

Emil T Akhmedov

List of Publications by Year in descending order

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65
papers

1,776
citations

331670

21
h-index

276875

41
g-index

65
all docs

65
docs citations

65
times ranked

514
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermalization with Non-Zero Initial Anomalous Quantum Averages. Universe, 2022, 8, 162.	2.5	2
2	Free energy and entropy in Rindler and de Sitter space-times. Physical Review D, 2022, 105, .	4.7	5
3	Loop corrections to cosmological particle creation. Physical Review D, 2022, 105, .	4.7	2
4	Interacting quantum fields in various charts of anti-de Sitter spacetime. Physical Review D, 2021, 103, .	4.7	5
5	Curved space equilibration versus flat space thermalization: A short review. Modern Physics Letters A, 2021, 36, 2130020.	1.2	10
6	Currents of created pairs in strong electric fields. International Journal of Modern Physics A, 2021, 36, 2150134.	1.5	2
7	Heating up an environment around black holes and inside de Sitter space. Physical Review D, 2021, 103, .	4.7	15
8	Quantum fields in the future Rindler wedge. Physical Review D, 2021, 104, .	4.7	11
9	Secularly growing loop corrections in scalar wave background. Journal of High Energy Physics, 2020, 2020, 1.	4.7	8
10	Out-of-Equilibrium Two-Dimensional Yukawa Theory in a Strong Scalar Wave Background. Proceedings of the Steklov Institute of Mathematics, 2020, 309, 12-30.	0.3	4
11	Quantum fields in the static de Sitter universe. Physical Review D, 2020, 102, .	4.7	12
12	Quantization in background scalar fields. Physical Review D, 2020, 101, .	4.7	9
13	Characters of different secular effects in various patches of de Sitter space. Physical Review D, 2019, 99, .	4.7	34
14	Corrections to the Aretakis-type behavior of the metric due to an infalling particle. Physical Review D, 2019, 99, .	4.7	0
15	Propagators and Gaussian effective actions in various patches of de Sitter space. Physical Review D, 2019, 100, .	4.7	15
16	Selected Special Functions for Fundamental Physics. SpringerBriefs in Physics, 2019, , .	0.7	10
17	Quantum heating as an alternative of reheating. Physical Review D, 2018, 97, .	4.7	14
18	Ultraviolet phenomena in AdS self-interacting quantum field theory. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6

#	ARTICLE	IF	CITATIONS
19	Dynamical Casimir effect and loop corrections. Physical Review D, 2017, 96, .	4.7	18
20	Symmetries at the black hole horizon. Physical Review D, 2017, 96, .	4.7	12
21	Infrared dynamics of massive scalars from the complementary series in de Sitter space. Physical Review D, 2017, 96, .	4.7	32
22	Hawking radiation and secularly growing loop corrections. Physical Review D, 2016, 93, .	4.7	50
23	Method for distinguishing very compact stellar objects from black holes. Physical Review D, 2016, 93, .	4.7	7
24	A few more comments on secularly growing loop corrections in strong electric fields. Journal of High Energy Physics, 2015, 2015, 1.	4.7	38
25	Secularly growing loop corrections in strong electric fields. Journal of High Energy Physics, 2014, 2014, 1.	4.7	37
26	Experimental Tests of Quantum Gravity and Exotic Quantum Field Theory Effects. Advances in High Energy Physics, 2014, 2014, 1-2.	1.1	3
27	LECTURE NOTES ON INTERACTING QUANTUM FIELDS IN DE SITTER SPACE. International Journal of Modern Physics D, 2014, 23, 1430001.	2.1	117
28	Infrared dynamics of the massive $\tilde{\phi}^4$ theory on de Sitter space. Physical Review D, 2013, 88, .	4.7	45
29	Physical meaning and consequences of the loop infrared divergences in global de Sitter space. Physical Review D, 2013, 87, .	4.7	30
30	Solution of the Dyson-Schwinger equation on a de Sitter background in the infrared limit. Physical Review D, 2012, 86, .	4.7	33
31	Comparative study of loop contributions in AdS and dS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 138-142.	4.1	10
32	De sitter space and perpetuum mobile. Physics of Atomic Nuclei, 2012, 75, 525-529.	0.4	32
33	IR divergences and kinetic equation in de Sitter space. (Poincare patch; principal series). Journal of High Energy Physics, 2012, 2012, 1.	4.7	50
34	Hints on integrability in the Wilsonian/holographic renormalization group. JETP Letters, 2011, 93, 545-550.	1.4	11
35	A simple way to take into account back reaction on pair creation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 267-270.	4.1	14
36	REAL OR IMAGINARY? ON PAIR CREATION IN DE SITTER SPACE. Modern Physics Letters A, 2010, 25, 2815-2823.	1.2	38

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37	Exact statement for Wilsonian and holographic renormalization group. <i>Physical Review D</i> , 2010, 81, .	4.7	6
38	Classical radiation by free-falling charges in deSitter spacetime. <i>Physical Review D</i> , 2010, 82, .	4.7	26
39	Gluing of surfaces with polygonal boundaries. <i>Functional Analysis and Its Applications</i> , 2009, 43, 245-253.	0.4	5
40	Review of modern string theory. <i>Physics of Atomic Nuclei</i> , 2009, 72, 1574-1600.	0.4	1
41	Comments on QED with background electric fields. <i>New Journal of Physics</i> , 2009, 11, 103048.	2.9	16
42	On the physical meaning of the Unruh effect. <i>JETP Letters</i> , 2008, 86, 615-619.	1.4	24
43	Interacting field theories in de Sitter space are nonunitary. <i>Physical Review D</i> , 2008, 78, .	4.7	47
44	SUBTLETIES IN THE QUASI-CLASSICAL CALCULATION OF HAWKING RADIATION. <i>International Journal of Modern Physics D</i> , 2008, 17, 2453-2458.	2.1	142
45	THERMAL RADIATION OF VARIOUS GRAVITATIONAL BACKGROUNDS. <i>International Journal of Modern Physics A</i> , 2007, 22, 1705-1715.	1.5	127
46	ON THE RELATION BETWEEN UNRUH AND SOKOLOV'S TERNOV EFFECTS. <i>International Journal of Modern Physics A</i> , 2007, 22, 4797-4823.	1.5	60
47	Hawking temperature in the tunneling picture. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 642, 124-128.	4.1	271
48	The theory of non-Abelian tensor fields: Gauge transformations and curvature. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 2006, 147, 509-523.	0.9	1
49	Simplicial vs. continuum string theory and loop equations. <i>JETP Letters</i> , 2005, 81, 357-360.	1.4	3
50	Comment on the Surface Exponential for Tensor Fields. <i>JETP Letters</i> , 2005, 81, 639.	1.4	6
51	Toward a Theory of Non-Abelian Tensor Fields. <i>Theoretical and Mathematical Physics(Russian)</i> Tj ETQq1 1 0.784314rgBT /Overlock 10	0.9	1
52	Expansion in Feynman graphs as simplicial string theory. <i>JETP Letters</i> , 2004, 80, 218-225.	1.4	14
53	On a modification of the boundary-state formalism in off-shell string theory. <i>JETP Letters</i> , 2003, 77, 1-6.	1.4	13
54	On the relation between effective supersymmetric actions in different dimensions. <i>Physics of Atomic Nuclei</i> , 2003, 66, 2238-2244.	0.4	4

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55	Non-Abelian structures in BSFT and RR couplings. AIP Conference Proceedings, 2002, , .	0.4	0
56	Non-commutative Gross-Neveu model at large N. Journal of High Energy Physics, 2001, 2001, 009-009.	4.7	11
57	Correspondence between supersymmetric Yang-Mills and supergravity theories. Physics-Uspexhi, 2001, 44, 955-971.	2.2	3
58	On unification of RR couplings. Journal of High Energy Physics, 2001, 2001, 040-040.	4.7	8
59	Running couplings and triviality of field theories on noncommutative spaces. Physical Review D, 2001, 64, .	4.7	12
60	Title is missing!. International Journal of Modern Physics A, 2000, 15, 1.	1.5	1
61	D-instantons probing D3-branes and the AdS-CFT correspondence. Physical Review D, 1999, 59, .	4.7	7
62	Dyon condensation and the Aharonov-Bohm effect. JETP Letters, 1998, 67, 389-393.	1.4	6
63	A remark on the AdS/CFT correspondence and the renormalization group flow. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 442, 152-158.	4.1	151
64	Quantum theory of strings in an Abelian Higgs model. Physical Review D, 1996, 53, 2087-2095.	4.7	58
65	Fermionic string from Abelian Higgs model with monopoles and \hat{T} -term. JETP Letters, 1996, 64, 82-86.	1.4	5