

David Bernhard Blaschke

List of Publications by Year in descending order

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335
papers

8,995
citations

41344

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83
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339
all docs

339
docs citations

339
times ranked

5722
citing authors

#	ARTICLE	IF	CITATIONS
1	Composition and thermodynamics of nuclear matter with light clusters. <i>Physical Review C</i> , 2010, 81, .	2.9	624
2	Constraints on the high-density nuclear equation of state from the phenomenology of compact stars and heavy-ion collisions. <i>Physical Review C</i> , 2006, 74, .	2.9	329
3	Identifying a First-Order Phase Transition in Neutron-Star Mergers through Gravitational Waves. <i>Physical Review Letters</i> , 2019, 122, 061102.	7.8	257
4	Ab Initio Equation of State Data for Hydrogen, Helium, and Water and the Internal Structure of Jupiter. <i>Astrophysical Journal</i> , 2008, 683, 1217-1228.	4.5	222
5	Quark matter in compact stars?. <i>Nature</i> , 2007, 445, E7-E8.	27.8	208
6	Implications from GW170817 and I-Love-Q relations for relativistic hybrid stars. <i>Physical Review D</i> , 2018, 97, .	4.7	192
7	A new quark-hadron hybrid equation of state for astrophysics. <i>Astronomy and Astrophysics</i> , 2015, 577, A40.	5.1	183
8	Hadron production in ultra-relativistic nuclear collisions: Quarkyonic matter and a triple point in the phase diagram of QCD. <i>Nuclear Physics A</i> , 2010, 837, 65-86.	1.5	179
9	A Quantum Kinetic Equation for Particle Production in the Schwinger Mechanism. <i>International Journal of Modern Physics E</i> , 1998, 07, 709-722.	1.0	175
10	Phase diagram of three-flavor quark matter under compact star constraints. <i>Physical Review D</i> , 2005, 72, .	4.7	164
11	Charmonium and bottomonium in heavy-ion collisions. <i>Progress in Particle and Nuclear Physics</i> , 2010, 65, 209-266.	14.4	152
12	Symmetry Energy of Dilute Warm Nuclear Matter. <i>Physical Review Letters</i> , 2010, 104, 202501.	7.8	141
13	Modern compact star observations and the quark matter equation of state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 654, 170-176.	4.1	128
14	Implications of the measurement of pulsars with two solar masses for quark matter in compact stars and heavy-ion collisions: A Nambu–Jona-Lasinio model case study. <i>Physical Review D</i> , 2013, 88, .	4.7	125
15	Quark exchange model for charmonium dissociation in hot hadronic matter. <i>Physical Review C</i> , 1995, 51, 2723-2738.	2.9	108
16	Diquark Condensates and Compact Star Cooling. <i>Astrophysical Journal</i> , 2000, 533, 406-412.	4.5	108
17	Quark deconfinement as a supernova explosion engine for massive blue supergiant stars. <i>Nature Astronomy</i> , 2018, 2, 980-986.	10.1	102
18	Pair Production and Optical Lasers. <i>Physical Review Letters</i> , 2006, 96, 140402.	7.8	98

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19	Non-Markovian effects in strong-field pair creation. <i>Physical Review D</i> , 1999, 59, .	4.7	96
20	Cooling of neutron stars. Hadronic model. <i>Astronomy and Astrophysics</i> , 2004, 424, 979-992.	5.1	93
21	Continuum Study of Deconfinement at Finite Temperature. <i>Physical Review Letters</i> , 1996, 77, 3724-3727.	7.8	92
22	Thermodynamic properties of a simple, confining model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 425, 232-238.	4.1	87
23	Third family of compact stars within a nonlocal chiral quark model equation of state. <i>Physical Review D</i> , 2019, 99, .	4.7	87
24	Finite-size effects at the hadron-quark transition and heavy hybrid stars. <i>Physical Review C</i> , 2014, 89, .	2.9	85
25	Cooling of neutron stars with color superconducting quark cores. <i>Physical Review C</i> , 2005, 71, .	2.9	84
26	New class of hybrid EoS and Bayesian M - R data analysis. <i>European Physical Journal A</i> , 2016, 52, 1.	2.5	84
27	Conformal transformations and conformal invariance in gravitation. <i>Annalen Der Physik</i> , 2009, 18, 13-32.	2.4	82
28	Equation of State Constraints from the Threshold Binary Mass for Prompt Collapse of Neutron Star Mergers. <i>Physical Review Letters</i> , 2020, 125, 141103.	7.8	80
29	Quark-nuclear hybrid star equation of state with excluded volume effects. <i>Physical Review D</i> , 2017, 96, .	4.7	76
30	Cooling of the neutron star in Cassiopeia A. <i>Physical Review C</i> , 2012, 85, .	2.9	73
31	The MPD detector at the NICA heavy-ion collider at JINR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 628, 99-102.	1.6	71
32	Scalar-pseudoscalar meson masses in nonlocal effective QCD at finite temperature. <i>Physical Review C</i> , 1994, 50, 435-446.	2.9	70
33	High-mass twin stars with a multipolytrope equation of state. <i>Physical Review C</i> , 2017, 96, .	2.9	68
34	Nonlocal Polyakov-Nambu-Jona-Lasinio model beyond mean field and the QCD phase transition. <i>Physical Review D</i> , 2011, 83, .	4.7	64
35	Cooling of hybrid neutron stars and hypothetical self-bound objects with superconducting quark cores. <i>Astronomy and Astrophysics</i> , 2001, 368, 561-568.	5.1	62
36	Pauli quenching effects in a simple string model of quark/nuclear matter. <i>Physical Review D</i> , 1986, 34, 3499-3513.	4.7	61

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37	Was GW170817 a Canonical Neutron Star Merger? Bayesian Analysis with a Third Family of Compact Stars. <i>Universe</i> , 2020, 6, 81.	2.5	60
38	A dynamical, confining model and hot quark stars. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 450, 207-214.	4.1	58
39	FINITE T MESON CORRELATIONS AND QUARK DECONFINEMENT. <i>International Journal of Modern Physics A</i> , 2001, 16, 2267-2291.	1.5	58
40	Hybrid stars within a covariant, nonlocal chiral quark model. <i>Physical Review C</i> , 2007, 75, .	2.9	56
41	Lifting shell structures in the dynamically assisted Schwinger effect in periodic fields. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 740, 335-340.	4.1	54
42	Abnormal number of Nambu-Goldstone bosons in the color-asymmetric dense color superconducting phase of a Nambu-“Jona-Lasinio”-type model. <i>Physical Review D</i> , 2004, 70, .	4.7	53
43	Phases of Dense Matter in Compact Stars. <i>Astrophysics and Space Science Library</i> , 2018, , 337-400.	2.7	53
44	Population synthesis as a probe of neutron star thermal evolution. <i>Astronomy and Astrophysics</i> , 2006, 448, 327-334.	5.1	53
45	Generalized Beth-Uhlenbeck approach to mesons and diquarks in hot, dense quark matter. <i>Annals of Physics</i> , 2014, 348, 228-255.	2.8	52
46	Title is missing!. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2012, 5, 535.	0.1	52
47	Description of supernova data in conformal cosmology without cosmological constant. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 530, 20-26.	4.1	51
48	Color-spin locking phase in two-flavor quark matter for compact star phenomenology. <i>Physical Review D</i> , 2005, 72, .	4.7	51
49	Topical issue on Exploring Strongly Interacting Matter at High Densities - NICA White Paper. <i>European Physical Journal A</i> , 2016, 52, 1.	2.5	51
50	Constraining the onset density of the hadron-quark phase transition with gravitational-wave observations. <i>Physical Review D</i> , 2020, 102, .	4.7	51
51	Hybrid equation of state with pasta phases, and third family of compact stars. <i>Physical Review C</i> , 2019, 100, .	2.9	49
52	Phase diagram of neutral quark matter in nonlocal chiral quark models. <i>Physical Review D</i> , 2006, 73, .	4.7	46
53	Hadron resonance gas model with induced surface tension. <i>European Physical Journal A</i> , 2018, 54, 1.	2.5	46
54	Mixed phase effects on high-mass twin stars. <i>Physics of Particles and Nuclei</i> , 2015, 46, 846-848.	0.7	45

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55	Equation-of-state constraints and the QCD phase transition in the era of gravitational-wave astronomy. AIP Conference Proceedings, 2019, , .	0.4	45
56	Dynamical Schwinger process in a bifrequent electric field of finite duration: Survey on amplification. Physical Review D, 2015, 91, .	4.7	44
57	Cluster-virial expansion for nuclear matter within a quasiparticle statistical approach. Nuclear Physics A, 2013, 897, 70-92.	1.5	43
58	Nuclear medium cooling scenario in light of new Cas A cooling data and the $2M_{\odot}$ mass measurements. Physical Review C, 2013, 88, .	2.9	42
59	Hybrid stars with color superconductivity within a nonlocal chiral quark model. Physical Review C, 2004, 69, .	2.9	41
60	Event simulation based on three-fluid hydrodynamics for collisions at energies available at the Dubna Nuclotron-based Ion Collider Facility and at the Facility for Antiproton and Ion Research in Darmstadt. Physical Review C, 2016, 94, .	2.9	40
61	Chiral symmetry restoration by parity doubling and the structure of neutron stars. Physical Review D, 2018, 98, .	4.7	40
62	$1/N_c$ expansion of the quark condensate at finite temperature. Physical Review C, 1996, 53, 2394-2400.	2.9	39
63	Robustness of third family solutions for hybrid stars against mixed phase effects. Physical Review C, 2018, 97, .	2.9	38
64	Excess low energy photon pairs from pion annihilation at the chiral phase transition. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 424, 235-243.	4.1	37
65	Effects of mesonic correlations in the QCD phase transition. Physics of Atomic Nuclei, 2008, 71, 1981-1987.	0.4	37
66	Dynamical Schwinger effect and high-intensity lasers. Realising nonperturbative QED. European Physical Journal D, 2009, 55, 341-358.	1.3	37
67	Effects of the liquid-gas phase transition and cluster formation on the symmetry energy. European Physical Journal A, 2014, 50, 1.	2.5	37
68	Consequences of a strong phase transition in the dense matter equation of state for the rotational evolution of neutron stars. Astronomy and Astrophysics, 2017, 600, A39.	5.1	36
69	D mesons at finite temperature and density in the Polyakov-Nambu-Jona-Lasinio model. Physical Review D, 2012, 85, .	4.7	35
70	Towards a Unified Quark-Hadron-Matter Equation of State for Applications in Astrophysics and Heavy-Ion Collisions. Universe, 2018, 4, 67.	2.5	34
71	Neutron star cooling constraints for color superconductivity in hybrid stars. Physical Review C, 2006, 74, .	2.9	33
72	Sequential deconfinement of quark flavors in neutron stars. Physical Review C, 2009, 80, .	2.9	32

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73	Pion dissociation and Levinson's theorem in hot PNJL quark matter. Physics of Particles and Nuclei Letters, 2013, 10, 660-668.	0.4	32
74	Phase diagrams in nonlocal Polyakov-Nambu-Jona-Lasinio models constrained by lattice QCD results. Physics of Particles and Nuclei Letters, 2014, 11, 342-351.	0.4	32
75	Width of the QCD transition in a Polyakov-loop Dyson-Schwinger equation model. Physical Review D, 2011, 84, .	4.7	31
76	Ionization potential depression and Pauli blocking in degenerate plasmas at extreme densities. Physical Review E, 2019, 99, 033201.	2.1	31
77	Bayesian analysis of multimessenger M-R data with interpolated hybrid EoS. European Physical Journal A, 2021, 57, 1.	2.5	31
78	Mott effect at the chiral phase transition and anomalous J/ψ suppression. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 506, 297-302.	4.1	30
79	The State of Matter in Simulations of Core-Collapse supernovae – Reflections and Recent Developments. Publications of the Astronomical Society of Australia, 2017, 34, .	3.4	30
80	First-order phase transition from hypernuclear matter to deconfined quark matter obeying new constraints from compact star observations. Physical Review C, 2020, 101, .	2.9	30
81	The conformal status of $\hat{\chi} = -3/2$ Brans-Dicke cosmology. Annalen Der Physik, 2007, 16, 237-257.	2.4	29
82	Deconfinement and hadron properties at extremes of temperature and density. Nuclear Physics A, 1998, 642, c197-c209.	1.5	28
83	Coexistence of color superconductivity and chiral symmetry breaking within the NJL model. European Physical Journal A, 2003, 17, 103-110.	2.5	28
84	Color neutrality effects in the phase diagram of the Polyakov-Nambu-Jona-Lasinio model. Physical Review D, 2008, 78, .	4.7	28
85	Perspectives on heavy-quarkonium production at the LHC. AIP Conference Proceedings, 2008, , .	0.4	28
86	Properties of the electron-positron plasma created from a vacuum in a strong laser field: Quasiparticle excitations. Physical Review D, 2013, 88, .	4.7	28
87	Quark-nuclear hybrid equation of state for neutron stars under modern observational constraints. Physical Review C, 2022, 105, .	2.9	28
88	Nuclear in-medium effects and neutrino emissivity of neutron stars. Monthly Notices of the Royal Astronomical Society, 1995, 273, 596-602.	4.4	27
89	Neutron star mass limit at $2M_{\text{Sch}}^{\text{TM}}$ supports the existence of a CEP. European Physical Journal A, 2016, 52, 1.	2.5	27
90	Studying the onset of deconfinement with multi-messenger astronomy of neutron stars. Astronomische Nachrichten, 2021, 342, 227-233.	1.2	27

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91	Heavy quark bound state suppression by Mott dissociation and thermal activation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 202, 479-482.	4.1	26
92	How strange are compact star interiors?. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 094063.	3.6	26
93	Influence of the stiffness of the equation of state and in-medium effects on the cooling of compact stars. European Physical Journal A, 2016, 52, 1.	2.5	26
94	Nuclear in-medium effects on the thermal conductivity and viscosity of neutron star matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 338, 111-117.	4.1	25
95	Analysis of chiral and thermal susceptibilities. Physical Review C, 1998, 58, 1758-1766.	2.9	25
96	Two Novel Approaches to the Hadron-Quark Mixed Phase in Compact Stars. Universe, 2018, 4, 94.	2.5	25
97	Quark core of protoneutron stars in the phase diagram of quark matter. Physical Review D, 2007, 75, .	4.7	24
98	Hybrid Neutron Stars Based on a Modified PNJL Model. Progress of Theoretical Physics Supplement, 2010, 186, 81-86.	0.1	24
99	BBGKY kinetic approach for an e^+e^- pair production from the vacuum in a strong laser-generated electric field: The one-photon annihilation channel. Physical Review D, 2011, 84, .	4.7	24
100	Assisted dynamical Schwinger effect: pair production in a pulsed bifrequent field. European Physical Journal D, 2016, 70, 1.	1.3	24
101	Mott dissociation of pions and kaons in hot, dense quark matter. Physical Review D, 2017, 96, .	4.7	24
102	The Mott mechanism and the hadronic-to-quark matter phase transition. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 151, 439-443.	4.1	23
103	How robust is a 2SC quark matter phase under compact star constraints?. Nuclear Physics A, 2005, 757, 527-542.	1.5	23
104	Robustness of the baryon-stopping signal for the onset of deconfinement in relativistic heavy-ion collisions. Physical Review C, 2015, 92, .	2.9	23
105	Toward a unified equation of state for multi-messenger astronomy. Astronomy and Astrophysics, 2020, 643, A82.	5.1	23
106	Dissociation kinetics and momentum-dependent $\bar{\psi}\psi$ suppression in a quark-gluon plasma. Physical Review D, 1988, 38, 3589-3592.	4.7	22
107	The influence of Pauli blocking effects on the properties of dense hydrogen. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 214033.	2.1	22
108	Cosmological production of vector bosons and cosmic microwave background radiation. Physics of Atomic Nuclei, 2004, 67, 1050-1062.	0.4	21

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109	Heavy quark potential and quarkonia dissociation rates. <i>European Physical Journal C</i> , 2005, 43, 81-84.	3.9	21
110	Chiral condensate in hadronic matter. <i>Physical Review D</i> , 2013, 87, .	4.7	21
111	Bayesian Analysis for Extracting Properties of the Nuclear Equation of State from Observational Data Including Tidal Deformability from GW170817. <i>Universe</i> , 2019, 5, 61.	2.5	21
112	The special point on the hybrid star mass-radius diagram and its multi-messenger implications. <i>European Physical Journal: Special Topics</i> , 2020, 229, 3663-3673.	2.6	21
113	Medium induced Lorentz symmetry breaking effects in nonlocal Polyakov-Nambu-Jona-Lasinio models. <i>Physical Review D</i> , 2014, 89, .	4.7	20
114	Polyakov-loop suppression of colored states in a quark-meson-diquark plasma. <i>Physical Review D</i> , 2015, 91, .	4.7	20
115	Light cluster production at NICA. <i>European Physical Journal A</i> , 2016, 52, 1.	2.5	20
116	Parity Doubling and the Dense-Matter Phase Diagram under Constraints from Multi-Messenger Astronomy. <i>Universe</i> , 2019, 5, 180.	2.5	20
117	Hybrid neutron stars in the mass-radius diagram. <i>Astronomische Nachrichten</i> , 2021, 342, 819-825.	1.2	20
118	Sexaquark dilemma in neutron stars and its solution by quark deconfinement. <i>Physical Review D</i> , 2022, 105, .	4.7	20
119	Density functional approach to quark matter with confinement and color superconductivity. <i>Physical Review D</i> , 2022, 105, .	4.7	20
120	Diquark condensation effects on hot quark star configurations. <i>Nuclear Physics A</i> , 2004, 736, 203-219.	1.5	19
121	Nonlocality effects on color spin locking condensates. <i>Physical Review D</i> , 2006, 74, .	4.7	19
122	Warm dense matter in giant planets and exoplanets. <i>Physics of Particles and Nuclei</i> , 2008, 39, 1122-1127.	0.7	19
123	Thermodynamic instabilities in dynamical quark models with complex conjugate mass poles. <i>Physical Review D</i> , 2012, 86, .	4.7	19
124	In-Medium Excitations. <i>Lecture Notes in Physics</i> , 2011, , 335-529.	0.7	19
125	Population Clustering as a Signal for Deconfinement in Accreting Compact Stars. <i>Astrophysical Journal</i> , 2001, 551, L73-L76.	4.5	18
126	Gauge independence of IR singularities in non-commutative QFT and interpolating gauges. <i>Journal of High Energy Physics</i> , 2005, 2005, 071-071.	4.7	18

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127	Unmasking neutron star interiors using cooling simulations. Progress in Particle and Nuclear Physics, 2007, 59, 139-146.	14.4	18
128	Pair production by Schwinger and Breit-Wheeler processes in bi-frequent fields. Journal of Plasma Physics, 2016, 82, .	2.1	18
129	High-mass twins & resolution of the reconfinement, masquerade and hyperon puzzles of compact star interiors. AIP Conference Proceedings, 2016, , .	0.4	18
130	NON-EQUILIBRIUM APPROACH TO DENSE HADRONIC MATTER. International Journal of Modern Physics E, 1995, 04, 1-45.	1.0	17
131	Anomalous pion decay in effective QCD at finite temperature. Nuclear Physics A, 1995, 592, 561-580.	1.5	17
132	Threshold Collision Energy of the QCD Phase Diagram Tricritical Endpoint. Physics of Particles and Nuclei Letters, 2018, 15, 210-224.	0.4	17
133	Chirally Improved Quark Pauli Blocking in Nuclear Matter and Applications to Quark Deconfinement in Neutron Stars. Particles, 2020, 3, 477-499.	1.7	17
134	Asymmetric neutrino propagation in newly born magnetized strange stars; GRB and kicks. Progress in Particle and Nuclear Physics, 2006, 57, 334-342.	14.4	16
135	Crossover Transition to Quark Matter in Heavy Hybrid Stars. Acta Physica Polonica B, Proceedings Supplement, 2014, 7, 203.	0.1	16
136	Effects of quark matter and color superconductivity in compact stars. AIP Conference Proceedings, 2003, , .	0.4	15
137	Energy release due to antineutrino untrapping and diquark condensation in hot quark star evolution. Astronomy and Astrophysics, 2004, 416, 991-996.	5.1	15
138	Vortex structure of neutron stars with CFL quark cores. Astrophysics, 2008, 51, 544-558.	0.5	15
139	Title is missing!. Acta Physica Polonica B, Proceedings Supplement, 2012, 5, 485.	0.1	15
140	Dilepton enhancement by thermal pion annihilation in the CERES experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 386, 429-436.	4.1	14
141	Pseudoscalar meson nonet at zero and finite temperature. Physics of Particles and Nuclei, 2008, 39, 1033-1039.	0.7	14
142	Supporting the search for the CEP location with nonlocal PNJL models constrained by lattice QCD. European Physical Journal A, 2016, 52, 1.	2.5	14
143	Mixed phase transition from hypernuclear matter to deconfined quark matter fulfilling mass-radius constraints of neutron stars. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 115201.	3.6	14
144	Squeezed condensate of gluons and $\hat{I} - \hat{I}^2$ mass difference. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 397, 129-132.	4.1	13

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145	Cooling of Neutron Stars with Color Superconducting Quark Cores. Nuclear Physics A, 2006, 774, 815-818.	1.5	13
146	Influence of Laser Pulse Parameters on the Properties of e^+e^- Plasmas Created from Vacuum. Contributions To Plasma Physics, 2013, 53, 165-172.	1.1	13
147	Neutron stars with crossover to color superconducting quark matter. Physical Review C, 2022, 105, .	2.9	13
148	Quark exchange contribution to the effective meson-meson interaction potential. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 299, 332-337.	4.1	12
149	Chiral Symmetry Restoration and Anomalous J/ψ Suppression. Progress of Theoretical Physics Supplement, 2003, 149, 182-189.	0.1	12
150	Exploring the QCD phase diagram with compact stars. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 137-142.	0.4	12
151	Core collapse supernovae in the QCD phase diagram. Physics of Atomic Nuclei, 2012, 75, 613-620.	0.4	12
152	Mass and radius constraints for compact stars and the QCD phase diagram. Journal of Physics: Conference Series, 2014, 496, 012002.	0.4	12
153	Three-fluid Hydrodynamics-based Event Simulator Extended by UrQMD final State interactions (THESEUS) for FAIR-NICA-SPSBES/RHIC energies. EPJ Web of Conferences, 2018, 182, 02056.	0.3	12
154	Hard-Core Radius of Nucleons within the Induced Surface Tension Approach. Universe, 2019, 5, 63.	2.5	12
155	Pion and Sigma Meson Dissociation in a Modified NJL Model at Finite Temperature. Acta Physica Polonica B, Proceedings Supplement, 2014, 7, 215.	0.1	12
156	A proposal for testing subcritical vacuum pair production with high power lasers. High Energy Density Physics, 2010, 6, 166-170.	1.5	11
157	Exploring hybrid-star matter at NICA and FAIR. Physics of Particles and Nuclei Letters, 2012, 9, 484-487.	0.4	11
158	Mott-hadron resonance gas and lattice QCD thermodynamics. Physics of Particles and Nuclei, 2015, 46, 732-736.	0.7	11
159	Bulk Properties of Strongly Interacting Matter. Lecture Notes in Physics, 2011, , 39-334.	0.7	11
160	Generalized Beth-Uhlenbeck Approach to the Equation of State for Quark-Hadron Matter. Acta Physica Polonica B, Proceedings Supplement, 2017, 10, 473.	0.1	11
161	Unified approach to the T -dependence of J/ψ absorption and the hadronic to quark matter phase transition. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 233, 434-438.	4.1	10
162	SQUEEZED GLUON CONDENSATE AND QUARK CONFINEMENT IN THE GLOBAL COLOR MODEL OF QCD. International Journal of Modern Physics A, 1999, 14, 205-224.	1.5	10

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163	Neutrino emissivity and bulk viscosity of iso-CSL quark matter in neutron stars. AIP Conference Proceedings, 2007, , .	0.4	10
164	Chiral condensate and chemical freeze-out. Physics of Particles and Nuclei Letters, 2011, 8, 811-817.	0.4	10
165	Topical issue on exotic matter in neutron stars. European Physical Journal A, 2016, 52, 1.	2.5	10
166	Nonperturbative Kinetic Description of Electron-Hole Excitations in Graphene in a Time Dependent Electric Field of Arbitrary Polarization. Particles, 2019, 2, 208-230.	1.7	10
167	Heavy Quark Physics. Lecture Notes in Physics, 2004, , .	0.7	10
168	The plasma influence on J/ψ suppression. Nuclear Physics A, 1991, 525, 269-273.	1.5	9
169	The A-dependence of J/ψ and ψ' production at 800 GeV/c and the size of the charm creation vertex. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 281, 364-368.	4.1	9
170	Critical scattering and two photon spectra for a quark/meson plasma. Nuclear Physics A, 1997, 622, 478-496.	1.5	9
171	Magnetic Field of a Neutron Star With Color Superconducting Quark Matter Core. Astrophysics, 2002, 45, 166-175.	0.5	9
172	Scalar χ_f meson at a finite temperature in a nonlocal quark model. Physics of Particles and Nuclei Letters, 2006, 3, 327-330.	0.4	9
173	Neutron star masses: dwarfs, giants and neighbors. Astrophysics and Space Science, 2007, 308, 381-385.	1.4	9
174	Bound states and superconductivity in dense Fermi systems. Physics of Particles and Nuclei, 2008, 39, 1016-1024.	0.7	9
175	Quark matter in high-mass neutron stars?. Physics of Particles and Nuclei, 2015, 46, 843-845.	0.7	9
176	Mott-Anderson freeze-out and the strange matter ϵ . Physics of Particles and Nuclei, 2015, 46, 789-793.	0.7	9
177	Fermi liquid, clustering, and structure factor in dilute warm nuclear matter. Nuclear Physics A, 2018, 970, 224-258.	1.5	9
178	Medium Effects on Freeze-Out of Light Clusters at NICA Energies. Physics of Particles and Nuclei Letters, 2018, 15, 225-229.	0.4	9
179	A Phenomenological Equation of State of Strongly Interacting Matter with First-Order Phase Transitions and Critical Points. Universe, 2018, 4, 32.	2.5	9
180	Astrophysical Aspects of General Relativistic Mass Twin Stars. , 2020, , 207-256.		9

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181	Instantaneous chiral quark model for relativistic mesons in a hot and dense medium. Nuclear Physics A, 1995, 586, 711-733.	1.5	8
182	Chiral Condensate and Mott's Anderson Freeze-Out. Few-Body Systems, 2012, 53, 99-109.	1.5	8
183	An effective model of QCD thermodynamics. Journal of Physics: Conference Series, 2013, 455, 012056.	0.4	8
184	Effective degrees of freedom in QCD thermodynamics. EPJ Web of Conferences, 2014, 71, 00134.	0.3	8
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