

Jeffrey Galkowski

List of Publications by Year in descending order

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31
papers

643
citations

1307594

7
h-index

580821

25
g-index

31
all docs

31
docs citations

31
times ranked

962
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Size-Controlled and Shaped Copper Nanoparticles. <i>Langmuir</i> , 2007, 23, 5740-5745.	3.5	455
2	Restriction Bounds for the Free Resolvent and Resonances in Lossy Scattering. <i>International Mathematics Research Notices</i> , 2015, 2015, 7473-7509.	1.0	22
3	Optimal constants in nontrapping resolvent estimates and applications in numerical analysis. <i>Pure and Applied Analysis</i> , 2020, 2, 157-202.	1.1	21
4	Wavenumber-explicit analysis for the Helmholtz h-BEM: error estimates and iteration counts for the Dirichlet problem. <i>Numerische Mathematik</i> , 2019, 142, 329-357.	1.9	17
5	Averages of Eigenfunctions Over Hypersurfaces. <i>Communications in Mathematical Physics</i> , 2018, 360, 619-637.	2.2	13
6	Pointwise Bounds for Steklov Eigenfunctions. <i>Journal of Geometric Analysis</i> , 2019, 29, 142-193.	1.0	9
7	On the growth of eigenfunction averages: Microlocalization and geometry. <i>Duke Mathematical Journal</i> , 2019, 168, .	1.5	9
8	Eigenfunction concentration via geodesic beams. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2020, .	0.9	9
9	Eigenfunction scarring and improvements in L^∞ bounds. <i>Analysis and PDE</i> , 2018, 11, 801-812.	1.4	8
10	Defect measures of eigenfunctions with maximal L^∞ growth. <i>Annales De L'Institut Fourier</i> , 2019, 69, 1757-1798.	0.6	8
11	A Quantitative Vainberg Method for Black Box Scattering. <i>Communications in Mathematical Physics</i> , 2017, 349, 527-549.	2.2	7
12	Pointwise Bounds for Joint Eigenfunctions of Quantum Completely Integrable Systems. <i>Communications in Mathematical Physics</i> , 2020, 375, 915-947.	2.2	7
13	Wavenumber-Explicit Regularity Estimates on the Acoustic Single- and Double-Layer Operators. <i>Integral Equations and Operator Theory</i> , 2019, 91, 1.	0.8	6
14	The quantum Sabine law for resonances in transmission problems. <i>Pure and Applied Analysis</i> , 2019, 1, 27-100.	1.1	6
15	Outgoing Solutions Via Gevrey-2 Properties. <i>Annals of PDE</i> , 2021, 7, 1.	1.8	6
16	Resonances for thin barriers on the circle. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 125205.	2.1	5
17	Semiclassical Resolvent Bounds for Long-Range Lipschitz Potentials. <i>International Mathematics Research Notices</i> , 2022, 2022, 14134-14150.	1.0	5
18	Eigenvalues of the Truncated Helmholtz Solution Operator under Strong Trapping. <i>SIAM Journal on Mathematical Analysis</i> , 2021, 53, 6724-6770.	1.9	5

#	ARTICLE	IF	CITATIONS
19	Quantum ergodicity for a class of mixed systems. <i>Journal of Spectral Theory</i> , 2014, 4, 65-85.	0.8	4
20	The L^2 behavior of eigenfunctions near the glancing set. <i>Communications in Partial Differential Equations</i> , 2016, 41, 1619-1648.	2.2	4
21	Nonlinear Instability in a Semiclassical Problem. <i>Communications in Mathematical Physics</i> , 2012, 316, 705-722.	2.2	3
22	Domains Without Dense Steklov Nodal Sets. <i>Journal of Fourier Analysis and Applications</i> , 2020, 26, 1.	1.0	3
23	Viscosity Limits for Zeroth Order Pseudodifferential Operators. <i>Communications on Pure and Applied Mathematics</i> , 2022, 75, 1798-1869.	3.1	3
24	Fractal Weyl laws and wave decay for general trapping. <i>Nonlinearity</i> , 2017, 30, 4301-4343.	1.4	2
25	Analytic hypoellipticity of Keldysh operators. <i>Proceedings of the London Mathematical Society</i> , 2021, 123, 498-516.	1.3	2
26	A microlocal approach to eigenfunction concentration. <i>Annales Aux Derivées Partielles</i> , 2018, , 1-14.	0.2	2
27	Arbitrarily small perturbations of Dirichlet Laplacians are quantum unique ergodic. <i>Journal of Spectral Theory</i> , 2018, 8, 909-947.	0.8	1
28	Control from an interior hypersurface. <i>Transactions of the American Mathematical Society</i> , 2020, 373, 3177-3233.	0.9	1
29	Pseudospectra of semiclassical boundary value problems. <i>Journal of the Institute of Mathematics of Jussieu</i> , 2015, 14, 405-449.	0.7	0
30	Lower bounds for Cauchy data on curves in a negatively curved surface. <i>Israel Journal of Mathematics</i> , 2021, 244, 971-1000.	0.8	0
31	On non-diffractive cones. <i>Journal of Differential Geometry</i> , 2022, 120, .	1.1	0