Kai Schwenzer

List of Publications by Year
in descending order

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41	1,496	331670	395702
papers	citations	21 h-index	33 g-index

41	41	41	1459
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	QCD and strongly coupled gauge theories: challenges and perspectives. European Physical Journal C, 2014, 74, 2981.	3.9	397
2	The quarkâ€“gluon vertex in Landau gauge QCD: Its role in dynamical chiral symmetry breaking and quark confinement. Annals of Physics, 2009, 324, 106-172.	2.8	139
3	Viscous Dissipation and Heat Conduction in Binary Neutron-Star Mergers. Physical Review Letters, 2018, 120, 041101.	7.8	107
4	GRAVITATIONAL WAVE EMISSION AND SPIN-DOWN OF YOUNG PULSARS. Astrophysical Journal, 2014, 781, 26.	4.5	60
5	Infrared singularities in Landau gauge Yang-Mills theory. Physical Review D, 2010, 81, .	4.7	59
6	The infrared behavior of Landau gauge Yangâ€“Mills theory in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>d</mml:mi><mml:mo>=</mml:mo><mml:mn>2</mml:mn></mml:math>, 3 and 4 dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 659, 434-440.	4.1	58
7	Non-Fermi liquid effects in QCD at high density. Physical Review D, 2004, 70, .	4.7	48
8	Neutrino emission from ungapped quark matter. Physical Review D, 2004, 70, .	4.7	47
9	Linking the quark meson model with QCD at high temperature. Physical Review D, 2004, 70, .	4.7	45
10	Large amplitude behavior of the bulk viscosity of dense matter. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 125202.	3.6	45
11	Viscous damping of r-modes: Small amplitude instability. Physical Review D, 2012, 85, .	4.7	45
12	Infrared behavior of three-point functions inÂLandauÂgaugeÂYangâ€“Mills theory. European Physical Journal C, 2009, 62, 761-781.	3.9	44
13	Signatures for quark matter from multi-messenger observations. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 114001.	3.6	44
14	What the Timing of Millisecond Pulsars Can Teach us about Their Interior. Physical Review Letters, 2014, 113, 251102.	7.8	42
15	Algorithmic derivation of Dysonâ€“Schwinger equations. Computer Physics Communications, 2009, 180, 965-976.	7.5	40
16	On the infrared scaling solution of SU(N) Yangâ€“Mills theories inÂthe maximally Abelian gauge. European Physical Journal C, 2010, 68, 581-600.	3.9	36
17	Viscous damping of r-modes: Large amplitude saturation. Physical Review D, 2012, 85, .	4.7	36
18	Gravitational wave emission from oscillating millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 2015, 446, 3631-3641.	4.4	32

#	Article	IF	Citations
19	r-mode astronomy. European Physical Journal A, 2016, 52, 1.	2.5	29
20	Phase conversion dissipation in multicomponent compact stars. Physical Review C, 2015, 91, .	2.9	26
21	On the infrared behavior of Landau Gauge Yangâ€“Mills theory with a fundamentally charged scalar field. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 688, 237-243.	4.1	23
22	X-ray bounds on the r-mode amplitude in millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2560-2569.	4.4	15
23	Renormalization group flow in large Nc. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 526, 79-89.	4.1	14
24	Low-Energy Dynamics in Ultradegenerate QCD Matter. Physical Review Letters, 2006, 97, 092301.	7.8	14
25	Bridging the Gap by Squeezing Superfluid Matter. Physical Review Letters, 2012, 108, 111102.	7.8	10
26	Strengthening the bounds on the r-mode amplitude with X-ray observations of millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2734-2749.	4.4	9
27	Probing dense matter in compact star cores with radio pulsar data. Nuclear Physics A, 2014, 931, 740-745.	1.5	7
28	Unifying nucleon and quark dynamics at finite baryon number density. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 473, 25-28.	4.1	6
29	Isolated Neutron Stars. , 2021, , 1-28.		4
30	Spectrum of the Dirac operator in the linearÏƒmodel with quarks. Physical Review D, 2002, 65, .	4.7	3
31	WHAT THE INFRARED BEHAVIOR OF QCD VERTEX FUNCTIONS IN LANDAU GAUGE CAN TELL US ABOUT CONFINEMENT. International Journal of Modern Physics E, 2007, 16, 2720-2732.	1.0	3
32	On the connection between Hamilton and Lagrange formalism in quantum field theory. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 085003.	3.6	2
33	Non-linear viscous saturation of r-modes. , 2011, , .		2
34	Impact of r-modes on the cooling of neutron stars. , 2012, , .		2
35	Resolution-dependent quark masses from meson correlators. Physical Review C, 2003, 67, .	2.9	1
36	Perturbative QCD results in the strong coupling regime of dense matter. Nuclear Physics A, 2007, 785, 241-244.	1.5	1

#	Article	IF	Citations
37	Suprathermal viscosity of dense matter. , 2010, , .		1
38	C7 multi-messenger astronomy of GW sources. General Relativity and Gravitation, 2014, 46, 1.	2.0	0
39	RENORMALIZATION GROUP APPROACH TO THE PHASE DIAGRAM OF STRONG INTERACTION. , 2003, , .		0
40	NON FERMI LIQUID EFFECTS IN DENSE MATTER AND COMPACT STAR COOLING. , 2005, , .		0
41	Isolated Neutron Stars. , 2022, , 527-554.		0