Toshikazu Sunada

List of Publications by Year
in descending order

46 papers	1,461 citations	331259 21 h-index	329751 37 g-index
49 all docs	49 docs citations	49 times ranked	338 citing authors

#	Article	IF	Citations
1	Riemannian Coverings and Isospectral Manifolds. Annals of Mathematics, 1985, 121, 169.	2.1	386
2	L-functions in geometry and some applications. Lecture Notes in Mathematics, 1986, , 266-284.	0.1	98
3	Closed orbits in homology classes. Publications Mathematiques De L'Institut Des Hautes Etudes Scientifiques, 1990, 71, 5-32.	2.2	85
4	Fundamental groups and Laplacians. Lecture Notes in Mathematics, 1988, , 248-277.	0.1	77
5	Standard realizations of crystal lattices via harmonic maps. Transactions of the American Mathematical Society, 2000, 353, 1-20.	0.5	64
6	Holomorphic equivalence problem for bounded Reinhardt domains. Mathematische Annalen, 1978, 235, 111-128.	0.7	59
7	Albanese Maps and Off Diagonal Long Time Asymptotics for the Heat Kernel. Communications in Mathematical Physics, 2000, 209, 633-670.	1.0	58
8	Topological Crystallography. , 2013, , .		54
9	Jacobian Tori Associated with a Finite Graph and Its Abelian Covering Graphs. Advances in Applied Mathematics, 2000, 24, 89-110.	0.4	41
10	Homology and Closed Geodesics in a Compact Riemann Surface. American Journal of Mathematics, 1988, 110, 145.	0.5	36
11	Asymptotic behavior of quantum walks on the line. Journal of Functional Analysis, 2012, 262, 2608-2645.	0.7	35
12	Asymptotic Behavior of the Transition Probability of a Random Walk on an Infinite Graph. Journal of Functional Analysis, 1998, 159, 664-689.	0.7	33
13	Lecture on topological crystallography. Japanese Journal of Mathematics, 2012, 7, 1-39.	0.8	32
14	Large deviation and the tangent cone at infinity of a crystal lattice. Mathematische Zeitschrift, 2006, 254, 837-870.	0.4	31
15	On the spectrum of periodic elliptic operators. Nagoya Mathematical Journal, 1992, 126, 159-171.	0.6	29
16	Unitary representations of fundamental groups and the spectrum of twisted Laplacians. Topology, 1989, 28, 125-132.	0.4	27
17	Discrete Schrödinger operators on a graph. Nagoya Mathematical Journal, 1992, 125, 141-150.	0.6	27
18	Periodic Schrödinger Operators on a Manifold. Forum Mathematicum, 1989, 1, .	0.3	26

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19	Homology of closed geodesics in a negatively curved manifold. Journal of Differential Geometry, 1987, 26, .	0.5	26
20	Twisted Perron-Frobenius theorem and L-functions. Journal of Functional Analysis, 1987, 71, 1-46.	0.7	25
21	Density of states in spectral geometry. Commentarii Mathematici Helvetici, 1993, 68, 480-493.	0.4	22
22	Rigidity of certain harmonic mappings. Inventiones Mathematicae, 1979, 51, 297-307.	1.3	20
23	Finiteness of the Family of Rational and Meromorphic Mappings Into Algebraic Varieties. American Journal of Mathematics, 1982, 104, 887.	0.5	20
24	Holomorphic mappings into a compact quotient of symmetric bounded domain. Nagoya Mathematical Journal, 1976, 64, 159-175.	0.6	19
25	Group C*-Algebras and the Spectrum of a Periodic SchrÃ¶dinger Operator on a Manifold. Canadian Journal of Mathematics, 1992, 44, 180-193.	0.3	19
26	Geometric Theory of Lattice Vibrations and Specific Heat. Pure and Applied Mathematics Quarterly, 2006, 2, 745-777.	0.2	16
27	Spectrum of a compact flat manifold. Commentarii Mathematici Helvetici, 1978, 53, 613-621.	0.4	14
28	Trace formula for Hillâ€™s operators. Duke Mathematical Journal, 1980, 47, 529.	0.8	11
29	Homology of closed geodesics in certain Riemannian manifolds. Proceedings of the American Mathematical Society, 1986, 96, 657-660.	0.4	7
30	Closed geodesics in a locally symmetric space. Tohoku Mathematical Journal, 1978, 30, .	0.4	5
31	On bounded Reinhardt domains. Proceedings of the Japan Academy Series A: Mathematical Sciences, 1974, 50, .	0.3	5
32	Gelâ€²fandâ€™s problem on unitary representations associated with discrete subgroups of {{???}}_2({{?}}). Bulletin of the American Mathematical Society, 1985, 12, 237-238.	0.8	4
33	Homology, Wiener integrals, and integrated densities of states. Journal of Functional Analysis, 1992, 106, 50-58.	0.7	4
34	Topics on Mathematical Crystallography. , 0, , 475-519.		3
35	Topological Crystals. , 2013, , 73-92.		3
36	Non-linear elliptic operators on a compact manifold and an implicit function theorem. Nagoya Mathematical Journal, 1975, 56, 175-200.	0.6	2

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37	Dynamical L-functions and homology of closed orbits. Bulletin of the American Mathematical Society, 1989, 20, 73-78.	0.8	2
38	The solution spaces of non-linear partial differential equations of elliptic type on compact manifolds. Proceedings of the Japan Academy Series A: Mathematical Sciences, 1973, 49, 385.	0.3	1
39	Homology Groups of Graphs. , 2013, , 37-51.		1
40	Covering Graphs. , 2013, , 53-70.		0
41	Standard Realizations. , 2013, , 93-124.		0
42	Generalities on Graphs. , 2013, , 21-35.		0
43	Random Walks on Topological Crystals. , 2013, , 155-180.		0
44	Quotient Objects. , 2013, , 11-20.		0
45	Explicit Construction. , 2013, , 125-152.		0
46	Discrete Abelâ€"Jacobi Maps. , 2013, , 181-200.		0