

Pei-Ming Ho

List of Publications by Year in descending order

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88
papers

2,898
citations

218677

26
h-index

175258

52
g-index

88
all docs

88
docs citations

88
times ranked

730
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-commutative open string and D-brane. Nuclear Physics B, 1999, 550, 151-168.	2.5	483
2	Constrained quantization of open string in background B field and non-commutative D-brane. Nuclear Physics B, 2000, 568, 447-456.	2.5	234
3	Noncommutative Quantum Mechanics from Noncommutative Quantum Field Theory. Physical Review Letters, 2002, 88, 151602.	7.8	172
4	Noncommutative spacetime, stringy spacetime uncertainty principle, and density fluctuations. Physical Review D, 2002, 66, .	4.7	159
5	M5 from M2. Journal of High Energy Physics, 2008, 2008, 105-105.	4.7	126
6	M2 to D2 revisited. Journal of High Energy Physics, 2008, 2008, 003-003.	4.7	113
7	Hyperbolic space cosmologies. Journal of High Energy Physics, 2003, 2003, 058-058.	4.7	100
8	M5-brane in three-form flux and multiple M2-branes. Journal of High Energy Physics, 2008, 2008, 014-014.	4.7	95
9	Lie 3-algebra and multiple M2-branes. Journal of High Energy Physics, 2008, 2008, 020-020.	4.7	73
10	A non-abelian self-dual gauge theory in 5+1 dimensions. Journal of High Energy Physics, 2011, 2011, 1.	4.7	58
11	Higher-dimensional geometries from matrix brane constructions. Nuclear Physics B, 2002, 627, 266-288.	2.5	52
12	A note on acceleration from product space compactification. Journal of High Energy Physics, 2003, 2003, 017-017.	4.7	52
13	Perturbative approach to higher derivative and nonlocal theories. Nuclear Physics B, 2002, 625, 151-165.	2.5	49
14	Noncommutative gauge theories in matrix theory. Physical Review D, 1998, 58, .	4.7	45
15	Fuzzy spheres in AdS/CFT correspondence and holography from noncommutativity. Nuclear Physics B, 2001, 596, 259-272.	2.5	45
16	Twisted bundle on quantum torus and BPS states in matrix theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 434, 41-47.	4.1	44
17	Noncommutative D-Brane in a Nonconstant NS-NSField Background. Physical Review Letters, 2000, 85, 5523-5526.	7.8	42
18	Solving all 4-point correlation functions for bosonic open string theory in the high-energy limit. Nuclear Physics B, 2005, 725, 352-382.	2.5	41

#	ARTICLE	IF	CITATIONS
19	Towards a noncommutative geometric approach to matrix compactification. Physical Review D, 1998, 58, .	4.7	40
20	Noncommutative geometry and D-branes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 398, 52-60.	4.1	39
21	Spacelike Brane Actions. Physical Review Letters, 2003, 90, 141601.	7.8	39
22	Ward identities and high energy scattering amplitudes in string theory. Nuclear Physics B, 2005, 708, 99-114.	2.5	39
23	High-Energy Zero-Norm States and Symmetries of String Theory. Physical Review Letters, 2006, 96, 171601.	7.8	34
24	Truncated Nambu-Poisson bracket and entropy formula for multiple membranes. Journal of High Energy Physics, 2008, 2008, 076-076.	4.7	30
25	D-instanton in AdS5 and instanton in SYM4. Nuclear Physics B, 1999, 541, 179-194.	2.5	29
26	The absence of horizon in black-hole formation. Nuclear Physics B, 2016, 909, 394-417.	2.5	28
27	Large N expansion from fuzzy AdS2. Nuclear Physics B, 2000, 590, 198-212.	2.5	27
28	Quantum space-times and finite effects in 4D super Yang-Mills theories. Nuclear Physics B, 2000, 573, 364-376.	2.5	25
29	A toy model of open membrane field theory in constant 3-form flux. General Relativity and Gravitation, 2007, 39, 913-944.	2.0	25
30	Lorentzian Lie (3-)algebra and toroidal compactification of M/string theory. Journal of High Energy Physics, 2009, 2009, 045-045.	4.7	23
31	Fuzzy Sphere from Matrix Model. Journal of High Energy Physics, 2000, 2000, 015-015.	4.7	21
32	Cubic String Field Theory in pp-wave Background and Background Independent Moyal Structure. Journal of High Energy Physics, 2002, 2002, 003-003.	4.7	20
33	Time evolution via S-branes. Physical Review D, 2003, 68, .	4.7	20
34	Noncommutative differential calculus for a D-brane in a nonconstant B-field background with H=0. Physical Review D, 2001, 64, .	4.7	19
35	Large N cosmology. Journal of Cosmology and Astroparticle Physics, 2004, 2004, 011-011.	5.4	19
36	Perturbative approach to higher derivative theories with fermions. Physical Review D, 2002, 66, .	4.7	18

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37	Poisson Algebra of Differential Forms. International Journal of Modern Physics A, 1997, 12, 5573-5587.	1.5	17
38	More on the Nambu-Poisson M5-brane theory: scaling limit, background independence and an all order solution to the Seiberg-Witten map. Journal of High Energy Physics, 2010, 2010, 1.	4.7	17
39	Lagrangian formulations of self-dual gauge theories in diverse dimensions. Nuclear Physics B, 2010, 837, 1-21.	2.5	17
40	Comment on self-consistent model of black hole formation and evaporation. Journal of High Energy Physics, 2015, 2015, 1.	4.7	17
41	Effective action for Dp-brane in large RR ($p \hat{=} 1$)-form background. Journal of High Energy Physics, 2013, 2013, 1.	4.7	16
42	Static black holes with back reaction from vacuum energy. Classical and Quantum Gravity, 2018, 35, 065012.	4.0	16
43	Worldvolume uncertainty relations for D-branes. Physical Review D, 1999, 60, .	4.7	15
44	Note on non-Abelian two-form gauge fields. Journal of High Energy Physics, 2012, 2012, 1.	4.7	14
45	Asymptotic black holes. Classical and Quantum Gravity, 2017, 34, 085006.	4.0	14
46	On the near-horizon geometry of an evaporating black hole. Journal of High Energy Physics, 2018, 2018, 1.	4.7	14
47	The quantum 2-sphere as a complex quantum manifold. Zeitschrift für Physik C-Particles and Fields, 1996, 70, 339-344.	1.5	13
48	Comments on the high energy limit of bosonic open string theory. Nuclear Physics B, 2006, 749, 266-279.	2.5	13
49	Back reaction of 4D conformal fields on static black-hole geometry. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
50	The Nambu bracket and M-theory. Progress of Theoretical and Experimental Physics, 2016, 2016, 06A104.	6.6	12
51	Static black hole and vacuum energy: thin shell and incompressible fluid. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
52	Firewall from Effective Field Theory. Universe, 2021, 7, 241.	2.5	12
53	Aspects of effective theory for multiple M5-branes compactified on circle. Journal of High Energy Physics, 2014, 2014, 1.	4.7	11
54	Matrix theory in a constant C field background. Nuclear Physics B, 2000, 574, 275-287.	2.5	10

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55	Making non-associative algebra associative. Journal of High Energy Physics, 2001, 2001, 026-026.	4.7	10
56	D-brane in R-R field background. Journal of High Energy Physics, 2011, 2011, 1.	4.7	10
57	BPS states on M5-brane in large C-field background. Journal of High Energy Physics, 2012, 2012, 1.	4.7	10
58	Riemannian Geometry on Quantum Spaces. International Journal of Modern Physics A, 1997, 12, 923-943.	1.5	9
59	Linear relations among four-point functions in the high energy limit of string theory. Physical Review D, 2006, 73, .	4.7	9
60	S-duality for D3-brane in NS-NS and R-R backgrounds. Journal of High Energy Physics, 2014, 2014, 1.	4.7	9
61	BIRTH OF CLOSED STRINGS AND DEATH OF OPEN STRINGS DURING TACHYON CONDENSATION. Modern Physics Letters A, 2005, 20, 79-94.	1.2	8
62	Analytic description of semiclassical black-hole geometry. Physical Review D, 2020, 102, .	4.7	8
63	Trapping horizon and negative energy. Journal of High Energy Physics, 2019, 2019, 1.	4.7	7
64	Type-II B-string \leftrightarrow M-theory duality and longitudinal membranes in M(atric) theory. Physical Review D, 1998, 57, 2571-2579.	4.7	6
65	Virasoro algebra for particles with higher derivative interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 558, 238-244.	4.1	6
66	D1-brane in constant R-R 3-form flux and Nambu dynamics in string theory. Journal of High Energy Physics, 2011, 2011, 1.	4.7	6
67	From uneventful Horizon to firewall in D-dimensional effective theory. International Journal of Modern Physics A, 2021, 36, 2150145.	1.5	6
68	Some Complex Quantum Manifolds and their Geometry. NATO ASI Series Series B: Physics, 1997, , 281-322.	0.2	6
69	Planckian physics comes into play at Planckian distance from horizon. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
70	Partition function of a chiral boson on a 2-torus from the Floreanini-Jackiw Lagrangian. Progress of Theoretical and Experimental Physics, 2014, 2014, 33B02-0.	6.6	5
71	$q \rightarrow$ deformed dirac monopole with arbitrary charge. Zeitschrift für Physik C-Particles and Fields, 1996, 71, 171-177.	1.5	4
72	THE BRAIDED QUANTUM TWO-SPHERE. Modern Physics Letters A, 1996, 11, 307-316.	1.2	4

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73	Matrix compactification on orientifolds. <i>Physical Review D</i> , 1999, 60, .	4.7	4
74	Regularization of Newton constant, trans-Planckian dispersion relation and symmetry of particle spectrum. <i>Classical and Quantum Gravity</i> , 2004, 21, 2641-2649.	4.0	4
75	Nambu bracket for M theory. <i>Nuclear Physics A</i> , 2010, 844, 95c-108c.	1.5	4
76	Generalized Yang-Mills theory and gravity. <i>Physical Review D</i> , 2016, 93, .	4.7	4
77	Distance between collapsing matter and apparent horizon in evaporating black holes. <i>Physical Review D</i> , 2021, 104, .	4.7	4
78	Dimensional oxidization on coset space. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	3
79	Asymptotic states of black holes in KMY model. <i>Classical and Quantum Gravity</i> , 2020, 37, 035002.	4.0	3
80	UV-finite scalar field theory with unitarity. <i>Journal of High Energy Physics</i> , 2005, 2005, 026-026.	4.7	2
81	Zero-norm states and stringy symmetries. <i>Journal of Physics: Conference Series</i> , 2006, 33, 367-372.	0.4	2
82	Spacetime Singularity and AdS/CFT for Time Dependent Background. <i>Progress of Theoretical Physics Supplement</i> , 2007, 171, 133-139.	0.1	2
83	A UV completion of scalar field theory in arbitrary even dimensions. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	2
84	Geometry of the quantum complex projective space $CP^q(N)$. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996, 72, 163-170.	1.5	1
85	Nonlocal particles as strings. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 055202.	2.1	1
86	A no-go theorem for M5-brane theory. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	1
87	A UV completion of scalar electrodynamics. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	1
88	NONCOMMUTATIVE EARLY UNIVERSE. , 2002, , .		0