

# Stephen L Adler

## List of Publications by Year in descending order

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60  
papers

5,256  
citations

361045

20  
h-index

133063

59  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2650  
citing authors

#	ARTICLE	IF	CITATIONS
1	Are astrophysical black holes leaky?. International Journal of Modern Physics D, 2022, 31, .	0.9	4
2	Hubble parameter and related formulas for a Weyl scaling invariant dark energy action. International Journal of Modern Physics D, 2021, 30, 2150044.	0.9	2
3	Covariance group for null geodesic expansion calculations, and its application to the apparent horizon. International Journal of Modern Physics D, 2021, 30, .	0.9	3
4	Is dark energy a quantum vacuum energy?. Modern Physics Letters A, 2021, 36, .	0.5	7
5	Chiral anomaly calculation in the extended coupled Rarita-Schwinger model. Physical Review D, 2019, 99, .	1.6	5
6	Analysis of an SU(8) model with a spin-1/2 field directly coupled to a gauged Rarita-Schwinger spin-3/2 field. International Journal of Modern Physics A, 2019, 34, 1950230.	0.5	2
7	Implications of a frame dependent dark energy for the spacetime metric, cosmography, and effective Hubble constant. Physical Review D, 2019, 100, .	1.6	14
8	Analysis of a gauged model with a spin-1/2 field directly coupled to a Rarita-Schwinger spin-3/2 field. Physical Review D, 2018, 97, .	1.6	10
9	Free field structure of the model with a spin-3/2 Rarita-Schwinger field directly coupled to a spin-1/2 field. Journal of Mathematical Physics, 2018, 59, 102302.	0.5	0
10	Connecting the Dots: Mott for Emulsions, Collapse Models, Colored Noise, Frame Dependence of Measurements, Evasion of the Free Will Theorem. Foundations of Physics, 2018, 48, 1557-1567.	0.6	4
11	Bulk heating effects as tests for collapse models. Physical Review A, 2018, 97, .	1.0	37
12	Canonical field anticommutators in the extended gauged Rarita-Schwinger theory. Physical Review D, 2017, 96, .	1.6	7
13	Peres experiment using photons: No test for hypercomplex (quaternionic) quantum theories. Physical Review A, 2017, 95, .	1.0	6
14	Implications of a frame dependent gravitational effective action for perturbations on the Robertson-Walker metric. International Journal of Modern Physics D, 2017, 26, 1750159.	0.9	5
15	Coleman-Weinberg symmetry breaking in SU(8) induced by a third rank antisymmetric tensor scalar field II: the fermion spectrum. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 295401.	0.7	2
16	Collinearity constraints for on-shell massless particle three-point functions, and implications for allowed-forbidden n+1-point functions. Physical Review D, 2016, 93, .	1.6	1
17	A frame-dependent gravitational effective action mimics a cosmological constant, but modifies the black hole horizon. International Journal of Modern Physics D, 2016, 25, 1643001.	0.9	5
18	Coleman-Weinberg symmetry breaking in SU(8) induced by a third rank antisymmetric tensor scalar field. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 315401.	0.7	5

#	ARTICLE	IF	CITATIONS
19	Classical gauged massless Rarita-Schwinger fields. <i>Physical Review D</i> , 2015, 92, .	1.6	17
20	Quantized gauged massless Rarita-Schwinger fields. <i>Physical Review D</i> , 2015, 92, .	1.6	7
21	Phases with modular ground states for symmetry breaking by rank 3 and rank 2 antisymmetric tensor scalars. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 742, 231-235.	1.5	1
22	Spherically symmetric vacuum solutions arising from trace dynamics modifications to gravitation. <i>International Journal of Modern Physics D</i> , 2015, 24, 1550011.	0.9	12
23	SU(n)symmetry breaking by rank three and rank two antisymmetric tensor scalars. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 744, 380-384.	1.5	2
24	SU(8) family unification with boson-fermion balance. <i>International Journal of Modern Physics A</i> , 2014, 29, 1450130.	0.5	17
25	Incorporating gravity into trace dynamics: the induced gravitational action. <i>Classical and Quantum Gravity</i> , 2013, 30, 195015.	1.5	9
26	MODELING THE FLYBY ANOMALIES WITH DARK MATTER SCATTERING: UPDATE WITH ADDITIONAL DATA AND FURTHER PREDICTIONS. <i>International Journal of Modern Physics A</i> , 2013, 28, 1350074.	0.5	13
27	On spontaneous photon emission in collapse models. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 245304.	0.7	31
28	Special Issue on Spin Statistics. <i>Foundations of Physics</i> , 2010, 40, 681-683.	0.6	1
29	MODELING THE FLYBY ANOMALIES WITH DARK MATTER SCATTERING. <i>International Journal of Modern Physics A</i> , 2010, 25, 4577-4588.	0.5	18
30	Planet-bound dark matter and the internal heat of Uranus, Neptune, and hot-Jupiter exoplanets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 671, 203-206.	1.5	23
31	Is Quantum Theory Exact?. <i>Science</i> , 2009, 325, 275-276.	6.0	115
32	Can the flyby anomaly be attributed to earth-bound dark matter?. <i>Physical Review D</i> , 2009, 79, .	1.6	32
33	Collapse models with non-white noises: II. Particle-density coupled noises. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 395308.	0.7	30
34	Placing direct limits on the mass of earth-bound dark matter. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 412002.	0.7	20
35	Lower and upper bounds on CSL parameters from latent image formation and IGM heating. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, 2935-2957.	0.7	149
36	Photon-emission rate from atomic systems in the CSL model. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, 13395-13406.	0.7	39

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37	Lower and upper bounds on CSL parameters from latent image formation and IGM-heating. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 13501-13501.	0.7	19
38	Collapse models with non-white noises. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 15083-15098.	0.7	77
39	Towards Quantum Superpositions of a Mirror: An Exact Open Systems Analysis. Physical Review Letters, 2005, 94, 030401.	2.9	56
40	Why decoherence has not solved the measurement problem: a response to P.W. Anderson. Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics, 2003, 34, 135-142.	1.4	127
41	Weisskopf-Wigner decay theory for the energy-driven stochastic Schrödinger equation. Physical Review D, 2003, 67, .	1.6	24
42	Environmental influence on the measurement process in stochastic reduction models. Journal of Physics A, 2002, 35, 841-858.	1.6	30
43	Should E8 SUSY Yang-Mills be reconsidered as a family unification model?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 533, 121-125.	1.5	13
44	Completing the Square to Find the Supersymmetric Matter Effective Action Induced by Coupling to Linearized N=1 Supergravity. Annals of Physics, 2001, 290, 11-26.	1.0	3
45	Symmetry Breaking for Matter Coupled to Linearized Supergravity from the Perspective of the Current Supermultiplet. General Relativity and Gravitation, 2001, 33, 2109-2117.	0.7	0
46	Derivation of the Lindblad generator structure by use of the Itô stochastic calculus. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 265, 58-61.	0.9	23
47	Structure and properties of Hughston's stochastic extension of the Schrödinger equation. Journal of Mathematical Physics, 2000, 41, 2485-2499.	0.5	50
48	Remarks on a proposed Super-Kamiokande test for quantum gravity induced decoherence effects. Physical Review D, 2000, 62, .	1.6	30
49	Scalar exchange forces and generalized most-attractive-channel rule. Physical Review D, 2000, 63, .	1.6	2
50	Higgs boson mass bounds in the three- and six-Higgs doublet models for family structure. Physical Review D, 1999, 60, .	1.6	6
51	Gauge fixing in the partition function for generalized quantum dynamics. Journal of Mathematical Physics, 1998, 39, 1723-1729.	0.5	1
52	Coherent states in quaternionic quantum mechanics. Journal of Mathematical Physics, 1997, 38, 2117-2126.	0.5	18
53	The matrix model for M theory as an exemplar of trace (or generalized quantum) dynamics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 407, 229-233.	1.5	2
54	Generalized quantum dynamics as pre-quantum mechanics. Nuclear Physics B, 1996, 473, 199-244.	0.9	42

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55	Algebraic and geometric aspects of generalized quantum dynamics. Physical Review D, 1994, 49, 6705-6708.	1.6	11
56	Generalized quantum dynamics. Nuclear Physics B, 1994, 415, 195-242.	0.9	55
57	Proof of Jacobi identity in generalized quantum dynamics. Journal of Mathematical Physics, 1994, 35, 531-535.	0.5	11
58	Axial-Vector Vertex in Spinor Electrodynamics. Physical Review, 1969, 177, 2426-2438.	2.7	3,514
59	Tests of the Conserved Vector Current and Partially Conserved Axial-Vector Current Hypotheses in High-Energy Neutrino Reactions. Physical Review, 1964, 135, B963-B966.	2.7	223
60	Gravitation and the Noise Needed in Objective Reduction Models. , 0, , 390-399.		8