

Atushi Tanaka

List of Publications by Year in descending order

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34
papers

395
citations

840776

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all docs

34
docs citations

34
times ranked

193
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamical aspects of quantum entanglement for weakly coupled kicked tops. <i>Physical Review E</i> , 2003, 67, 066201.	2.1	107
2	Saturation of the production of quantum entanglement between weakly coupled mapping systems in a strongly chaotic region. <i>Physical Review E</i> , 2002, 66, 045201.	2.1	54
3	Quasienergy Anholonomy and its Application to Adiabatic Quantum State Manipulation. <i>Physical Review Letters</i> , 2007, 98, 160407.	7.8	26
4	Quantum mechanical entanglements with chaotic dynamics. <i>Journal of Physics A</i> , 1996, 29, 5475-5497.	1.6	17
5	New anatomy of quantum holonomy. <i>Europhysics Letters</i> , 2009, 85, 20001.	2.0	17
6	Cheon's anholonomies in Floquet operators. <i>Physical Review A</i> , 2007, 76, .	2.5	15
7	Phase Space Caustics in Multicomponent Systems. <i>Physical Review Letters</i> , 1998, 80, 1414-1417.	7.8	14
8	Semiclassical theory of weak values. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002, 297, 307-312.	2.1	14
9	Exotic quantum holonomy in Hamiltonian systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 374, 144-149.	2.1	13
10	Quantum suppression of chaotic tunnelling. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, F397-F405.	2.1	12
11	Quantum holonomy in the Lieb-Liniger model. <i>Physical Review A</i> , 2013, 87, .	2.5	12
12	Adiabatic quantum computation along quasienergies. <i>Physical Review A</i> , 2010, 81, .	2.5	9
13	A unified theory of quantum holonomies. <i>Annals of Physics</i> , 2009, 324, 1340-1359.	2.8	8
14	Exotic quantum holonomy induced by degeneracy hidden in complex parameter space. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 1958-1961.	2.1	8
15	Quantum anholonomies in time-dependent Aharonov-Bohm rings. <i>Physical Review A</i> , 2010, 82, .	2.5	7
16	Adiabatic Theorem for Discrete Time Evolution. <i>Journal of the Physical Society of Japan</i> , 2011, 80, 125002.	1.6	7
17	Dynamical Aspects of Quantum Entanglement for Coupled Mapping Systems. <i>Journal of the Physical Society of Japan</i> , 2003, 72, 111-114.	1.6	6
18	Recovery of chaotic tunneling due to destruction of dynamical localization by external noise. <i>Physical Review E</i> , 2009, 80, 046204.	2.1	6

#	ARTICLE	IF	CITATIONS
19	Dynamical Tunneling in Many-Dimensional Chaotic Systems. <i>Physical Review Letters</i> , 2010, 104, 224102.	7.8	6
20	Determination of the border between “shallow” and “deep” tunneling regions for the Herman-Kluk method by the asymptotic approach. <i>Physical Review A</i> , 2006, 73, .	2.5	5
21	Bloch vector, disclination and exotic quantum holonomy. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 1693-1698.	2.1	5
22	Adiabatic excitation of a confined particle in one dimension with a variable infinitely sharp wall. <i>Physical Review A</i> , 2016, 93, .	2.5	5
23	EXAMPLES OF QUANTUM HOLONOMY WITH TOPOLOGY CHANGES. <i>Acta Polytechnica</i> , 2013, 53, 410-415.	0.6	4
24	Eigenvalue and eigenspace anholonomies in hierarchical systems. <i>Europhysics Letters</i> , 2011, 96, 10005.	2.0	3
25	Gauge invariants of eigenspace and eigenvalue anholonomies: examples in hierarchical quantum circuits. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 335305.	2.1	3
26	Exotic quantum holonomy and higher-order exceptional points in quantum kicked tops. <i>Physical Review E</i> , 2014, 89, 042904.	2.1	3
27	Complete population inversion of Bose particles by an adiabatic cycle. <i>New Journal of Physics</i> , 2016, 18, 045023.	2.9	3
28	Diffraction and tunneling in systems with mixed phase space. <i>Physical Review E</i> , 2012, 86, 036208.	2.1	2
29	Exotic quantum holonomy and non-Hermitian degeneracies in the two-body Lieb–Liniger model. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 315302.	2.1	2
30	Generating a nonequilibrium stationary state from a ground-state condensate through an almost adiabatic cycle. <i>Physical Review A</i> , 2020, 102, .	2.5	2
31	A Bracket Calculus for Adiabatic Descriptions of Quantum Composite Systems. <i>Journal of the Physical Society of Japan</i> , 2003, 72, 54-57.	1.6	0
32	Flooding of wave functions in multi-dimensional mixed systems and the possibility of experimental observation. , 2012, , .		0
33	THE WKB METHOD, COMPLEX-VALUED CLASSICAL TRAJECTORIES AND WEAK MEASUREMENTS. , 2002, , .		0
34	Path topology dependence of adiabatic time evolution. , 2017, , 531-542.		0