

Adam Ritz

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

6,958
citations

66343

42
h-index

69250

77
g-index

92
all docs

92
docs citations

92
times ranked

7338
citing authors

#	ARTICLE	IF	CITATIONS
1	Secluded WIMP dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 662, 53-61.	4.1	830
2	Electric dipole moments as probes of new physics. Annals of Physics, 2005, 318, 119-169.	2.8	764
3	A facility to search for hidden particles at the CERN SPS: the SHiP physics case. Reports on Progress in Physics, 2016, 79, 124201.	20.1	496
4	Astrophysical signatures of secluded dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 391-397.	4.1	426
5	Exploring portals to a hidden sector through fixed targets. Physical Review D, 2009, 80, .	4.7	301
6	Flavor physics of leptons and dipole moments. European Physical Journal C, 2008, 57, 13-182.	3.9	297
7	Bosonic super-WIMPs as keV-scale dark matter. Physical Review D, 2008, 78, .	4.7	225
8	Towards Hydrodynamics without an Entropy Current. Physical Review Letters, 2012, 109, 101601.	7.8	202
9	Direct detection constraints on dark photon dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 331-338.	4.1	193
10	Probing a secluded $U(1)$ at B factories. Physical Review D, 2009, 79, .	4.7	186
11	Observing a light dark matter beam with neutrino experiments. Physical Review D, 2011, 84, .	4.7	173
12	Theta-Induced Electric Dipole Moment of the Neutron via QCD Sum Rules. Physical Review Letters, 1999, 83, 2526-2529.	7.8	137
13	Neutron electric dipole moment from electric and chromoelectric dipole moments of quarks. Physical Review D, 2001, 63, .	4.7	124
14	Electric dipole moments in the MSSM at large $\tan^2\beta$. Nuclear Physics B, 2004, 680, 339-374.	2.5	122
15	Direct detection of multicomponent secluded WIMPs. Physical Review D, 2009, 79, .	4.7	107
16	Parity-violating hydrodynamics in $2 + 1$ dimensions. Journal of High Energy Physics, 2012, 2012, 1.	4.7	107
17	Probing CP violation with the deuteron electric dipole moment. Physical Review D, 2004, 70, .	4.7	97
18	Light dark matter in neutrino beams: Production modeling and scattering signatures at MiniBooNE, T2K, and SHiP. Physical Review D, 2017, 95, .	4.7	96

#	ARTICLE	IF	CITATIONS
19	CKM benchmarks for electron electric dipole moment experiments. Physical Review D, 2014, 89, .	4.7	93
20	Multilepton signatures of a hidden sector in rare $B \rightarrow \mu^+ \mu^-$ decays. Physical Review D, 2011, 83, .	4.7	89
21	Cosmological constraints on very dark photons. Physical Review D, 2014, 90, .	4.7	88
22	Theta vacua, QCD sum rules, and the neutron electric dipole moment. Nuclear Physics B, 2000, 573, 177-200.	2.5	83
23	Signatures of sub-GeV dark matter beams at neutrino experiments. Physical Review D, 2012, 86, .	4.7	82
24	Hadronic electric dipole moments, the Weinberg operator, and light gluinos. Physical Review D, 2003, 67, .	4.7	80
25	Leptophobic dark matter at neutrino factories. Physical Review D, 2014, 90, .	4.7	80
26	Directly Detecting MeV-Scale Dark Matter Via Solar Reflection. Physical Review Letters, 2018, 120, 141801.	7.8	79
27	Weyl corrections to holographic conductivity. Physical Review D, 2009, 79, .	4.7	74
28	The galactic 511 keV line from electroweak scale WIMPs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 651, 208-215.	4.1	71
29	Light new physics in coherent neutrino-nucleus scattering experiments. Physical Review D, 2015, 92, .	4.7	69
30	CP-odd phase correlations and electric dipole moments. Physical Review D, 2005, 72, .	4.7	66
31	Solar gamma rays powered by secluded dark matter. Physical Review D, 2010, 81, .	4.7	66
32	Chiral conductivities and effective field theory. Journal of High Energy Physics, 2013, 2013, 1.	4.7	65
33	Muon anomalous magnetic moment through the leptonic Higgs portal. Physical Review D, 2017, 95, .	4.7	65
34	Modified Higgs branching ratios versus C and P and lepton flavor violation. Physical Review D, 2012, 86, .	4.7	62
35	The Forward Physics Facility: Sites, experiments, and physics potential. Physics Reports, 2022, 968, 1-50.	25.6	57
36	Higgs decays to dark matter: Beyond the minimal model. Physical Review D, 2011, 84, .	4.7	54

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37	On thermal fluctuations and the generating functional in relativistic hydrodynamics. Journal of High Energy Physics, 2015, 2015, 1.	4.7	53
38	New limits on dark photons from solar emission and keV scale dark matter. Physical Review D, 2020, 102, .	4.7	51
39	Baryonic clues to the puzzling diversity of dwarf galaxy rotation curves. Monthly Notices of the Royal Astronomical Society, 2020, 495, 58-77.	4.4	50
40	Universal conductivity and central charges. Physical Review D, 2008, 78, .	4.7	48
41	Electric dipole moment constraints on minimal electroweak baryogenesis. Physical Review D, 2007, 75, .	4.7	45
42	Electric dipole moment signatures of PeV-scale superpartners. Physical Review D, 2013, 87, .	4.7	42
43	Information geometry of finite Ising models. Journal of Geometry and Physics, 2003, 47, 207-220.	1.4	34
44	Enhanced worldvolume supersymmetry and intersecting domain walls in $N=1$ supersymmetric QCD. Physical Review D, 2004, 70, .	4.7	32
45	Black Holes and Universality Classes of Critical Points. Physical Review Letters, 2008, 100, 171606.	7.8	28
46	Cosmological beam dump: Constraints on dark scalars mixed with the Higgs boson. Physical Review D, 2019, 99, .	4.7	27
47	LSND constraints on the Higgs portal. Physical Review D, 2020, 102, .	4.7	27
48	Sensitivity of EDM experiments in paramagnetic atoms and molecules to hadronic CP violation. Physical Review D, 2020, 102, .	4.7	24
49	Sub-GeV dark matter production at fixed-target experiments. Physical Review D, 2020, 102, .	4.7	23
50	Resonant scattering and recombination of pseudodegenerate WIMPs. Physical Review D, 2008, 78, .	4.7	22
51	Flavor- and CP-Violating Physics from New Supersymmetric Thresholds. Physical Review Letters, 2006, 96, 091801.	7.8	21
52	THE LOW ENERGY EFFECTIVE LAGRANGIAN FOR PHOTON INTERACTIONS IN ANY DIMENSION. International Journal of Modern Physics A, 1996, 11, 253-269.	1.5	17
53	Solar reflection of dark matter. Physical Review D, 2021, 104, .	4.7	17
54	Sensitivity to new supersymmetric thresholds through flavor and CP violating physics. Physical Review D, 2006, 74, .	4.7	15

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55	On the phase structure of the 3D SU(2)-Higgs model and the electroweak phase transition. Nuclear Physics B, 1998, 517, 599-621.	2.5	14
56	Black hole energy extraction via a stationary scalar analog of the Blandford-Znajek mechanism. Physical Review D, 2016, 93, .	4.7	13
57	The theta term in QCD sum rules and the electric dipole moment of the vector meson. Nuclear Physics B, 1999, 558, 243-258.	2.5	12
58	Holography and the Polyakov action. Physical Review D, 2002, 65, .	4.7	12
59	Hadron electric dipole moments from CP-odd operators of dimension five via QCD sum rules: the vector meson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 471, 388-395.	4.1	11
60	Dark sector production via proton bremsstrahlung. Physical Review D, 2022, 105, .	4.7	11
61	Hydrodynamic effective field theory and the analyticity of hydrostatic correlators. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
62	Sensitivity to light weakly-coupled new physics at the precision frontier. Physical Review D, 2015, 92, .	4.7	7
63	Note on classical string dynamics on AdS3. Physical Review D, 1999, 60, .	4.7	6
64	Electric dipole moments from dark sectors. Physical Review D, 2019, 100, .	4.7	6
65	Long-range axion forces and hadronic $\langle C \rangle$ violation. Physical Review D, 2022, 105, .	4.7	6
66	Restoration of isotropy for spin models. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 233, 430-436.	2.1	5
67	CP-violation and electric dipole moments. Hyperfine Interactions, 2013, 214, 87-95.	0.5	5
68	Kerr-AdS black holes and force-free magnetospheres. Physical Review D, 2014, 89, .	4.7	5
69	A non-associative deformation of Yang-Mills gauge theory. Chaos, Solitons and Fractals, 1997, 8, 835-845.	5.1	4
70	Central charges, S-duality and massive vacua of $\langle C \rangle$ violation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 471, 388-395.	4.1	3
71	Probing new -odd physics with electric dipole moments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 611, 117-123.	1.6	3
72	Probing CP Violation with Electric Dipole Moments. Advanced Series on Directions in High Energy Physics, 2009, , 439-518.	0.7	2

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73	PROBING UNIVERSALITY IN AdS/CFT. International Journal of Modern Physics A, 2010, 25, 433-443.	1.5	2
74	Cosmic Microwave Background Constraints on Very Dark Photons. Physics Procedia, 2015, 61, 689-693.	1.2	2
75	DOMAIN WALL JUNCTIONS IN $\mathcal{N} = 1$ SUPER YANG-MILLS AND QUANTUM HALL EDGES. , 2007, , .		2
76	Nonperturbative Expansion, Renormalons and β -Decay. Modern Physics Letters A, 1997, 12, 1361-1368.	1.2	1
77	CONFORMAL MAPPING, POWER CORRECTIONS, AND THE QCD BOUND STATE SPECTRUM. International Journal of Modern Physics A, 1998, 13, 3929-3952.	1.5	1
78	A q-Lorentz algebra from q-deformed harmonic oscillators. Chaos, Solitons and Fractals, 1997, 8, 823-834.	5.1	0
79	Probing new CP-odd thresholds with electric dipole moments. Canadian Journal of Physics, 2007, 85, 597-606.	1.1	0
80	Probing flavor- and CP-violating physics at new supersymmetric thresholds. AIP Conference Proceedings, 2007, , .	0.4	0
81	Signatures of pseudo-degenerate WIMP dark matter. AIP Conference Proceedings, 2007, , .	0.4	0
82	Probing hidden sectors via the U(1) portal. , 2010, , .		0
83	Probing Universality in AdS/CFT. , 2010, , .		0
84	Illuminating sub-GeV dark matter with neutrino beams. , 2013, , .		0
85	Probes of universality in AdS/CFT. Journal of Physics: Conference Series, 2013, 462, 012044.	0.4	0
86	Nucleosynthesis constraints on the faint vector portal. EPJ Web of Conferences, 2015, 96, 01024.	0.3	0
87	SUPERSIZING WORLDVOLUME SUPERSYMMETRY: BPS DOMAIN WALLS AND JUNCTIONS IN SQCD. , 2004, , .		0
88	Râ€“SYMMETRIES, ALGEBRAIC GEOMETRY, AND AdS/CFT. , 2005, , 1708-1727.		0
89	Flavor physics of leptons and dipole moments. Advances in the Physics of Particles and Nuclei, 2009, , 1-170.	0.1	0
90	CP-violation and electric dipole moments. , 2013, , 87-95.		0