

Victor Franco

List of Publications by Year in descending order

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51
papers

1,615
citations

331670
21
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289244
40
g-index

51
all docs

51
docs citations

51
times ranked

208
citing authors

#	ARTICLE	IF	CITATIONS
1	Pion-nucleus scattering at high energies. Physical Review C, 1990, 41, 1075-1080.	2.9	17
2	Optical model for medium and high energy hadron-nucleus collisions. Physical Review C, 1988, 37, 1097-1103.	2.9	7
3	Quark model for nucleus-nucleus collisions. Physical Review C, 1987, 35, 1328-1333.	2.9	11
4	Multiple-scattering effects in electron-nucleus collisions. Physical Review C, 1986, 33, 1120-1123.	2.9	0
5	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.	1.1	1
6	Elastic collisions between light nuclei and the phase variation of the nucleon-nucleon scattering amplitude. Physical Review C, 1986, 34, 608-618.	2.9	36
7	Elastic Scattering of π^\pm Particles and the Phase of the Nucleon-Nucleon Scattering Amplitude. Physical Review Letters, 1985, 55, 1059-1061.	7.8	43
8	First-order eikonal exchange amplitudes. Physical Review A, 1982, 26, 2482-2496.	2.5	5
9	Small-angle scattering of ions or atoms by atomic hydrogen. Physical Review A, 1982, 25, 1358-1363.	2.5	7
10	First-order correction to Glauber approximation for electron-hydrogen and positron-hydrogen scattering. Physical Review A, 1982, 25, 1900-1904.	2.5	11
11	Coulomb plus spin-orbit scattering for two spin-1/2 particles in the Glauber approximation. Physical Review C, 1981, 24, 206-210.	2.9	0
12	Approximate Eikonal Exchange Amplitudes. Physical Review Letters, 1981, 46, 714-716.	7.8	8
13	Collisions between hydrogen atoms and helium ions. Physical Review A, 1980, 22, 937-939.	2.5	8
14	Eikonal exchange amplitudes. Physical Review A, 1980, 21, 1118-1123.	2.5	24
15	Collisions between ions or atoms and atomic hydrogen. Physical Review A, 1979, 20, 2297-2301.	2.5	12
16	Theory of direct scattering of neutral and charged atoms. Physical Review A, 1979, 20, 1327-1343.	2.5	5
17	Excitation of Atomic Hydrogen to the $n=2$ State by Helium Ions. Physical Review Letters, 1979, 42, 759-762.	7.8	8
18	Multiple scattering and charged-particle-hydrogen-atom collisions. Physical Review A, 1979, 20, 759-765.	2.5	3

#	ARTICLE	IF	CITATIONS
19	Collisions between atomic systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 1979, 71, 29-32.	2.1	5
20	Short range correlations in high energy heavy ion collisions. Physical Review C, 1978, 17, 1347-1358.	2.9	6
21	Collisions between composite particles at medium and high energies. Physical Review C, 1978, 18, 349-370.	2.9	79
22	Nucleus-nucleus scattering at high energies. Physical Review C, 1977, 15, 1375-1378.	2.9	18
23	High-energy heavy-ion scattering and the optical phase shift function. Physical Review C, 1977, 16, 658-664.	2.9	18
24	Extracting Hadron-Neutron Scattering Amplitudes from Hadron-Proton and Hadron-Deuteron Measurements. Physical Review Letters, 1977, 38, 188-191.	7.8	3
25	Elastic scattering of deuterons by carbon. Physical Review C, 1977, 15, 813-817.	2.9	15
26	Pauli correlations in heavy-ion collisions at high energies. Nuclear Physics A, 1977, 292, 506-522.	1.5	9
27	Glauber approximation for the excitation of hydrogenlike ions by structureless charged particles. I. Physical Review A, 1976, 13, 2004-2022.	2.5	45
28	Coulomb effects in hadron-nucleus and nucleus-nucleus collisions and the hadron-neutron amplitude. Physical Review C, 1975, 12, 225-242.	2.9	38
29	Double charge exchange scattering of pions by O^{18} . Physical Review C, 1975, 11, 760-771.	2.9	16
30	Nuclear Collisions and Factorization. Physical Review Letters, 1974, 32, 911-913.	7.8	20
31	Hadron-Neutron Forward Elastic Scattering Amplitude and Hadron-Deuteron Collisions. Physical Review Letters, 1974, 33, 44-47.	7.8	16
32	Spin and isospin effects in 4He scattering. Physical Review C, 1974, 9, 1690-1693.	2.9	12
33	Coulomb-Nuclear Interference. Physical Review D, 1973, 7, 215-217.	4.7	15
34	Excitation of Helium by Electron Impact. Physical Review A, 1973, 8, 2927-2937.	2.5	33
35	Electron-Deuteron Scattering and Two-Photon Exchange. Physical Review D, 1973, 8, 826-828.	4.7	40
36	High-Energy Neutron-Nuclei Total Cross Sections. Physical Review C, 1972, 6, 748-757.	2.9	24

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37	Effects of the Coulomb Field on Scattering by Deuterium. Physical Review Letters, 1971, 27, 1541-1544.	7.8	14
38	Scattering of Charged Particles by Atoms. Physical Review Letters, 1971, 26, 1088-1091.	7.8	49
39	Elastic and Inelastic Scattering of Protons by Hydrogen Atoms. Physical Review A, 1971, 4, 945-954.	2.5	76
40	Scattering of Charged Particles by Helium Atoms. Physical Review A, 1970, 1, 1705-1708.	2.5	51
41	Hadron-Nucleus Total Cross Sections. Physical Review Letters, 1970, 24, 1452-1455.	7.8	18
42	Glauber Theory of Atomic-Hydrogen Excitation by Electron Impact. Physical Review A, 1970, 1, 1819-1835.	2.5	161
43	Effect of Quadrupole Deformation on High-Energy Scattering by Deuterons. Physical Review Letters, 1969, 22, 370-374.	7.8	94
44	Diffraction Theory of Scattering by Hydrogen Atoms. Physical Review Letters, 1968, 20, 709-712.	7.8	143
45	Scattering of Protons by Deuterium and Helium. Physical Review Letters, 1968, 21, 1360-1364.	7.8	43
46	High-Energy Nucleus-Nucleus Collisions. I. General Theory and Applications to Deuteron-Deuteron Scattering. Physical Review, 1968, 175, 1376-1393.	2.7	85
47	Possible Nonadditivity of Quark amplitudes in High-Energy Cross Sections. Physical Review Letters, 1967, 18, 1159-1162.	7.8	36
48	High-Energy Deuteron Cross Sections: Charge-Exchange Effects. Physical Review, 1967, 156, 1685-1697.	2.7	91
49	Double Scattering in High-Energy Elastic Collisions with Deuterons. Physical Review Letters, 1966, 17, 827-830.	7.8	76
50	Small-Angle High-Energy Scattering by Deuterons. Physical Review Letters, 1966, 16, 944-947.	7.8	43
51	Qualitative Aspects of Neutron-Nuclear Interactions and the Optical Model. Physical Review, 1965, 140, B1501-B1512.	2.7	17