

# Alex

## List of Publications by Year in descending order

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63  
papers

643  
citations

471509

17  
h-index

610901

24  
g-index

64  
all docs

64  
docs citations

64  
times ranked

237  
citing authors

#	ARTICLE	IF	CITATIONS
1	Top-Bottom Condensation Model: Symmetries and Spectrum of the Induced 2HDM. Symmetry, 2021, 13, 1130.	2.2	1
2	Quark Mass Effects in the Thermodynamical Properties of an Extended (P)NJL Model. , 2019, , .		0
3	Thermodynamical properties of strongly interacting matter in a model with explicit chiral symmetry breaking interactions. Physical Review D, 2018, 98, .	4.7	5
4	$\chi$ -mixing in a generalized multiquark interaction scheme. Physical Review D, 2016, 93, .	4.7	10
5	Light Quark Mass Differences in the $\pi^0$ - $\eta$ - $\eta'$ System. Acta Physica Polonica B, Proceedings Supplement, 2016, 9, 413.	0.1	1
6	PANEL DISCUSSION VII: COSMOLOGY. , 2015, , .		0
7	ON THE AVERAGE THERMAL EVOLUTION OF THE UNIVERSE. , 2015, , .		0
8	Nonuniform phases in a three-flavor Nambu-Jona-Lasinio model. Physical Review D, 2014, 89, .	4.7	17
9	Light quark masses in multi-quark interactions. European Physical Journal A, 2013, 49, 1.	2.5	22
10	Effective multiquark interactions with explicit breaking of chiral symmetry. Physical Review D, 2013, 88, .	4.7	20
11	Susceptibilities in the PNJL Model with 8-Quark Interactions and Comparison with IQCD. Acta Physica Polonica B, Proceedings Supplement, 2013, 6, 457.	0.1	0
12	Role of Current Quark Mass Dependent Multi-quark Interactions in Low Lying Meson Mass Spectra. Acta Physica Polonica B, Proceedings Supplement, 2013, 6, 757.	0.1	0
13	THERMODYNAMIC POTENTIAL WITH CORRECT ASYMPTOTICS FOR PNJL MODEL. International Journal of Modern Physics A, 2012, 27, 1250060.	1.5	20
14	Title is missing!. Acta Physica Polonica B, Proceedings Supplement, 2012, 5, 1171.	0.1	2
15	Fluctuations of the Metric Tensor: On Fermion Propagators and on the Cosmological Constant. International Journal of Theoretical and Mathematical Physics, 2012, 2, 61-66.	0.2	0
16	Eight-quark interactions as a chiral thermometer. Indian Journal of Physics, 2011, 85, 813-818.	1.8	0
17	The Polyakov-Nambu-Jona-Lasinio model with six and eight quark interactions. , 2011, , .		0
18	Application of Quantum Darwinism to Cosmic Inflation: An Example of the Limits Imposed in Aristotelian Logic by Information-based Approach to Gödel's Incompleteness. Foundations of Science, 2010, 15, 199-211.	0.7	2

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19	The phase diagram in the SU(3) Nambu-Jona-Lasinio model with $\hat{\alpha}^{\text{TM}}$ Hooft and eight-quark interactions. , 2010, , .		2
20	Phase diagram for the Nambu-Jona-Lasinio model with $\hat{\alpha}^{\text{TM}}$ Hooft and eight-quark interactions. Physical Review D, 2010, 81, .	4.7	30
21	Quadrupole polarizabilities of the pion in the Nambu-Jona-Lasinio model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 681, 147-150.	4.1	3
22	OZI violating eight-quark interactions as a thermometer for chiral transitions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 659, 270-274.	4.1	23
23	Dispersion and uncertainty in multislit matter wave diffraction. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 1485-1490.	2.6	9
24	Effects of Quark Interactions on Dynamical Chiral Symmetry Breaking by a Magnetic Field. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2008, , .	0.5	5
25	Stable Multiquark Interactions. AIP Conference Proceedings, 2007, , .	0.4	0
26	Effects of eight-quark interactions on the hadronic vacuum and mass spectra of light mesons. Annals of Physics, 2007, 322, 2021-2054.	2.8	56
27	Lowering the critical temperature with eight-quark interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 646, 91-94.	4.1	31
28	Dynamical chiral symmetry breaking by a magnetic field and multi-quark interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 650, 262-267.	4.1	34
29	Analytic perturbation theory versus expansion in the Gross-Neveu model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 653, 346-349.	4.1	4
30	Aspects of UA(1) breaking in the Nambu and Jona-Lasinio model. Annals of Physics, 2006, 321, 2504-2534.	2.8	19
31	Stationary phase corrections in the process of bosonization of multi-quark interactions. European Physical Journal C, 2006, 46, 225-233.	3.9	24
32	One-loop determinant of Dirac operator in non-renormalizable models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 475, 324-328.	4.1	2
33	Meson loop corrections to the NJL model. Brazilian Journal of Physics, 1999, 29, 469-482.	1.4	1
34	Quark-antiquark resonances in the NJL model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 409, 483-490.	4.1	8
35	Pion Observables in the Extended NJL Model with Vector and Axial-Vector Mesons. Annals of Physics, 1996, 249, 499-531.	2.8	49
36	Low-energy dynamics of the $\hat{\rho}^0 \hat{\rho}^0 \hat{\rho}^0$ reaction in the NJL model. Nuclear Physics A, 1996, 604, 406-428.	1.5	8

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37	Tunnelling at finite temperature in the LMG model. <i>Journal of Physics A</i> , 1996, 29, 3993-4004.	1.6	2
38	Pion, sigma and nucleon propagators in the linear $\sigma$ -model. <i>Zeitschrift für Physik A</i> , 1995, 352, 197-202.	0.9	1
39	On the origin of the vector meson dominance. <i>Nuclear Physics A</i> , 1995, 589, 660-668.	1.5	0
40	Temperature dependence of bifurcation of equilibria in the SU(2) Lipkin model. <i>Journal of Physics A</i> , 1994, 27, 697-713.	1.6	6
41	Medium effects on meson properties. <i>Nuclear Physics A</i> , 1994, 575, 460-476.	1.5	22
42	Momentum dependent vertices $\sigma$ , $\omega$ and $\rho$ the NJL scalar hidden by chiral symmetry. <i>Zeitschrift für Physik A</i> , 1994, 350, 229-235.	0.9	6
43	Strong and radiative meson decays in a generalized Nambu-Jona-Lasinio model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 305, 163-167.	4.1	33
44	Aspects of pseudoscalar meson production in two-photon fusion. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 305, 168-172.	4.1	1
45	Thermal linear response of the chaotic maser model. <i>Journal of Physics A</i> , 1993, 26, 581-589.	1.6	3
46	Finite-temperature dynamics of the chaotic maser model. <i>Journal of Physics A</i> , 1992, 25, 2243-2252.	1.6	4
47	Four-point functions in quark flavor dynamics: meson-meson scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 253, 443-450.	4.1	34
48	Mesonic excitations in the Nambu-Jona-Lasinio quark-antiquark continuum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 241, 1-6.	4.1	17
49	Multiparticle production in photon-photon collisions. <i>Physical Review D</i> , 1989, 40, 44-46.	4.7	0
50	Metastable hot nuclei in a semiclassical description. <i>Nuclear Physics A</i> , 1989, 504, 300-322.	1.5	8
51	Electromagnetic form factors in the Nambu-Jona-Lasinio model. <i>Zeitschrift für Physik A, Atomic Nuclei</i> , 1988, 331, 75-82.	0.3	13
52	On the role of quantum tunnelling and statistical effects in the liquid gas phase transition of hot nuclei. <i>Nuclear Physics A</i> , 1988, 484, 295-314.	1.5	11
53	The absorptive part of the nucleus-nucleus potential in a semiclassical approach. <i>Zeitschrift für Physik A, Atomic Nuclei</i> , 1987, 328, 431-444.	0.3	0
54	SEMICLASSICAL CALCULATION OF THE IMAGINARY PART OF THE ION-ION OPTICAL POTENTIAL. <i>Journal De Physique Colloque</i> , 1987, 48, C2-251-C2-254.	0.2	0

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55	The method of virtual quanta applied to pion production in heavy ion collisions. Nuclear Physics A, 1986, 454, 746-760.	1.5	9
56	On the evaluation of semiclassical nuclear many-particle many-hole level densities. Nuclear Physics A, 1986, 456, 109-133.	1.5	18
57	Bubble formation in hot nuclei induced by statistical fluctuations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 182, 239-241.	4.1	11
58	ON THE ROLE OF QUANTUM AND STATISTICAL EFFECTS IN THE LIQUID GAS PHASE TRANSITION OF HOT NUCLEI. Journal De Physique Colloque, 1986, 47, C4-423-C4-426.	0.2	0
59	Time-dependent excitation of the LMG nucleus in Schrödinger and TDSHF theories. Nuclear Physics A, 1985, 440, 62-88.	1.5	1
60	The temperature dependence of the optical model potential and of the nucleon mean free path. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 161, 211-216.	4.1	17
61	Muon-induced prompt fission of uranium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 112, 113-115.	4.1	7
62	Energetic particles emitted from energetic nuclear reactions. Zeitschrift für Physik A, 1982, 306, 177-182.	1.4	9
63	Application of a fusion model using collective variables and microscopically related mass parameters. Nuclear Physics A, 1982, 391, 505-519.	1.5	2