

Tatsu Takeuchi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56
papers

4,075
citations

20
h-index

63
g-index

65
ext. papers

4,430
ext. citations

3.6
avg, IF

5.22
L-index

#	Paper	IF	Citations
56	New constraint on a strongly interacting Higgs sector. <i>Physical Review Letters</i> , 1990 , 65, 964-967	7.4	1256
55	Estimation of oblique electroweak corrections. <i>Physical Review D</i> , 1992 , 46, 381-409	4.9	1205
54	Effect of the minimal length uncertainty relation on the density of states and the cosmological constant problem. <i>Physical Review D</i> , 2002 , 65,	4.9	248
53	Exact solution of the harmonic oscillator in arbitrary dimensions with minimal length uncertainty relations. <i>Physical Review D</i> , 2002 , 65,	4.9	248
52	Short distance versus long distance physics: The classical limit of the minimal length uncertainty relation. <i>Physical Review D</i> , 2002 , 66,	4.9	154
51	Hydrogen-atom spectrum under a minimal-length hypothesis. <i>Physical Review A</i> , 2005 , 72,	2.6	126
50	Quantum gravity, torsion, parity violation, and all that. <i>Physical Review D</i> , 2005 , 72,	4.9	124
49	Higher mass scales and mass hierarchies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 220, 223-228	4.2	120
48	Analytical and numerical study of the Schwinger-Dyson equation with four-fermion coupling. <i>Physical Review D</i> , 1989 , 40, 2697-2707	4.9	52
47	Constraints on top-color assisted technicolor models from vertex corrections. <i>Physical Review D</i> , 1999 , 60,	4.9	45
46	NuTeV anomaly, lepton universality, and nonuniversal neutrino-gauge couplings. <i>Physical Review D</i> , 2004 , 70,	4.9	37
45	High energy isospin breaking in technicolor theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 232, 211-216	4.2	35
44	NuTeV anomaly, neutrino mixing, and a heavy Higgs boson. <i>Physical Review D</i> , 2003 , 67,	4.9	30
43	Position and momentum uncertainties of the normal and inverted harmonic oscillators under the minimal length uncertainty relation. <i>Physical Review D</i> , 2011 , 84,	4.9	28
42	On the Minimal Length Uncertainty Relation and the Foundations of String Theory. <i>Advances in High Energy Physics</i> , 2011 , 2011, 1-30	1	28
41	Analytical approximation of the neutrino oscillation matter effects at large $\bar{\nu}_3$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	22
40	Universal torsion-induced interaction from large extra dimensions. <i>Physical Review Letters</i> , 2000 , 85, 3765-8	7.4	21

39	PatiSalam unification from noncommutative geometry and the TeV-scale WR boson. <i>International Journal of Modern Physics A</i> , 2016 , 31, 1550223	1.2	21
38	Constraints on R-parity violating couplings from CERN LEP and SLAC SLD hadronic observables. <i>Physical Review D</i> , 2000 , 62,	4.9	20
37	Constraints on R-parity violating couplings from lepton universality. <i>Physical Review D</i> , 2000 , 61,	4.9	20
36	QUANTUM GRAVITY, DYNAMICAL ENERGY-MOMENTUM SPACE AND VACUUM ENERGY. <i>Modern Physics Letters A</i> , 2010 , 25, 2947-2954	1.3	19
35	Quark-lepton unification and lepton flavor nonconservation from a TeV-scale seesaw neutrino mass texture. <i>Physical Review D</i> , 2003 , 68,	4.9	17
34	B-decay anomalies and scalar leptoquarks in unified Pati-Salam models from noncommutative geometry. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17
33	Constraining non-standard interactions of the neutrino with Borexino. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	16
32	Higgs mass, superconnections, and the TeV-scale left-right symmetric model. <i>Physical Review D</i> , 2015 , 91,	4.9	15
31	Analytic continuation by duality estimation of the S parameter. <i>Physical Review D</i> , 2000 , 61,	4.9	15
30	Modified dark matter: Relating dark energy, dark matter and baryonic matter. <i>International Journal of Modern Physics D</i> , 2018 , 27, 1830001	2.2	14
29	Constraints on two-Higgs-doublet models at large $\tan\beta$ from W and Z decays. <i>Physical Review D</i> , 2000 , 62,	4.9	13
28	Constraints on gauged $BB\bar{L}$ and related theories. <i>Physical Review D</i> , 2001 , 63,	4.9	12
27	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	4.2	11
26	The 750 GeV diphoton excess in unified $SU(2)_L \times U(2)_R \times U(4)$ models from noncommutative geometry. <i>Modern Physics Letters A</i> , 2016 , 31, 1650101	1.3	9
25	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	1.2	9
24	GALOIS FIELD QUANTUM MECHANICS. <i>Modern Physics Letters B</i> , 2013 , 27, 1350064	1.6	8
23	Constraints on flavor-diagonal non-standard neutrino interactions from Borexino Phase-II. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	6
22	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	5.4	5

21	Predictions of m_b/m_s and m_t in an asymptotically nonfree theory. <i>Physical Review D</i> , 1997 , 56, 1589-1597.	4.9	5
20	Ratchet baryogenesis and an analogy with the forced pendulum. <i>Modern Physics Letters A</i> , 2018 , 33, 1850097	0.9	4
19	Higgs inflation, vacuum stability, and leptogenesis. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	4
18	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	1.6	4
17	On the physics of the minimal length: The question of gauge invariance. <i>International Journal of Modern Physics A</i> , 2016 , 31, 1630012	1.2	4
16	QUANTUM SYSTEMS BASED UPON GALOIS FIELDS [FROM SUB-QUANTUM TO SUPER-QUANTUM CORRELATIONS. <i>International Journal of Modern Physics A</i> , 2014 , 29, 1430006	1.2	3
15	Quantum \mathbb{F}_q : the $q=1$ limit of Galois field quantum mechanics, projective geometry and the field with one element. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014 , 47, 405304	2	3
14	Spin and rotations in Galois field quantum mechanics. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013 , 46, 065304	2	3
13	Leptonic CP violation search and the ambiguity of θ_{12} . <i>Physical Review D</i> , 2006 , 73,	4.9	3
12	Jackiw-Johnson sum rule for dynamical symmetry breaking. <i>Physical Review D</i> , 1990 , 41, 3192-3196	4.9	3
11	Ratchet Model of Baryogenesis 2011 ,		3
10	Pendulum Leptogenesis. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 785, 184-190	4.2	3
9	Position and momentum uncertainties of a particle in a V-shaped potential under the minimal length uncertainty relation. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1550206	1.2	2
8	Bell's Inequalities, Superquantum Correlations, and String Theory. <i>Advances in High Energy Physics</i> , 2011 , 2011, 1-11	1	2
7	Biorthogonal quantum mechanics: super-quantum correlations and expectation values without definite probabilities. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013 , 46, 485306	2	1
6	Some mutant forms of quantum mechanics 2012 ,		1
5	ACD estimation of the S-parameter revisited. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 401, 287-293	4.2	1
4	Spekkens Toy Model, Finite Field Quantum Mechanics, and the Role of Linearity. <i>Journal of Physics: Conference Series</i> , 2019 , 1275, 012036	0.3	0

- 3 IS QUANTUM GRAVITY A SUPER-QUANTUM THEORY?. *International Journal of Modern Physics D*, **2013**, 22, 1342025 2.2
- 2 Future constraints on and from lepton universality. *Journal of Physics: Conference Series*, **2008**, 136, 042045
- 1 Dark matter, dark energy and fundamental acceleration. *International Journal of Modern Physics D*, **2020**, 29, 2043030 2.2