

Alexander Strohmaier

List of Publications by Year in descending order

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31
papers

345
citations

840776

11
h-index

839539

18
g-index

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all docs

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33
times ranked

147
citing authors

#	ARTICLE	IF	CITATIONS
1	Microlocal analysis of quantum fields on curved space-times: Analytic wave front sets and Reeh-Schlieder theorems. <i>Journal of Mathematical Physics</i> , 2002, 43, 5514-5530.	1.1	68
2	On noncommutative and pseudo-Riemannian geometry. <i>Journal of Geometry and Physics</i> , 2006, 56, 175-195.	1.4	52
3	The Reeh-Schlieder Property for Quantum Fields on Stationary Spacetimes. <i>Communications in Mathematical Physics</i> , 2000, 215, 105-118.	2.2	28
4	Fuzzy line bundles, the Chern character and topological charges over the fuzzy sphere. <i>Journal of Geometry and Physics</i> , 2002, 42, 54-63.	1.4	21
5	An Algorithm for the Computation of Eigenvalues, Spectral Zeta Functions and Zeta-Determinants on Hyperbolic Surfaces. <i>Communications in Mathematical Physics</i> , 2013, 317, 827-869.	2.2	20
6	A Rigorous Geometric Derivation of the Chiral Anomaly in Curved Backgrounds. <i>Communications in Mathematical Physics</i> , 2016, 347, 703-721.	2.2	19
7	Analytic continuation of resolvent kernels on noncompact symmetric spaces. <i>Mathematische Zeitschrift</i> , 2005, 250, 411-425.	0.9	16
8	An index theorem for Lorentzian manifolds with compact spacelike Cauchy boundary. <i>American Journal of Mathematics</i> , 2019, 141, 1421-1455.	1.1	16
9	High Energy Limits of Laplace-Type and Dirac-Type Eigenfunctions and Frame Flows. <i>Communications in Mathematical Physics</i> , 2007, 270, 813-833.	2.2	13
10	Gupta-Bleuler Quantization of the Maxwell Field in Globally Hyperbolic Space-Times. <i>Annales Henri Poincaré</i> , 2015, 16, 1837-1868.	1.7	13
11	The theory of Hahn-meromorphic functions, a holomorphic Fredholm theorem, and its applications. <i>Analysis and PDE</i> , 2014, 7, 745-770.	1.4	12
12	Scattering at Low Energies on Manifolds with Cylindrical Ends and Stable Systoles. <i>Geometric and Functional Analysis</i> , 2010, 20, 741-778.	1.8	11
13	Microlocal Analysis. <i>Lecture Notes in Physics</i> , 2009, , 85-127.	0.7	9
14	Huber's Theorem for Hyperbolic Orbisurfaces. <i>Canadian Mathematical Bulletin</i> , 2009, 52, 66-71.	0.5	8
15	Geometric and obstacle scattering at low energy. <i>Communications in Partial Differential Equations</i> , 2020, 45, 1451-1511.	2.2	7
16	A Gutzwiller trace formula for stationary space-times. <i>Advances in Mathematics</i> , 2021, 376, 107434.	1.1	7
17	Semi-bounded restrictions of Dirac type operators and the unique continuation property. <i>Differential Geometry and Its Applications</i> , 2001, 15, 175-182.	0.5	5
18	The local counting function of operators of Dirac and Laplace type. <i>Journal of Geometry and Physics</i> , 2016, 104, 204-228.	1.4	4

#	ARTICLE	IF	CITATIONS
19	Spectral asymptotics on stationary space-times. <i>Reviews in Mathematical Physics</i> , 2021, 33, 2060007.	1.7	4
20	On the spectrum of geometric operators on Kähler manifolds. <i>Journal of Modern Dynamics</i> , 2008, 2, 701-718.	0.5	4
21	Scattering theory of the p -form Laplacian on manifolds with generalized cusps. <i>Journal of Spectral Theory</i> , 2014, 4, 177-209.	0.8	2
22	Heat kernel estimates for general boundary problems. <i>Journal of Spectral Theory</i> , 2016, 6, 903-919.	0.8	2
23	A Mathematical Analysis of Casimir Interactions I: The Scalar Field. <i>Annales Henri Poincare</i> , 0, , 1.	1.7	2
24	High-energy limits of Laplace-type and Dirac-type eigenfunctions and frame flows. <i>Electronic Research Announcements in Mathematical Sciences</i> , 2006, 12, 87-94.	0.7	0
25	Explicit bounds on eigenfunctions and spectral functions on manifolds hyperbolic near a point. <i>Journal of the London Mathematical Society</i> , 2014, 89, 917-940.	1.0	0
26	Riesz means of the counting function of the Laplace operator on compact manifolds of non-positive curvature. <i>Journal of Spectral Theory</i> , 2016, 6, 629-642.	0.8	0
27	Computations of Eigenvalues and Resonances on Perturbed Hyperbolic Surfaces with Cusps. <i>International Mathematics Research Notices</i> , 2021, 2021, 4003-4050.	1.0	0
28	The Classical and Quantum Photon Field for Non-compact Manifolds with Boundary and in Possibly Inhomogeneous Media. <i>Communications in Mathematical Physics</i> , 2021, 387, 1441.	2.2	0
29	Trace singularities in obstacle scattering and the Poisson relation for the relative trace. <i>Annales Mathematiques Du Quebec</i> , 2022, 46, 55-75.	0.2	0
30	The Birman-Krein formula for differential forms and electromagnetic scattering. <i>Bulletin Des Sciences Mathematiques</i> , 2022, , 103166.	1.0	0
31	A relative trace formula for obstacle scattering. <i>Duke Mathematical Journal</i> , 2022, 171, .	1.5	0