

David Bernhard Blaschke

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

297
papers

7,322
citations

43
h-index

74
g-index

338
ext. papers

8,244
ext. citations

2.6
avg, IF

6.24
L-index

#	Paper	IF	Citations
297	Locating the special point of hybrid neutron stars. <i>EPJ Web of Conferences</i> , 2022 , 258, 07009	0.3	0
296	Confining density functional approach for color superconducting quark matter and mesonic correlations. <i>EPJ Web of Conferences</i> , 2022 , 258, 07008	0.3	0
295	Bayesian analysis of multimessenger M-R data with interpolated hybrid EoS. <i>European Physical Journal A</i> , 2021 , 57, 1	2.5	8
294	Quark Cluster Expansion Model for Interpreting Finite-T Lattice QCD Thermodynamics. <i>Symmetry</i> , 2021 , 13, 514	2.7	
293	Update of the three-fluid hydrodynamics-based event simulator: Light-nuclei production in heavy-ion collisions. <i>Physical Review C</i> , 2021 , 103,	2.7	3
292	Hybrid neutron stars in the mass-radius diagram. <i>Astronomische Nachrichten</i> , 2021 , 342, 819-825	0.7	3
291	Mott Dissociation and Kaon to Pion Ratio in the EPNJL Model. <i>Physics of Particles and Nuclei</i> , 2021 , 52, 609-614	0.7	
290	A unified quark-nuclear matter equation of state from the cluster virial expansion within the generalized Beth-Ühlenbeck approach. <i>European Physical Journal A</i> , 2021 , 57, 1	2.5	1
289	Studying the onset of deconfinement with multi-messenger astronomy of neutron stars. <i>Astronomische Nachrichten</i> , 2021 , 342, 227-233	0.7	11
288	Induced surface and curvature tensions equation of state of hadrons with relativistic excluded volumes and its relation to morphological thermodynamics. <i>Physica Scripta</i> , 2021 , 96, 125302	2.6	
287	Using the Beth-Ühlenbeck Approach to Describe the Kaon to Pion Ratio in a 2 + 1 Flavor PNJL Model. <i>Particles</i> , 2020 , 3, 169-177	2.1	0
286	Nonequilibrium Pion Distribution within the Zubarev Approach. <i>Particles</i> , 2020 , 3, 380-393	2.1	0
285	First-order phase transition from hypernuclear matter to deconfined quark matter obeying new constraints from compact star observations. <i>Physical Review C</i> , 2020 , 101,	2.7	17
284	Kinetic Equation Approach to Graphene in Strong External Fields. <i>Particles</i> , 2020 , 3, 456-476	2.1	4
283	Chirally Improved Quark Pauli Blocking in Nuclear Matter and Applications to Quark Deconfinement in Neutron Stars. <i>Particles</i> , 2020 , 3, 477-499	2.1	10
282	Was GW170817 a Canonical Neutron Star Merger? Bayesian Analysis with a Third Family of Compact Stars. <i>Universe</i> , 2020 , 6, 81	2.5	35
281	Constraining the onset density of the hadron-quark phase transition with gravitational-wave observations. <i>Physical Review D</i> , 2020 , 102,	4.9	17

280	A mixing interpolation method to mimic pasta phases in compact star matter. <i>European Physical Journal A</i> , 2020 , 56, 1	2.5	5
279	Chiral phase transition and kaon-to-pion ratios in the entanglement SU(3) PNJL model. <i>European Physical Journal: Special Topics</i> , 2020 , 229, 3517-3536	2.3	2
278	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	2.3	7
277	Astrophysical Aspects of General Relativistic Mass Twin Stars 2020 , 207-256		6
276	Classical excluded volume of loosely bound light (anti) nuclei and their chemical freeze-out in heavy ion collisions. <i>International Journal of Modern Physics E</i> , 2020 , 29, 2040009	0.7	0
275	Strangeness and Light Fragment Production at High Baryon Density. <i>Springer Proceedings in Physics</i> , 2020 , 183-190	0.2	1
274	Toward a unified equation of state for multi-messenger astronomy. <i>Astronomy and Astrophysics</i> , 2020 , 643, A82	5.1	13
273	Mixed phase transition from hypernuclear matter to deconfined quark matter fulfilling mass-radius constraints of neutron stars. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020 , 47, 115201	2.9	6
272	Surface Waves in a Collisional Quark-Gluon Plasma. <i>Physics of Particles and Nuclei Letters</i> , 2020 , 17, 803-809		8
271	Equation of State Constraints from the Threshold Binary Mass for Prompt Collapse of Neutron Star Mergers. <i>Physical Review Letters</i> , 2020 , 125, 141103	7.4	43
270	Possible signals of two QCD phase transitions at NICA-FAIR energies. <i>EPJ Web of Conferences</i> , 2019 , 204, 03001	0.3	5
269	Parity Doubling and the Dense-Matter Phase Diagram under Constraints from Multi-Messenger Astronomy. <i>Universe</i> , 2019 , 5, 180	2.5	12
268	Comparing two different descriptions of the I-V characteristic of graphene: theory and experiment. <i>EPJ Web of Conferences</i> , 2019 , 204, 06008	0.3	5
267	Kinetic Approach to Pair Production in Strong Fields—Two Lessons for Applications to Heavy-Ion Collisions. <i>Particles</i> , 2019 , 2, 166-179	2.1	4
266	Nonperturbative Kinetic Description of Electron-Hole Excitations in Graphene in a Time Dependent Electric Field of Arbitrary Polarization. <i>Particles</i> , 2019 , 2, 208-230	2.1	9
265	Third family of compact stars within a nonlocal chiral quark model equation of state. <i>Physical Review D</i> , 2019 , 99,	4.9	53
264	Ionization potential depression and Pauli blocking in degenerate plasmas at extreme densities. <i>Physical Review E</i> , 2019 , 99, 033201	2.4	23
263	Low-Momentum Pion Enhancement from Schematic Hadronization of a Gluon-Saturated Initial State. <i>Particles</i> , 2019 , 2, 140-149	2.1	1

262	Equation-of-state constraints and the QCD phase transition in the era of gravitational-wave astronomy 2019 ,		29
261	Hybrid equation of state with pasta phases, and third family of compact stars. <i>Physical Review C</i> , 2019 , 100,	2.7	28
260	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	16
259	Parity Doubling in QCD Thermodynamics. <i>Proceedings (mdpi)</i> , 2019 , 13, 7	0.3	
258	Identifying a First-Order Phase Transition in Neutron-Star Mergers through Gravitational Waves. <i>Physical Review Letters</i> , 2019 , 122, 061102	7.4	150
257	On separate chemical freeze-outs of hadrons and light (anti)nuclei in high energy nuclear collisions. <i>Journal of Physics: Conference Series</i> , 2019 , 1390, 012038	0.3	7
256	Hard-Core Radius of Nucleons within the Induced Surface Tension Approach. <i>Universe</i> , 2019 , 5, 63	2.5	10
255	Thermodynamics of a generalized graphene-motivated (2+1) D Gross-Neveu model beyond the mean field within the Beth-Uhlenbeck approach. <i>Progress of Theoretical and Experimental Physics</i> , 2019 , 2019,	5.4	2
254	Accretion-induced collapse to third family compact stars as trigger for eccentric orbits of millisecond pulsars in binaries. <i>Astronomische Nachrichten</i> , 2019 , 340, 878-884	0.7	5
253	Implications from GW170817 and I-Love-Q relations for relativistic hybrid stars. <i>Physical Review D</i> , 2018 , 97,	4.9	154
252	Robustness of third family solutions for hybrid stars against mixed phase effects. <i>Physical Review C</i> , 2018 , 97,	2.7	27
251	Effects of Composite Pions on the Chiral Condensate within the PNJL Model at Finite Temperature. <i>Physics of Particles and Nuclei Letters</i> , 2018 , 15, 230-235	0.5	5
250	Hadron resonance gas model with induced surface tension. <i>European Physical Journal A</i> , 2018 , 54, 1	2.5	34
249	Towards a Unified Quark-Hadron-Matter Equation of State for Applications in Astrophysics and Heavy-Ion Collisions. <i>Universe</i> , 2018 , 4, 67	2.5	27
248	A Phenomenological Equation of State of Strongly Interacting Matter with First-Order Phase Transitions and Critical Points. <i>Universe</i> , 2018 , 4, 32	2.5	9
247	Evidence of the QCD Tricritical Endpoint Existence at NICA-FAIR Energies. <i>KnE Energy</i> , 2018 , 3, 313		2
246	Fermi liquid, clustering, and structure factor in dilute warm nuclear matter. <i>Nuclear Physics A</i> , 2018 , 970, 224-258	1.3	6
245	Two Novel Approaches to the Hadron-Quark Mixed Phase in Compact Stars. <i>Universe</i> , 2018 , 4, 94	2.5	14

244	Phases of Dense Matter in Compact Stars. <i>Astrophysics and Space Science Library</i> , 2018 , 337-400	0.3	37
243	Chiral symmetry restoration by parity doubling and the structure of neutron stars. <i>Physical Review D</i> , 2018 , 98,	4.9	27
242	Strange matter prospects within the string-flip model. <i>EPJ Web of Conferences</i> , 2018 , 171, 20002	0.3	3
241	Strange matter in compact stars. <i>EPJ Web of Conferences</i> , 2018 , 171, 08001	0.3	3
240	Three-fluid Hydrodynamics-based Event Simulator Extended by UrQMD final State interactions (THESEUS) for FAIR-NICA-SPSBES/RHIC energies. <i>EPJ Web of Conferences</i> , 2018 , 182, 02056	0.3	6
239	Quark deconfinement as a supernova explosion engine for massive blue supergiant stars. <i>Nature Astronomy</i> , 2018 , 2, 980-986	12.1	70
238	Threshold Collision Energy of the QCD Phase Diagram Tricritical Endpoint. <i>Physics of Particles and Nuclei Letters</i> , 2018 , 15, 210-224	0.5	16
237	Medium Effects on Freeze-Out of Light Clusters at NICA Energies. <i>Physics of Particles and Nuclei Letters</i> , 2018 , 15, 225-229	0.5	6
236	Consequences of a strong phase transition in the dense matter equation of state for the rotational evolution of neutron stars. <i>Astronomy and Astrophysics</i> , 2017 , 600, A39	5.1	29
235	Vacuum Particle-Antiparticle Creation in Strong Fields as a Field-Induced Phase Transition. <i>Russian Physics Journal</i> , 2017 , 59, 1731-1738	0.7	2
234	Quark-nuclear hybrid star equation of state with excluded volume effects. <i>Physical Review D</i> , 2017 , 96,	4.9	49
233	High-mass twin stars with a multipolytrope equation of state. <i>Physical Review C</i> , 2017 , 96,	2.7	53
232	Recent selected theory developments for NICA. <i>EPJ Web of Conferences</i> , 2017 , 138, 01004	0.3	2
231	Variational path-integral approach to back-reactions of composite mesons in the Nambu-Jona-Lasinio model. <i>Nuclear Physics B</i> , 2017 , 921, 753-768	2.8	4
230	Mott dissociation of pions and kaons in hot, dense quark matter. <i>Physical Review D</i> , 2017 , 96,	4.9	19
229	Nonlocal quark model description of a composite Higgs particle. <i>Physics of Particles and Nuclei Letters</i> , 2017 , 14, 429-434	0.5	
228	The State of Matter in Simulations of Core-Collapse supernovae Reflections and Recent Developments. <i>Publications of the Astronomical Society of Australia</i> , 2017 , 34,	5.5	23
227	Mixed phase within the multi-polytrope approach to high-mass twins. <i>Astronomische Nachrichten</i> , 2017 , 338, 1048-1051	0.7	5

226	Field induced phase transition in the few photon regime. <i>EPJ Web of Conferences</i> , 2017 , 138, 07004	0.3	1
225	Generalized Beth–Uhlenbeck Approach to the Equation of State for Quark–Hadron Matter. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2017 , 10, 473	1.8	9
224	Bayesian Analysis for a New Class of Hybrid EoS Models Using Mass and Radius Data of Compact Stars. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2017 , 10, 799	1.8	2
223	Laser Assisted Breit-Wheeler and Schwinger Processes 2017 , 253-262		0
222	Cooling of Neutron Stars with Stiff Stellar Matter. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2017 , 10, 819	1.8	2
221	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. <i>Physical Review C</i> , 2016 , 94,	2.7	31
220	High-mass twins & resolution of the reconfinement, masquerade and hyperon puzzles of compact star interiors 2016 ,		15
219	New class of hybrid EoS and Bayesian M - R data analysis. <i>European Physical Journal A</i> , 2016 , 52, 1	2.5	64
218	Assisted dynamical Schwinger effect: pair production in a pulsed bifrequent field. <i>European Physical Journal D</i> , 2016 , 70, 1	1.3	19
217	Excluded volume effects in the hybrid star EoS. <i>Journal of Physics: Conference Series</i> , 2016 , 668, 012035	0.3	2
216	Schwinger effect at modern laser facilities. <i>Journal of Physics: Conference Series</i> , 2016 , 672, 012020	0.3	0
215	Mass-radius constraints for the neutron star EoS - Bayesian analysis. <i>Journal of Physics: Conference Series</i> , 2016 , 668, 012038	0.3	6
214	Phase diagram of the three-flavor color superconducting PNJL model. <i>Journal of Physics: Conference Series</i> , 2016 , 668, 012101	0.3	0
213	Nonequilibrium meson production in strong fields. <i>Journal of Physics: Conference Series</i> , 2016 , 673, 012009,		2
212	Towards a new quark-nuclear matter EoS for applications in astrophysics and heavy-ion collisions. <i>Journal of Physics: Conference Series</i> , 2016 , 668, 012042	0.3	8
211	Pion and kaon in the Beth-Uhlenbeck approach. <i>Journal of Physics: Conference Series</i> , 2016 , 668, 012052	0.3	2
210	Neutrino emissivities and bulk viscosity in neutral two-flavor quark matter. <i>Physical Review D</i> , 2016 , 94,	4.9	6
209	Neutron star mass limit at 2M? supports the existence of a CEP. <i>European Physical Journal A</i> , 2016 , 52, 1	2.5	26

208	Influence of the stiffness of the equation of state and in-medium effects on the cooling of compact stars. <i>European Physical Journal A</i> , 2016 , 52, 1	2.5	22
207	Pair production by Schwinger and Breit-Wheeler processes in bi-frequent fields. <i>Journal of Plasma Physics</i> , 2016 , 82,	2.7	11
206	Baryon stopping in heavy-ion collisions at Elab = 2A-200A GeV. <i>European Physical Journal A</i> , 2016 , 52, 1	2.5	2
205	Supporting the search for the CEP location with nonlocal PNJL models constrained by lattice QCD. <i>European Physical Journal A</i> , 2016 , 52, 1	2.5	13
204	Light cluster production at NICA. <i>European Physical Journal A</i> , 2016 , 52, 1	2.5	18
203	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	4.2	45
202	A new quark-hadron hybrid equation of state for astrophysics. <i>Astronomy and Astrophysics</i> , 2015 , 577, A40	5.1	157
201	New Bayesian analysis of hybrid EoS constraints with mass-radius data for compact stars. <i>Physics of Particles and Nuclei</i> , 2015 , 46, 854-857	0.7	5
200	Cooling of neutron stars and hybrid stars with a stiff hadronic EoS. <i>Physics of Particles and Nuclei</i> , 2015 , 46, 849-853	0.7	4
199	Mixed phase effects on high-mass twin stars. <i>Physics of Particles and Nuclei</i> , 2015 , 46, 846-848	0.7	37
198	Quark matter in high-mass neutron stars?. <i>Physics of Particles and Nuclei</i> , 2015 , 46, 843-845	0.7	8
197	Mott-hadron resonance gas and lattice QCD thermodynamics. <i>Physics of Particles and Nuclei</i> , 2015 , 46, 732-736	0.7	10
196	Robustness of the baryon-stopping signal for the onset of deconfinement in relativistic heavy-ion collisions. <i>Physical Review C</i> , 2015 , 92,	2.7	20
195	Dynamical Schwinger process in a bifrequent electric field of finite duration: Survey on amplification. <i>Physical Review D</i> , 2015 , 91,	4.9	32
194	Polyakov-loop suppression of colored states in a quark-meson-diquark plasma. <i>Physical Review D</i> , 2015 , 91,	4.9	14
193	Dynamical Schwinger effect: Properties of the $e + e$ plasma created from vacuum in strong laser fields. <i>Physics of Particles and Nuclei</i> , 2015 , 46, 797-800	0.7	3
192	Composite fermions in medium: Extending the Lipkin model. <i>Physics of Particles and Nuclei</i> , 2015 , 46, 794-796	0.7	
191	Mott-Anderson freeze-out and the strange matter Born-Infeld. <i>Physics of Particles and Nuclei</i> , 2015 , 46, 789-793.	0.7	9

190	Effects of the liquid-gas phase transition and cluster formation on the symmetry energy. <i>European Physical Journal A</i> , 2014 , 50, 1	2.5	31
189	Quantum mechanical model for J/ψ suppression in the LHC era. <i>Nuclear Physics A</i> , 2014 , 927, 1-14	1.3	2
188	Phase diagrams in nonlocal Polyakov-Nambu-Jona-Lasinio models constrained by lattice QCD results. <i>Physics of Particles and Nuclei Letters</i> , 2014 , 11, 342-351	0.5	29
187	Generalized Bethe-Heisenberg approach to mesons and diquarks in hot, dense quark matter. <i>Annals of Physics</i> , 2014 , 348, 228-255	2.5	42
186	Mass and radius constraints for compact stars and the QCD phase diagram. <i>Journal of Physics: Conference Series</i> , 2014 , 496, 012002	0.3	11
185	Colored condensates deep inside neutron stars. <i>EPJ Web of Conferences</i> , 2014 , 78, 07003	0.3	
184	Effective degrees of freedom in QCD thermodynamics. <i>EPJ Web of Conferences</i> , 2014 , 71, 00134	0.3	8
183	Nuclear medium cooling scenario in the era of Cas A cooling data and 2M _? pulsar mass measurements. <i>Journal of Physics: Conference Series</i> , 2014 , 496, 012014	0.3	3
182	Medium induced Lorentz symmetry breaking effects in nonlocal Polyakov-Nambu-Jona-Lasinio models. <i>Physical Review D</i> , 2014 , 89,	4.9	17
181	Finite-size effects at the hadron-quark transition and heavy hybrid stars. <i>Physical Review C</i> , 2014 , 89,	2.7	68
180	Quark Matter in Core Collapse Supernova Simulations. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2014 , 7, 153	1.8	7
179	Crossover Transition to Quark Matter in Heavy Hybrid Stars. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2014 , 7, 203	1.8	15
178	Pion and Sigma Meson Dissociation in a Modified NJL Model at Finite Temperature. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2014 , 7, 215	1.8	10
177	Properties of the electron-positron plasma created from a vacuum in a strong laser field: Quasiparticle excitations. <i>Physical Review D</i> , 2013 , 88,	4.9	24
176	Pion dissociation and Levinson's theorem in hot PNJL quark matter. <i>Physics of Particles and Nuclei Letters</i> , 2013 , 10, 660-668	0.5	28
175	Influence of Laser Pulse Parameters on the Properties of $e\bar{e}+$ Plasmas Created from Vacuum. <i>Contributions To Plasma Physics</i> , 2013 , 53, 165-172	1.4	9
174	Cluster- ν expansion for nuclear matter within a quasiparticle statistical approach. <i>Nuclear Physics A</i> , 2013 , 897, 70-92	1.3	36
173	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,	4.9	100

172	Nuclear medium cooling scenario in light of new Cas A cooling data and the 2M _? pulsar mass measurements. <i>Physical Review C</i> , 2013 , 88,	2.7	38
171	Chiral condensate in hadronic matter. <i>Physical Review D</i> , 2013 , 87,	4.9	13
170	An effective model of QCD thermodynamics. <i>Journal of Physics: Conference Series</i> , 2013 , 455, 012056	0.3	8
169	Nonlocal PNJL models and quark matter in compact stars 2013 ,		2
168	Finite Temperature Mott Transition in a Nonlocal PNJL Model. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2013 , 6, 947	1.8	3
167	Core collapse supernovae in the QCD phase diagram. <i>Physics of Atomic Nuclei</i> , 2012 , 75, 613-620	0.4	11
166	Nonlocal PNJL model beyond mean field. <i>Physics of Atomic Nuclei</i> , 2012 , 75, 738-740	0.4	1
165	Debye mass and heavy quark potential in a PNJL quark plasma. <i>Physics of Atomic Nuclei</i> , 2012 , 75, 882-884	0.4	0
164	Neutron star matter in a modified PNJL model. <i>Physics of Atomic Nuclei</i> , 2012 , 75, 893-895	0.4	2
163	A formula for charmonium suppression. <i>Physics of Atomic Nuclei</i> , 2012 , 75, 896-898	0.4	1
162	Two- and three-color two-quark states in warm, dense quark matter. <i>Physics of Atomic Nuclei</i> , 2012 , 75, 910-912	0.4	2
161	Meson form-factor scheme for the chiral lagrangian approach to J/ψ breakup cross sections motivated by a relativistic quark model. <i>Physics of Particles and Nuclei Letters</i> , 2012 , 9, 7-17	0.5	3
160	Exploring hybrid-star matter at NICA and FAIR. <i>Physics of Particles and Nuclei Letters</i> , 2012 , 9, 484-487	0.5	10
159	D mesons at finite temperature and density in the Polyakov-Nambu-Jona-Lasinio model. <i>Physical Review D</i> , 2012 , 85,	4.9	34
158	Chiral Condensate and Mott-Anderson Freeze-Out. <i>Few-Body Systems</i> , 2012 , 53, 99-109	1.6	7
157	Conformal Relativity versus Brans-Dicke and Superstring Theories. <i>Entropy</i> , 2012 , 14, 1978-1996	2.8	6
156	Cooling of the neutron star in Cassiopeia A. <i>Physical Review C</i> , 2012 , 85,	2.7	61
155	Thermodynamic instabilities in dynamical quark models with complex conjugate mass poles. <i>Physical Review D</i> , 2012 , 86,	4.9	17

154	. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2012 , 5, 485	1.8	14
153	. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2012 , 5, 535	1.8	44
152	. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2012 , 5, 757	1.8	8
151	. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2012 , 5, 963	1.8	4
150	Chiral condensate and chemical freeze-out. <i>Physics of Particles and Nuclei Letters</i> , 2011 , 8, 811-817	0.5	10
149	BBGKY kinetic approach for an $e\bar{b}+p$ plasma created from the vacuum in a strong laser-generated electric field: The one-photon annihilation channel. <i>Physical Review D</i> , 2011 , 84,	4.9	21
148	Quarkonia and QGP studies. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2011 , 214, 137-142		4
147	Kinetics of Photon Radiation off an $e\bar{b}+$ Plasma Created from the Vacuum in a Strong Laser Field. <i>Contributions To Plasma Physics</i> , 2011 , 51, 451-456	1.4	5
146	Nonlocal Polyakov-Nambu-Jona-Lasinio model beyond mean field and the QCD phase transition. <i>Physical Review D</i> , 2011 , 83,	4.9	58
145	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	1.2	63
144	Width of the QCD transition in a Polyakov-loop Dyson-Schwinger equation model. <i>Physical Review D</i> , 2011 , 84,	4.9	29
143	Bulk Properties of Strongly Interacting Matter. <i>Lecture Notes in Physics</i> , 2011 , 39-334	0.8	11
142	In-Medium Excitations. <i>Lecture Notes in Physics</i> , 2011 , 335-529	0.8	17
141	How strange are compact star interiors?. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2010 , 37, 094063	0.63	20
140	Symmetry energy of dilute warm nuclear matter. <i>Physical Review Letters</i> , 2010 , 104, 202501	7.4	131
139	Charmonium suppression at RHIC and SPS: a unified approach. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2010 , 37, 094053	2.9	
138	Hybrid Neutron Stars Based on a Modified PNJL Model. <i>Progress of Theoretical Physics Supplement</i> , 2010 , 186, 81-86		22
137	Composition and thermodynamics of nuclear matter with light clusters. <i>Physical Review C</i> , 2010 , 81,	2.7	461

136	Nonlocal quark model beyond mean field. <i>Physics of Particles and Nuclei</i> , 2010 , 41, 921-923	0.7	3
135	Self-consistent description of e^-e^+ plasma created from the vacuum in a strong electric laser field. <i>Physics of Particles and Nuclei</i> , 2010 , 41, 1004-1007	0.7	5
134	Nonlocal quark model beyond mean field and QCD phase transition. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2010 , 198, 51-54		4
133	Charmonium suppression at RHIC and SPS: A hadronic baseline. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 690, 352-357	4.2	3
132	Charmonium and bottomonium in heavy-ion collisions. <i>Progress in Particle and Nuclear Physics</i> , 2010 , 65, 209-266	10.6	126
131	A proposal for testing subcritical vacuum pair production with high power lasers. <i>High Energy Density Physics</i> , 2010 , 6, 166-170	1.2	11
130	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	1.3	157
129	The Influence of Pauli Blocking Effects on the Mott Transition in Dense Hydrogen. <i>Springer Series in Materials Science</i> , 2010 , 37-61	0.9	5
128	BECBCS Crossover in Strongly Interacting Matter. <i>Springer Series in Materials Science</i> , 2010 , 161-182	0.9	3
127	Sequential deconfinement of quark flavors in neutron stars. <i>Physical Review C</i> , 2009 , 80,	2.7	24
126	Neutron Stars and the High Density Equation of State 2009 ,		1
125	Conformal transformations and conformal invariance in gravitation. <i>Annalen Der Physik</i> , 2009 , 18, 13-32	2.6	71
124	Optical Properties of the e^-e^+ Plasma Generated in the Focal Spot of a High-Intensity Laser. <i>Contributions To Plasma Physics</i> , 2009 , 49, 602-608	1.4	3
123	Dynamical Schwinger effect and high-intensity lasers. Realising nonperturbative QED. <i>European Physical Journal D</i> , 2009 , 55, 341-358	1.3	32
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