

# Silviu S Pufu

## List of Publications by Year in descending order

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78  
papers

5,041  
citations

61984

43  
h-index

85541

71  
g-index

79  
all docs

79  
docs citations

79  
times ranked

1740  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards the F-theorem: $\mathcal{N} = 2$ field theories on the three-sphere. Journal of High Energy Physics, 2011, 2011, 1.	4.7	357
2	The gravity dual of a $p$ -wave superconductor. Journal of High Energy Physics, 2008, 2008, 033-033.	4.7	326
3	F-theorem without supersymmetry. Journal of High Energy Physics, 2011, 2011, 1.	4.7	206
4	Thermodynamics and Bulk Viscosity of Approximate Black Hole Duals to Finite Temperature Quantum Chromodynamics. Physical Review Letters, 2008, 101, 131601.	7.8	205
5	Superconductors from Superstrings. Physical Review Letters, 2009, 103, 141601.	7.8	200
6	Localization techniques in quantum field theories. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 440301.	2.1	154
7	Bulk viscosity of strongly coupled plasmas with holographic duals. Journal of High Energy Physics, 2008, 2008, 085-085.	4.7	117
8	Bootstrapping 3D fermions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	117
9	The $\mathcal{N} = 8$ superconformal bootstrap in three dimensions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	112
10	Gluon energy loss in the gauge-string duality. Journal of High Energy Physics, 2008, 2008, 052-052.	4.7	108
11	Entropy production in collisions of gravitational shock waves and of heavy ions. Physical Review D, 2008, 78, .	4.7	99
12	Exact correlators of BPS Operators from the 3d superconformal bootstrap. Journal of High Energy Physics, 2015, 2015, 1.	4.7	99
13	Correlation functions of Coulomb branch operators. Journal of High Energy Physics, 2017, 2017, 1.	4.7	98
14	Multimatrix models and tri-Sasaki Einstein spaces. Physical Review D, 2011, 83, .	4.7	92
15	Rényi entropies for free field theories. Journal of High Energy Physics, 2012, 2012, 1.	4.7	90
16	Expanding plasmas and quasinormal modes of anti-de Sitter black holes. Journal of High Energy Physics, 2007, 2007, 080-080.	4.7	87
17	Sonic Booms and Diffusion Wakes Generated by a Heavy Quark in Thermal Gauge-String Duality. Physical Review Letters, 2008, 100, 012301.	7.8	83
18	AdS description of induced higher-spin gauge theory. Journal of High Energy Physics, 2013, 2013, 1.	4.7	82

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19	The holography of F -maximization. Journal of High Energy Physics, 2014, 2014, 1.	4.7	81
20	$\mathcal{N} = 4$ Super-Yang-Mills correlators at strong coupling from string theory and localization. Journal of High Energy Physics, 2019, 2019, 1.	4.7	78
21	Quantum critical superconductors in string theory and M-theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 683, 201-204.	4.1	76
22	Exact results for five-dimensional superconformal field theories with gravity duals. Journal of High Energy Physics, 2014, 2014, 1.	4.7	76
23	Holography for $\mathcal{N} = 2^*$ on $S^4$ . Journal of High Energy Physics, 2014, 2014, 1.	4.7	75
24	On shape dependence and RG flow of entanglement entropy. Journal of High Energy Physics, 2012, 2012, 1.	4.7	67
25	From necklace quivers to the F -theorem, operator counting, and T (U(N)). Journal of High Energy Physics, 2011, 2011, 1.	4.7	64
26	Bootstrapping 3D fermions with global symmetries. Journal of High Energy Physics, 2018, 2018, 1.	4.7	64
27	A one-dimensional theory for Higgs branch operators. Journal of High Energy Physics, 2018, 2018, 1.	4.7	63
28	An exact quantization of Jackiw-Teitelboim gravity. Journal of High Energy Physics, 2019, 2019, 1.	4.7	63
29	The second sound of SU(2). Journal of High Energy Physics, 2009, 2009, 126-126.	4.7	62
30	Entanglement entropy of 3-d conformal gauge theories with many flavors. Journal of High Energy Physics, 2012, 2012, 1.	4.7	62
31	Off-center collisions in AdS5 with applications to multiplicity estimates in heavy-ion collisions. Journal of High Energy Physics, 2009, 2009, 050-050.	4.7	61
32	Towards bootstrapping QED3. Journal of High Energy Physics, 2016, 2016, 1.	4.7	59
33	Stress tensor of a quark moving through $\mathcal{N}=4$ thermal plasma. Physical Review D, 2007, 75, .	4.7	58
34	Coulomb branch operators and mirror symmetry in three dimensions. Journal of High Energy Physics, 2018, 2018, 1.	4.7	58
35	The M-theory S-matrix from ABJM: beyond 11D supergravity. Journal of High Energy Physics, 2018, 2018, 1.	4.7	55
36	Far beyond the planar limit in strongly-coupled $\mathcal{N} = 4$ SYM. Journal of High Energy Physics, 2021, 2021, 1.	4.7	51

#	ARTICLE	IF	CITATIONS
37	Three-sphere free energy for classical gauge groups. Journal of High Energy Physics, 2014, 2014, 1.	4.7	49
38	Accidental symmetries and the conformal bootstrap. Journal of High Energy Physics, 2016, 2016, 1.	4.7	49
39	Modular invariance in superstring theory from $\mathcal{N} = 4$ super-Yang-Mills. Journal of High Energy Physics, 2020, 2020, 1.	4.7	49
40	Anomalous dimensions of monopole operators in three-dimensional quantum electrodynamics. Physical Review D, 2014, 89, .	4.7	47
41	Solving M-theory with the conformal bootstrap. Journal of High Energy Physics, 2018, 2018, 1.	4.7	47
42	Energy disturbances due to a moving quark from gauge-string duality. Journal of High Energy Physics, 2007, 2007, 108-108.	4.7	43
43	New modular invariants in $\mathcal{N} = 4$ Super-Yang-Mills theory. Journal of High Energy Physics, 2021, 2021, 1.	4.7	43
44	Anomalous dimensions of scalar operators in QED3. Journal of High Energy Physics, 2016, 2016, 1.	4.7	42
45	Scaling dimensions of monopole operators in the $\mathbb{C}P^{N-1}$ theory in $2 + 1$ dimensions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	40
46	Low-lying gravitational modes in the scalar sector of the global AdS4 black hole. Journal of High Energy Physics, 2007, 2007, 023-023.	4.7	38
47	Bootstrapping $\mathcal{N} = 4$ Super-Yang-Mills theory. Journal of High Energy Physics, 2018, 2018, 1.	4.7	38
48	Decoding a three-dimensional conformal manifold. Journal of High Energy Physics, 2018, 2018, 1.	4.7	38
49	AdS4/CFT3 from weak to strong string coupling. Journal of High Energy Physics, 2020, 2020, 1.	4.7	37
50	The M-theory archipelago. Journal of High Energy Physics, 2020, 2020, 1.	4.7	37
51	Coulomb branch quantization and abelianized monopole bubbling. Journal of High Energy Physics, 2019, 2019, 1.	4.7	36
52	Is renormalized entanglement entropy stationary at RG fixed points?. Journal of High Energy Physics, 2012, 2012, 1.	4.7	33
54	Absence of D4R4 in M-theory from ABJM. Journal of High Energy Physics, 2020, 2020, 1.	4.7	33

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55	The squashed, stretched, and warped gets perturbed. Journal of High Energy Physics, 2009, 2009, 019-019.	4.7	32
56	Bootstrapping $O(N)$ vector models with four supercharges in 3 + 1 d. Journal of High Energy Physics, 2016, 2016, 1.	4.7	32
57	Holography for $N = 1$ on $S^4$ . Journal of High Energy Physics, 2016, 2016, 1.	4.7	32
58	Boundary terms and three-point functions: an AdS/CFT puzzle resolved. Journal of High Energy Physics, 2017, 2017, 1.	4.7	30
59	Monopole operators in $U(1)$ Chern-Simons-matter theories. Journal of High Energy Physics, 2018, 2018, 1.	4.7	30
60	Emergent quantum near-criticality from baryonic black branes. Journal of High Energy Physics, 2010, 2010, 1.	4.7	29
61	M-branes and metastable states. Journal of High Energy Physics, 2011, 2011, 1.	4.7	29
62	Master field treatment of metric perturbations sourced by the trailing string. Nuclear Physics B, 2008, 790, 42-71.	2.5	28
63	Operator counting and eigenvalue distributions for 3D supersymmetric gauge theories. Journal of High Energy Physics, 2011, 2011, 1.	4.7	25
64	Monopoles in 2 + 1-dimensional conformal field theories with global $U(1)$ symmetry. Journal of High Energy Physics, 2013, 2013, 1.	4.7	25
65	Monopole operators from the $4\pi$ expansion. Journal of High Energy Physics, 2016, 2016, 1.	4.7	24
66	Stability of strings binding heavy-quark mesons. Journal of High Energy Physics, 2007, 2007, 079-079.	4.7	21
67	Shock waves from heavy-quark mesons in AdS/CFT. Journal of High Energy Physics, 2008, 2008, 108-108.	4.7	21
68	The $F$ -theorem and $F$ -maximization. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 443008.	2.1	21
69	Membranes with topological charge and $AdS_4$ . Physical Review D, 2010, 81, ...	4.7	20
70	Fermion-scalar conformal blocks. Journal of High Energy Physics, 2016, 2016, 1-20.	4.7	20
71	Chern-Simons theory from M5-branes and calibrated M2-branes. Journal of High Energy Physics, 2019, 2019, 1.	4.7	20
72	A new duality between $N = 8$ superconformal field theories in three dimensions. Journal of High Energy Physics, 2018, 2018, 1.	4.7	15

#	ARTICLE	IF	CITATIONS
73	The 3d $\mathcal{N} = 6$ bootstrap: from higher spins to strings to membranes. Journal of High Energy Physics, 2021, 2021, 1.	4.7	12
74	A bispinor formalism for spinning Witten diagrams. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
75	Green's functions and non-singlet glueballs on deformed conifolds. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 055404.	2.1	4
76	ENERGY LOSS IN A STRONGLY COUPLED THERMAL MEDIUM AND THE GAUGE-STRING DUALITY., 2010, , 1-59.		3
77	The holographic contributions to the sphere free energy. Journal of High Energy Physics, 2022, 2022, 1.	4.7	3
78	The $\mathcal{N} = 2$ prepotential and the sphere free energy. Journal of High Energy Physics, 2022, 2022, .	4.7	2