Collisions. <i>Physical Review Letters</i> , 1974, 33, 44-47.	2.9	16
29	Double charge exchange scattering of pions by $O^{18}$ . <i>Physical Review C</i> , 1975, 11, 760-771.	1.1	16
30	Coulomb-Nuclear Interference. <i>Physical Review D</i> , 1973, 7, 215-217.	1.6	15
31	Elastic scattering of deuterons by carbon. <i>Physical Review C</i> , 1977, 15, 813-817.	1.1	15
32	Effects of the Coulomb Field on Scattering by Deuterium. <i>Physical Review Letters</i> , 1971, 27, 1541-1544.	2.9	14
33	Spin and isospin effects in $^3He$ scattering. <i>Physical Review C</i> , 1974, 9, 1690-1693.	1.1	12
34	Collisions between ions or atoms and atomic hydrogen. <i>Physical Review A</i> , 1979, 20, 2297-2301.	1.0	12
35	First-order correction to Glauber approximation for electron-hydrogen and positron-hydrogen scattering. <i>Physical Review A</i> , 1982, 25, 1900-1904.	1.0	11
36	Quark model for nucleus-nucleus collisions. <i>Physical Review C</i> , 1987, 35, 1328-1333.	1.1	11

#	ARTICLE	IF	CITATIONS
37	Pauli correlations in heavy-ion collisions at high energies. Nuclear Physics A, 1977, 292, 506-522.	0.6	9
38	Excitation of Atomic Hydrogen to then=2State by Helium Ions. Physical Review Letters, 1979, 42, 759-762.	2.9	8
39	Collisions between hydrogen atoms and helium ions. Physical Review A, 1980, 22, 937-939.	1.0	8
40	Approximate Eikonal Exchange Amplitudes. Physical Review Letters, 1981, 46, 714-716.	2.9	8
41	Small-angle scattering of ions or atoms by atomic hydrogen. Physical Review A, 1982, 25, 1358-1363.	1.0	7
42	Optical model for medium and high energy hadron-nucleus collisions. Physical Review C, 1988, 37, 1097-1103.	1.1	7
43	Short range correlations in high energy heavy ion collisions. Physical Review C, 1978, 17, 1347-1358.	1.1	6
44	Theory of direct scattering of neutral and charged atoms. Physical Review A, 1979, 20, 1327-1343.	1.0	5
45	Collisions between atomic systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 1979, 71, 29-32.	0.9	5
46	First-order eikonal exchange amplitudes. Physical Review A, 1982, 26, 2482-2496.	1.0	5
47	Extracting Hadron-Neutron Scattering Amplitudes from Hadron-Proton and Hadron-Deuteron Measurements. Physical Review Letters, 1977, 38, 188-191.	2.9	3
48	Multiple scattering and charged-particle-hydrogen-atom collisions. Physical Review A, 1979, 20, 759-765.	1.0	3
49	Partial wave decomposition of the Glauber amplitude for the elastic scattering of structureless charged particles by atomic hydrogen. Journal of Mathematical Physics, 1986, 27, 953-965.	0.5	1
50	Coulomb plus spin-orbit scattering for two spin-1/2 particles in the Glauber approximation. Physical Review C, 1981, 24, 206-210.	1.1	0
51	Multiple-scattering effects in electron-nucleus collisions. Physical Review C, 1986, 33, 1120-1123.	1.1	0