

Tatsu Takeuchi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4116722/publications.pdf>

Version: 2024-02-01

64
papers

5,049
citations

361413

20
h-index

161849

54
g-index

65
all docs

65
docs citations

65
times ranked

3449
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of oblique electroweak corrections. <i>Physical Review D</i> , 1992, 46, 381-409.	4.7	1,737
2	New constraint on a strongly interacting Higgs sector. <i>Physical Review Letters</i> , 1990, 65, 964-967.	7.8	1,435
3	Exact solution of the harmonic oscillator in arbitrary dimensions with minimal length uncertainty relations. <i>Physical Review D</i> , 2002, 65, .	4.7	280
4	Effect of the minimal length uncertainty relation on the density of states and the cosmological constant problem. <i>Physical Review D</i> , 2002, 65, .	4.7	276
5	Short distance versus long distance physics: The classical limit of the minimal length uncertainty relation. <i>Physical Review D</i> , 2002, 66, .	4.7	187
6	Quantum gravity, torsion, parity violation, and all that. <i>Physical Review D</i> , 2005, 72, .	4.7	155
7	Hydrogen-atom spectrum under a minimal-length hypothesis. <i>Physical Review A</i> , 2005, 72, .	2.5	144
8	Higher mass scales and mass hierarchies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989, 220, 223-228.	4.1	122
9	Analytical and numerical study of the Schwinger-Dyson equation with four-fermion coupling. <i>Physical Review D</i> , 1989, 40, 2697-2707.	4.7	57
10	Constraints on top-color assisted technicolor models from vertex corrections. <i>Physical Review D</i> , 1999, 60, .	4.7	45
11	NuTeV anomaly, lepton universality, and nonuniversal neutrino-gauge couplings. <i>Physical Review D</i> , 2004, 70, .	4.7	43
12	On the Minimal Length Uncertainty Relation and the Foundations of String Theory. <i>Advances in High Energy Physics</i> , 2011, 2011, 1-30.	1.1	37
13	High energy isospin breaking in technicolor theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989, 232, 211-216.	4.1	35
14	NuTeV anomaly, neutrino mixing, and a heavy Higgs boson. <i>Physical Review D</i> , 2003, 67, .	4.7	34
15	Analytical approximation of the neutrino oscillation matter effects at large \hat{l} . <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	30
16	Position and momentum uncertainties of the normal and inverted harmonic oscillators under the minimal length uncertainty relation. <i>Physical Review D</i> , 2011, 84, .	4.7	29
17	Universal Torsion-Induced Interaction from Large Extra Dimensions. <i>Physical Review Letters</i> , 2000, 85, 3765-3768.	7.8	23
18	Patil's Salam unification from noncommutative geometry and the TeV-scale WR boson. <i>International Journal of Modern Physics A</i> , 2016, 31, 1550223.	1.5	23

#	ARTICLE	IF	CITATIONS
19	B-decay anomalies and scalar leptoquarks in unified Pati-Salam models from noncommutative geometry. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	23
20	Constraining non-standard interactions of the neutrino with Borexino. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	22
21	Constraints on R-parity violating couplings from CERN LEP and SLAC SLD hadronic observables. <i>Physical Review D</i> , 2000, 62, .	4.7	20
22	Constraints on R-parity violating couplings from lepton universality. <i>Physical Review D</i> , 2000, 61, .	4.7	20
23	Quark-lepton unification and lepton flavor nonconservation from a TeV-scale seesaw neutrino mass texture. <i>Physical Review D</i> , 2003, 68, .	4.7	20
24	QUANTUM GRAVITY, DYNAMICAL ENERGY-MOMENTUM SPACE AND VACUUM ENERGY. <i>Modern Physics Letters A</i> , 2010, 25, 2947-2954.	1.2	20
25	Higgs mass, superconnections, and the TeV-scale left-right symmetric model. <i>Physical Review D</i> , 2015, 91, .	4.7	18
26	Analytic continuation by duality estimation of the S-parameter. <i>Physical Review D</i> , 2000, 61, .	4.7	15
27	Constraints on gauged $B-L$ and related theories. <i>Physical Review D</i> , 2001, 63, .	4.7	15
28	Modified dark matter: Relating dark energy, dark matter and baryonic matter. <i>International Journal of Modern Physics D</i> , 2018, 27, 1830001.	2.1	15
29	Constraints on two-Higgs-doublet models at large $\tan\beta$ from W and Z decays. <i>Physical Review D</i> , 2000, 62, .	4.7	13
30	The 750 GeV diphoton excess in unified $SU(2)_L \times SU(2)_R \times SU(4)$ models from noncommutative geometry. <i>Modern Physics Letters A</i> , 2016, 31, 1650101.	1.2	13
31	Constraints on flavor-diagonal non-standard neutrino interactions from Borexino Phase-II. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	13
32	The Higgs mass and the emergence of new physics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 724, 301-305.	4.1	12
33	GALOIS FIELD QUANTUM MECHANICS. <i>Modern Physics Letters B</i> , 2013, 27, 1350064.	1.9	10
34	Testing Modified Dark Matter with galaxy clusters: Does dark matter know about the cosmological constant?. <i>International Journal of Modern Physics A</i> , 2017, 32, 1750108.	1.5	10
35	The effects of coating culture dishes with collagen on fibroblast cell shape and swirling pattern formation. <i>Journal of Biological Physics</i> , 2020, 46, 351-369.	1.5	10
36	Running of oscillation parameters in matter with flavor-diagonal non-standard interactions of the neutrino. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	8

#	ARTICLE	IF	CITATIONS
37	On the physics of the minimal length: The question of gauge invariance. International Journal of Modern Physics A, 2016, 31, 1630012.	1.5	7
38	Higgs inflation, vacuum stability, and leptogenesis. Journal of High Energy Physics, 2020, 2020, 1.	4.7	7
39	Quantum \mathbb{F}_m : the $q \rightarrow 1$ limit of Galois field quantum mechanics, projective geometry and the field with one element. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 405304.	2.1	6
40	Pendulum Leptogenesis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 184-190.	4.1	6
41	Ratchet baryogenesis and an analogy with the forced pendulum. Modern Physics Letters A, 2018, 33, 1850097.	1.2	6
42	Predictions of m_b/m_c and m_t in an asymptotically nonfree theory. Physical Review D, 1997, 56, 1589-1597.	4.7	5
43	Leptonic CP violation search and the ambiguity of m_{312} . Physical Review D, 2006, 73, .	4.7	5
44	Spin and rotations in Galois field quantum mechanics. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 065304.	2.1	5
45	Biorthogonal quantum mechanics: super-quantum correlations and expectation values without definite probabilities. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 485306.	2.1	5
46	QUANTUM SYSTEMS BASED UPON GALOIS FIELDS " FROM SUB-QUANTUM TO SUPER-QUANTUM CORRELATIONS. International Journal of Modern Physics A, 2014, 29, 1430006.	1.5	4
47	Jackiw-Johnson sum rule for dynamical symmetry breaking. Physical Review D, 1990, 41, 3192-3196.	4.7	3
48	Spekkens' Toy Model, Finite Field Quantum Mechanics, and the Role of Linearity. Journal of Physics: Conference Series, 2019, 1275, 012036.	0.4	3
49	Interference and oscillation in Nambu quantum mechanics. Physical Review D, 2021, 104, .	4.7	3
50	Ratchet Model of Baryogenesis. , 2011, , .		3
51	Bell's Inequalities, Superquantum Correlations, and String Theory. Advances in High Energy Physics, 2011, 2011, 1-11.	1.1	2
52	Some mutant forms of quantum mechanics. , 2012, , .		2
53	Position and momentum uncertainties of a particle in a V-shaped potential under the minimal length uncertainty relation. International Journal of Modern Physics A, 2015, 30, 1550206.	1.5	2
54	Dark matter, dark energy and fundamental acceleration. International Journal of Modern Physics D, 2020, 29, 2043030.	2.1	2

#	ARTICLE	IF	CITATIONS
55	Neutrino oscillations at JUNO, the Born rule, and Sorkin's triple path interference. Physical Review D, 2022, 105, .	4.7	2
56	ACD estimation of the S-parameter revisited. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 401, 287-293.	4.1	1
57	Dynamical dark energy and infinite statistics. International Journal of Modern Physics A, 0, , .	1.5	1
58	Future constraints on and from lepton universality. Journal of Physics: Conference Series, 2008, 136, 042045.	0.4	0
59	IS QUANTUM GRAVITY A SUPER-QUANTUM THEORY?. International Journal of Modern Physics D, 2013, 22, 1342025.	2.1	0
60	QUANTUM SYSTEMS BASED UPON GALOIS FIELDS " FROM SUB-QUANTUM TO SUPER-QUANTUM CORRELATIONS. , 2014, , .		0
61	THE W MASS AND THE U PARAMETER. , 2003, , .		0
62	THE EFFECT OF TOPCOLOR ASSISTED TECHNICOLOR, AND OTHER MODELS, ON NEUTRINO OSCILLATION. , 2008, , .		0
63	On the Physics of the Minimal Length: The Question of Gauge Invariance. , 2016, , .		0
64	Modified dark matter. , 2017, , .		0