Alexander Strohmaier

List of Publications by Year
in descending order

31	345	840776	839539
papers	citations	11	18
		h-index	g-index

33	33	33	147
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Trace singularities in obstacle scattering and the Poisson relation for the relative trace. Annales Mathematiques Du Quebec, 2022, 46, 55-75.	0.2	0
2	The Birman-Krein formula for differential forms and electromagnetic scattering. Bulletin Des Sciences Mathematiques, 2022, , 103166.	1.0	0
3	A relative trace formula for obstacle scattering. Duke Mathematical Journal, 2022, 171, .	1.5	0
4	A Gutzwiller trace formula for stationary space-times. Advances in Mathematics, 2021, 376, 107434.	1.1	7
5	Computations of Eigenvalues and Resonances on Perturbed Hyperbolic Surfaces with Cusps. International Mathematics Research Notices, 2021, 2021, 4003-4050.	1.0	0
6	The Classical and Quantum Photon Field for Non-compact Manifolds with Boundary and in Possibly Inhomogeneous Media. Communications in Mathematical Physics, 2021, 387, 1441.	2.2	0
7	Spectral asymptotics on stationary space-times. Reviews in Mathematical Physics, 2021, 33, 2060007.	1.7	4
8	Geometric and obstacle scattering at low energy. Communications in Partial Differential Equations, 2020, 45, 1451-1511.	2.2	7
9	An index theorem for Lorentzian manifolds with compact spacelike Cauchy boundary. American Journal of Mathematics, 2019, 141, 1421-1455.	1.1	16
10	Heat kernel estimates for general boundary problems. Journal of Spectral Theory, 2016, 6, 903-919.	0.8	2
11	Riesz means of the counting function of the Laplace operator on compact manifolds of non-positive curvature. Journal of Spectral Theory, 2016, 6, 629-642.	0.8	0
12	A Rigorous Geometric Derivation of the Chiral Anomaly in Curved Backgrounds. Communications in Mathematical Physics, 2016, 347, 703-721.	2.2	19
13	The local counting function of operators of Dirac and Laplace type. Journal of Geometry and Physics, 2016, 104, 204-228.	1.4	4
14	Gupta–Bleuler Quantization of the Maxwell Field in Globally Hyperbolic Space-Times. Annales Henri Poincare, 2015, 16, 1837-1868.	1.7	13
15	Explicit bounds on eigenfunctions and spectral functions on manifolds hyperbolic near a point. Journal of the London Mathematical Society, 2014, 89, 917-940.	1.0	0
16	Scattering theory of the p-form Laplacian on manifolds with generalized cusps. Journal of Spectral Theory, 2014, 4, 177-209.	0.8	2
17	The theory of Hahn-meromorphic functions, a holomorphic Fredholm theorem, and its applications. Analysis and PDE, 2014, 7, 745-770.	1.4	12
18	An Algorithm for the Computation of Eigenvalues, Spectral Zeta Functions and Zeta-Determinants on Hyperbolic Surfaces. Communications in Mathematical Physics, 2013, 317, 827-869.	2.2	20

#	Article	IF	Citations
19	Scattering at Low Energies on Manifolds with Cylindrical Ends and Stable Systoles. Geometric and Functional Analysis, 2010, 20, 741-778.	1.8	11
20	Microlocal Analysis. Lecture Notes in Physics, 2009, , 85-127.	0.7	9
21	Huber's Theorem for Hyperbolic Orbisurfaces. Canadian Mathematical Bulletin, 2009, 52, 66-71.	0.5	8
22	On the spectrum of geometric operators on Kähler manifolds. Journal of Modern Dynamics, 2008, 2, 701-718.	0.5	4
23	High Energy Limits of Laplace-Type and Dirac-Type EigenFunctions and Frame Flows. Communications in Mathematical Physics, 2007, 270, 813-833.	2.2	13
24	High-energy limits of Laplace-type and Dirac-type eigenfunctions and frame flows. Electronic Research Announcements in Mathematical Sciences, 2006, 12, 87-94.	0.7	0
25	On noncommutative and pseudo-Riemannian geometry. Journal of Geometry and Physics, 2006, 56, 175-195.	1.4	52
26	Analytic continuation of resolvent kernels on noncompact symmetric spaces. Mathematische Zeitschrift, 2005, 250, 411-425.	0.9	16
27	Microlocal analysis of quantum fields on curved space–times: Analytic wave front sets and Reeh–Schlieder theorems. Journal of Mathematical Physics, 2002, 43, 5514-5530.	1.1	68
28	Fuzzy line bundles, the Chern character and topological charges over the fuzzy sphere. Journal of Geometry and Physics, 2002, 42, 54-63.	1.4	21
29	Semi-bounded restrictions of Dirac type operators and the unique continuation property. Differential Geometry and Its Applications, 2001, 15, 175-182.	0.5	5
30	The Reeh–Schlieder Property for Quantum Fields on Stationary Spacetimes. Communications in Mathematical Physics, 2000, 215, 105-118.	2.2	28
31	A Mathematical Analysis of Casimir Interactions I: The Scalar Field. Annales Henri Poincare, 0, , 1.	1.7	2