

Pavel Exner

List of Publications by Year in descending order

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293
papers

6,136
citations

87888

38
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110387

64
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315
all docs

315
docs citations

315
times ranked

837
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft quantum waveguides in three dimensions. <i>Journal of Mathematical Physics</i> , 2022, 63, .	1.1	2
2	Spectrum of periodic chain graphs with time-reversal non-invariant vertex coupling. <i>Annals of Physics</i> , 2022, 443, 168992.	2.8	2
3	Gap opening in two-dimensional periodic systems. <i>Communications in Contemporary Mathematics</i> , 2021, 23, 1950080.	1.2	0
4	Note on a Product Formula Related to Quantum Zeno Dynamics. <i>Annales Henri Poincare</i> , 2021, 22, 1669-1697.	1.7	1
5	Quantum Graphs with Vertices Violating the Time Reversal Symmetry. <i>Physics of Particles and Nuclei</i> , 2021, 52, 330-336.	0.7	1
6	Optimization of the lowest eigenvalue of a soft quantum ring. <i>Letters in Mathematical Physics</i> , 2021, 111, 1.	1.1	2
7	Magnetic field influence on the discrete spectrum of locally deformed leaky wires. <i>Reports on Mathematical Physics</i> , 2021, 88, 47-57.	0.8	0
8	Quantum graphs: Self-adjoint, and yet exhibiting a nontrivial PT-symmetry. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 416, 127669.	2.1	3
9	Ring chains with vertex coupling of a preferred orientation. <i>Reviews in Mathematical Physics</i> , 2021, 33, 2060005.	1.7	11
10	Singular Schrödinger operators and Robin billiards. <i>Afrika Matematika</i> , 2020, 31, 71-88.	0.8	2
11	Spectral optimization for strongly singular Schrödinger operators with a star-shaped interaction. <i>Letters in Mathematical Physics</i> , 2020, 110, 735-751.	1.1	1
12	Dirac Operators with a $\hat{\Gamma}$ -Shell Interaction. <i>Physics of Particles and Nuclei</i> , 2020, 51, 405-409.	0.7	0
13	Topological bulk-edge effects in quantum graph transport. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126390.	2.1	5
14	Spectral properties of soft quantum waveguides. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 355302.	2.1	6
15	Spectral Asymptotics of the Dirichlet Laplacian on a Generalized Parabolic Layer. <i>Integral Equations and Operator Theory</i> , 2020, 92, 1.	0.8	2
16	Spectral geometry in a rotating frame: Properties of the ground state. <i>Journal of Mathematical Analysis and Applications</i> , 2020, 489, 124130.	1.0	0
17	The Landau Hamiltonian with $\hat{\Gamma}$ -potentials supported on curves. <i>Reviews in Mathematical Physics</i> , 2020, 32, 2050010.	1.7	6
18	Spectral optimization for singular Schrödinger operators. <i>Operators and Matrices</i> , 2020, , 705-716.	0.3	2

#	ARTICLE	IF	CITATIONS
19	Leaky Quantum Structures. Proceedings of the Steklov Institute of Mathematics, 2020, 311, 114-128.	0.3	0
20	Schrödinger Operators with a Switching Effect. Industrial and Applied Mathematics, 2020, , 13-31.	0.2	0
21	Spectral properties of spiral-shaped quantum waveguides. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 505303.	2.1	0
22	An optimization problem for finite point interaction families. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 405302.	2.1	0
23	On Dirac operators in \mathbb{R}^3 with electrostatic and Lorentz scalar δ . Quantum Studies: Mathematics and Foundations, 2019, 6, 295-314.	0.9	32
24	Spectral asymptotics of the Laplacian on Platonic solids graphs. Journal of Mathematical Physics, 2019, 60, 122101.	1.1	7
25	Scattering on Leaky Wires in Dimension Three. Springer Optimization and Its Applications, 2019, , 81-91.	0.9	0
26	A geometric Iwatsuka type effect in quantum layers. Journal of Mathematical Physics, 2018, 59, 042105.	1.1	2
27	Asymptotics of the bound state induced by δ -interaction supported on a weakly deformed plane. Journal of Mathematical Physics, 2018, 59, .	1.1	10
28	Quantum graphs with vertices of a preferred orientation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 283-287.	2.1	13
29	Aharonov and Bohm versus Welsh eigenvalues. Letters in Mathematical Physics, 2018, 108, 2153-2167.	1.1	4
30	Smilansky–Solomyak model with a δ^2 -interaction. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1207-1213.	2.1	4
31	On the spectral properties of Dirac operators with electrostatic δ -shell interactions. Journal Des Mathematiques Pures Et Appliquees, 2018, 111, 47-78.	1.6	38
32	Spectral Theory of Infinite Quantum Graphs. Annales Henri Poincare, 2018, 19, 3457-3510.	1.7	21
33	Editorial “Message from the President. EMS Newsletter, 2018, 2018-3, 3-4.	0.1	0
34	On the Bound States of Magnetic Laplacians on Wedges. Reports on Mathematical Physics, 2018, 82, 161-185.	0.8	9
35	A family of quantum graph vertex couplings interpolating between different symmetries. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 285301.	2.1	2
36	Geometrically Induced Spectral Effects in Tubes with a Mixed Dirichlet–Neumann Boundary. Reports on Mathematical Physics, 2018, 81, 213-231.	0.8	2

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37	Gap Control by Singular Schrodinger Operators in a Periodically Structured Metamaterial. Journal of Mathematical Physics, Analysis, Geometry, 2018, 14, 270-285.	0.1	4
38	Spectral and resonance properties of the Smilansky Hamiltonian. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 756-761.	2.1	6
39	Pseudo-orbit approach to trajectories of resonances in quantum graphs with general vertex coupling: Fermi rule and high-energy asymptotics. Journal of Mathematical Physics, 2017, 58, 042101.	1.1	3
40	Cantor spectra of magnetic chain graphs. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 165201.	2.1	2
41	Periodic quantum graphs from the Bethe-Sommerfeld perspective. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 455201.	2.1	12
42	A magnetic version of the Smilansky-Solomyak model. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 485203.	2.1	6
43	Spectral Properties of Magnetic Chain Graphs. Annales Henri Poincare, 2017, 18, 929-953.	1.7	4
44	Infinite quantum graphs. Doklady Mathematics, 2017, 95, 31-36.	0.6	2
45	Approximation of Schrödinger operators with $\hat{\Gamma}$ -interactions supported on hypersurfaces. Mathematische Nachrichten, 2017, 290, 1215-1248.	0.8	25
46	A spectral isoperimetric inequality for cones. Letters in Mathematical Physics, 2017, 107, 717-732.	1.1	11
47	A regular analogue of the Smilansky model: Spectral properties. Reports on Mathematical Physics, 2017, 80, 177-192.	0.8	6
48	Quantum graphs with the Bethe-Sommerfeld property. Nanosystems: Physics, Chemistry, Mathematics, 2017, , 305-309.	0.4	2
49	On eigenvalue asymptotics for strong $\hat{\Gamma}$ -interactions supported by surfaces with boundaries. Asymptotic Analysis, 2016, 97, 1-25.	0.5	8
50	Generalized interactions supported on hypersurfaces. Journal of Mathematical Physics, 2016, 57, .	1.1	19
51	Semiclassical bounds in magnetic bottles. Reviews in Mathematical Physics, 2016, 28, 1650002.	1.7	1
52	Spectral analysis of a class of Schrödinger operators exhibiting a parameter-dependent spectral transition. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 165302.	2.1	5
53	On the existence of bound states in asymmetric leaky wires. Journal of Mathematical Physics, 2016, 57, .	1.1	3
54	Strong Coupling Asymptotics for Schrödinger Operators with an Interaction Supported by an Open Arc in three Dimensions. Reports on Mathematical Physics, 2016, 77, 1-17.	0.8	4

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55	On resonances and bound states of Smilansky Hamiltonian. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2016, , 789-802.	0.4	6
56	On the spectrum of narrow Neumann waveguide with periodically distributed δ' traps. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 315301.	2.1	7
57	Quantum Waveguides. <i>Theoretical and Mathematical Physics (United States)</i> , 2015, , .	0.0	103
58	Gap asymptotics in a weakly bent leaky quantum wire. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 495301.	2.1	12
59	Spectra of magnetic chain graphs: coupling constant perturbations. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 125302.	2.1	7
60	Spectrum of a Dilated Honeycomb Network. <i>Integral Equations and Operator Theory</i> , 2015, 81, 535-557.	0.8	6
61	Leaky Waveguides. <i>Theoretical and Mathematical Physics (United States)</i> , 2015, , 327-359.	0.0	0
62	Transport in Locally Perturbed Tubes. <i>Theoretical and Mathematical Physics (United States)</i> , 2015, , 55-74.	0.0	0
63	Asymptotic eigenvalue estimates for a Robin problem with a large parameter. <i>Portugaliae Mathematica</i> , 2014, 71, 141-156.	0.4	27
64	A regular version of Smilansky model. <i>Journal of Mathematical Physics</i> , 2014, 55, .	1.1	12
65	Curvature-induced bound states in Robin waveguides and their asymptotical properties. <i>Journal of Mathematical Physics</i> , 2014, 55, .	1.1	14
66	Absence of Absolutely Continuous Spectrum for the Kirchoff Laplacian on Radial Trees. <i>Annales Henri Poincare</i> , 2014, 15, 1109-1121.	1.7	6
67	On Some Sharp Spectral Inequalities for Schrödinger Operators on Semiaxis. <i>Communications in Mathematical Physics</i> , 2014, 326, 531-541.	2.2	7
68	Strong Coupling Asymptotics for a Singular Schrödinger Operator with an Interaction Supported by an Open Arc. <i>Communications in Partial Differential Equations</i> , 2014, 39, 193-212.	2.2	17
69	Schrödinger operators with $\hat{\Gamma}$ - and $\hat{\Gamma}^2$ -interactions on Lipschitz surfaces and chromatic numbers of associated partitions. <i>Reviews in Mathematical Physics</i> , 2014, 26, 1450015.	1.7	47
70	Non-equilibrium current via geometric scatterers. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 395301.	2.1	0
71	Spectral asymptotics of a strong δ' -interaction on a conical surface. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 355202.	2.1	7
72	Schrödinger operators with $\hat{\Gamma}$ -interactions supported on conical surfaces. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 355202.	2.1	29

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73	Approximations of Quantum-Graph Vertex Couplings by Singularly Scaled Rank-One Operators. Letters in Mathematical Physics, 2014, 104, 1079-1094.	1.1	10
74	A regular analogue of Smilansky model. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 985-986.	0.2	0
75	A variation on Smilansky's model. , 2014, , .		0
76	Spectral estimates for Dirichlet Laplacians on perturbed twisted tubes. Operators and Matrices, 2014, , 167-183.	0.3	0
77	A General Approximation of Quantum Graph Vertex Couplings by Scaled Schrödinger Operators on Thin Branched Manifolds. Communications in Mathematical Physics, 2013, 322, 207-227.	2.2	30
78	Spectral asymptotics of a strong $\hat{\Gamma}^{\alpha^2}$ interaction on a planar loop. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 345201.	2.1	14
79	Approximations of quantum-graph vertex couplings by singularly scaled potentials. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 345202.	2.1	5
80	Spectral estimates for Dirichlet Laplacians and Schrödinger operators on geometrically nontrivial cusps. Journal of Spectral Theory, 2013, 3, 465-484.	0.8	1
81	Tunneling resonances in systems without a classical trapping. Journal of Mathematical Physics, 2013, 54, 012102.	1.1	10
82	Improving ERC Ethical Standards. Science, 2013, 341, 1043-1043.	12.6	2
83	Essential spectrum of Schrödinger operators with $\hat{\Gamma}$ -interactions on the union of compact Lipschitz hypersurfaces. Proceedings in Applied Mathematics and Mechanics, 2013, 13, 523-524.	0.2	11
84	FOREWORD: THREE QUARTERS A CENTURY. Acta Polytechnica, 2013, 53, .	0.6	1
85	Solvable Models of Resonances and Decays. Operator Theory: Advances and Applications, 2013, , 165-227.	0.2	5
86	RESONANCES ON HEDGEHOG MANIFOLDS. Acta Polytechnica, 2013, 53, 416-426.	0.6	2
87	Spectral estimates for a class of Schrödinger operators with infinite phase space and potential unbounded from below. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 075204.	2.1	9
88	On the ground state of quantum graphs with attractive $\hat{\Gamma}$ -coupling. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 713-717.	2.1	25
89	Decay Law Regularity. Integral Equations and Operator Theory, 2012, 72, 1-2.	0.8	1
90	Dynamics of an electron confined to a $\hat{\alpha}$ -hybrid plane and interacting with a magnetic field. Reports on Mathematical Physics, 2011, 67, 211-227.	0.8	9

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91	Inverse scattering problem for quantum graph vertices. <i>Physical Review A</i> , 2011, 83, .	2.5	5
92	Built-up structure criticality. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 3922-3931.	2.6	1
93	Remarks on the Trotter–Kato Product Formula for Unitary Groups. <i>Integral Equations and Operator Theory</i> , 2011, 69, 451-478.	0.8	6
94	Non-Weyl resonance asymptotics for quantum graphs in a magnetic field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 805-807.	2.1	14
95	VERTEX COUPLINGS IN QUANTUM GRAPHS: APPROXIMATIONS BY SCALED SCHRÖDINGER OPERATORS. , 2011, , .		5
96	Approximation of a general singular vertex coupling in quantum graphs. <i>Annals of Physics</i> , 2010, 325, 548-578.	2.8	52
97	Tripartite connection condition for a quantum graph vertex. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 375, 113-118.	2.1	7
98	On the absence of absolutely continuous spectra for Schrödinger operators on radial tree graphs. <i>Journal of Mathematical Physics</i> , 2010, 51, .	1.1	7
99	High-energy asymptotics of the spectrum of a periodic square lattice quantum graph. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 474024.	2.1	5
100	Non-Weyl asymptotics for quantum graphs with general coupling conditions. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 474013.	2.1	26
101	On the location of spectral edges in \mathbb{Z} -periodic media. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 474022.	2.1	28
102	Resonances from perturbations of quantum graphs with rationally related edges. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 105301.	2.1	21
103	Spectrum of Dirichlet Laplacian in a conical layer. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 474023.	2.1	16
104	On geometric perturbations of critical Schrödinger operators with a surface interaction. <i>Journal of Mathematical Physics</i> , 2009, 50, 112101.	1.1	16
105	Approximation of quantum graph vertex couplings by scaled Schrödinger operators on thin branched manifolds. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 415305.	2.1	35
106	The distribution of landed property. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 4619-4623.	2.6	1
107	Spectral Filtering in Quantum Y-Junction. <i>Journal of the Physical Society of Japan</i> , 2009, 78, 124004.	1.6	12
108	Hiatus perturbation for a singular Schrödinger operator with an interaction supported by a curve in \mathbb{R}^3 . <i>Journal of Mathematical Physics</i> , 2008, 49, 032111.	1.1	16

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109	Quantum networks modelled by graphs. AIP Conference Proceedings, 2008, , .	0.4	6
110	A Markov process associated with plot-size distribution in Czech Land Registry and its number-theoretic properties. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 045004.	2.1	1
111	On the spectrum of a bent chain graph. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 415206.	2.1	22
112	On the optimization of the principal eigenvalue for single-centre point-interaction operators in a bounded region. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 065305.	2.1	3
113	INTERLACED DENSE POINT AND ABSOLUTELY CONTINUOUS SPECTRA FOR HAMILTONIANS WITH CONCENTRIC-SHELL SINGULAR INTERACTIONS. , 2008, , .		3
114	APPROXIMATIONS OF SINGULAR VERTEX COUPLINGS IN QUANTUM GRAPHS. Reviews in Mathematical Physics, 2007, 19, 571-606.	1.7	35
115	LOCALIZATION ON A QUANTUM GRAPH WITH A RANDOM POTENTIAL ON THE EDGES. Reviews in Mathematical Physics, 2007, 19, 923-939.	1.7	24
116	Nontrivial edge coupling from a Dirichlet network squeezing: the case of a bent waveguide. Journal of Physics A: Mathematical and Theoretical, 2007, 40, F511-F523.	2.1	38
117	The decay law can have an irregular character. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 1333-1340.	2.1	11
118	Convergence of resonances on thin branched quantum waveguides. Journal of Mathematical Physics, 2007, 48, 092104.	1.1	31
119	Unstable system dynamics: Do we understand it fully?. Reports on Mathematical Physics, 2007, 59, 351-363.	0.8	5
120	A remark on helical waveguides. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 369, 393-399.	2.1	7
121	Vladimir A. Geyler. Russian Journal of Mathematical Physics, 2007, 14, 371-376.	1.5	0
122	A "Hybrid Plane" with spin-orbit interaction. Russian Journal of Mathematical Physics, 2007, 14, 430-434.	1.5	27
123	Zeno Product Formula Revisited. Integral Equations and Operator Theory, 2007, 57, 67-81.	0.8	10
124	Absolute Continuity of the Spectrum for Periodically Modulated Leaky Wires in \mathbb{R}^3 . Annales Henri Poincaré, 2007, 8, 241-263.	1.7	8
125	On the Dense Point and Absolutely Continuous Spectrum for Hamiltonians with Concentric $\hat{\Gamma}$ Shells. Letters in Mathematical Physics, 2007, 82, 25-37.	1.1	11
126	On the critical exponent in an isoperimetric inequality for chords. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 368, 1-6.	2.1	7

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127	On Relations Between Stable and Zeno Dynamics in a Leaky Graph Decay Model. , 2007, , 21-34.		1
128	Approximations by graphs and emergence of global structures. Reports on Mathematical Physics, 2006, 57, 445-455.	0.8	7
129	Resonance asymptotics in the generalized Winter model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 360, 57-61.	2.1	8
130	Inequalities for Means of Chords, with Application to Isoperimetric Problems. Letters in Mathematical Physics, 2006, 75, 225-233.	1.1	36
131	Addendum to P. Exner, E.M. Harrell, M. Loss: Inequalities for means of chords, with application to isoperimetric problems, Lett. Math. Phys. 75 (2006), 225â€“233. Letters in Mathematical Physics, 2006, 77, 219-219.	1.1	3
132	Distant perturbation asymptotics in window-coupled waveguides. I. The nonthreshold case. Journal of Mathematical Physics, 2006, 47, 113502.	1.1	15
133	Approximations by Graphs and Emergence of Global Structures. Acta Physica Polonica A, 2006, 109, 23-31.	0.5	1
134	Point Interaction Polygons: An Isoperimetric Problem. Lecture Notes in Physics, 2006, , 55-64.	0.7	0
135	ON EXISTENCE OF QUANTUM ZENO DYNAMICS. , 2006, , .		0
136	Boseâ€“Einstein condensation in geometrically deformed tubes. Journal of Physics A, 2005, 38, L463-L470.	1.6	8
137	A Product Formula Related to Quantum Zeno Dynamics. Annales Henri Poincare, 2005, 6, 195-215.	1.7	25
138	Convergence of spectra of graph-like thin manifolds. Journal of Geometry and Physics, 2005, 54, 77-115.	1.4	136
139	Spectrum of the SchrÃ¶dinger Operator in a Perturbed Periodically Twisted Tube. Letters in Mathematical Physics, 2005, 73, 183-192.	1.1	20
140	An isoperimetric problem for point interactions. Journal of Physics A, 2005, 38, 4795-4802.	1.6	10
141	Scattering by local deformations of a straight leaky wire. Journal of Physics A, 2005, 38, 4865-4874.	1.6	16
142	Singular interactions in quantum mechanics: solvable models. Journal of Physics A, 2005, 38, .	1.6	6
143	The von Neumann way to treat systems of mixed dimensionality. Reports on Mathematical Physics, 2005, 55, 79-92.	0.8	2
144	An isoperimetric problem for leaky loops and related mean-chord inequalities. Journal of Mathematical Physics, 2005, 46, 062105.	1.1	31

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145	Sufficient conditions for the anti-Zeno effect. Journal of Physics A, 2005, 38, L449-L454.	1.6	7
146	A model of interband radiative transition. Journal of the Mathematical Society of Japan, 2004, 56, 753.	0.4	1
147	An approximation to $\hat{A}\hat{A}$ couplings on graphs. Journal of Physics A, 2004, 37, L329-L335.	1.6	33
148	Exponential splitting of bound states in a waveguide with a pair of distant windows. Journal of Physics A, 2004, 37, 3411-3428.	1.6	35
149	Schrödinger operators with singular interactions: a model of tunnelling resonances. Journal of Physics A, 2004, 37, 8255-8277.	1.6	12
150	Topologically nontrivial quantum layers. Journal of Mathematical Physics, 2004, 45, 774-784.	1.1	59
151	STRONG-COUPLING ASYMPTOTIC EXPANSION FOR SCHRÖDINGER OPERATORS WITH A SINGULAR INTERACTION SUPPORTED BY A CURVE IN \mathbb{R}^3 . Reviews in Mathematical Physics, 2004, 16, 559-582.	1.7	24
152	Spectra of soft ring graphs. Waves in Random and Complex Media, 2004, 14, S47-S60.	1.5	19
153	Lieb-Thirring Inequalities for Geometrically Induced Bound States. Letters in Mathematical Physics, 2004, 70, 83-95.	1.1	25
154	Enhanced binding revisited for a spinless particle in nonrelativistic QED. Journal of Mathematical Physics, 2004, 45, 4174-4185.	1.1	27
155	A lower bound to the spectral threshold in curved tubes. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2004, 460, 3457-3467.	2.1	33
156	Absolute Continuity in Periodic Thin Tubes and Strongly Coupled Leaky Wires. Letters in Mathematical Physics, 2003, 65, 75-82.	1.1	10
157	Eigenvalue Asymptotics for the Schrödinger Operator with a \hat{V} -Interaction on a Punctured Surface. Letters in Mathematical Physics, 2003, 65, 19-26.	1.1	14
158	Persistent currents due to point obstacles. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 307, 209-214.	2.1	1
159	Magnetic layers with periodic point perturbations. Reports on Mathematical Physics, 2003, 52, 255-280.	0.8	21
160	Leaky quantum graphs: approximations by point-interaction Hamiltonians. Journal of Physics A, 2003, 36, 10173-10193.	1.6	36
161	Bound states due to a strong \hat{A} interaction supported by a curved surface. Journal of Physics A, 2003, 36, 443-457.	1.6	38
162	Extended Standard Map with Spatio-Temporal Asymmetry. Journal of the Physical Society of Japan, 2003, 72, 1087-1091.	1.6	17

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163	Large gaps in point-coupled periodic systems of manifolds. <i>Journal of Physics A</i> , 2003, 36, 4875-4890.	1.6	35
164	Quantum mechanics of layers with a finite number of point perturbations. <i>Journal of Mathematical Physics</i> , 2002, 43, 1152-1184.	1.1	28
165	Geometric coupling thresholds in a two-dimensional strip. <i>Journal of Mathematical Physics</i> , 2002, 43, 6265-6278.	1.1	65
166	Multiple bound states in scissor-shaped waveguides. <i>Physical Review B</i> , 2002, 66, .	3.2	42
167	Generalized boundary conditions for the Aharonovâ€“Bohm effect combined with a homogeneous magnetic field. <i>Journal of Mathematical Physics</i> , 2002, 43, 2151.	1.1	24
168	Persistent currents for the 2D SchrÃ¶dinger operator with a strong \hat{V} -interaction on a loop. <i>Journal of Physics A</i> , 2002, 35, 3479-3487.	1.6	16
169	Asymptotics of eigenvalues of the SchrÃ¶dinger operator with a strong \hat{V} -interaction on a loop. <i>Journal of Geometry and Physics</i> , 2002, 41, 344-358.	1.4	69
170	Curvature-Induced Bound States for a δ Interaction Supported by a Curve in \mathbb{R}^3 . <i>Annales Henri Poincare</i> , 2002, 3, 967-981.	1.7	33
171	Open quantum dots: resonances from perturbed symmetry and bound states in strong magnetic fields. <i>Reports on Mathematical Physics</i> , 2001, 47, 253-267.	0.8	44
172	Geometrically induced spectrum in curved leaky wires. <i>Journal of Physics A</i> , 2001, 34, 1439-1450.	1.6	87
173	A single-mode quantum transport in serial-structure geometric scatterers. <i>Journal of Mathematical Physics</i> , 2001, 42, 4050-4078.	1.1	40
174	Bound States in Weakly Deformed Strips and Layers. <i>Annales Henri Poincare</i> , 2001, 2, 553-572.	1.7	71
175	Bound States in Curved Quantum Layers. <i>Communications in Mathematical Physics</i> , 2001, 223, 13-28.	2.2	83
176	Band Gap of the SchrÃ¶dinger Operator with a Strong \hat{V} -Interaction on a Periodic Curve. <i>Annales Henri Poincare</i> , 2001, 2, 1139-1158.	1.7	22
177	Potential Approximations to \hat{V} : An Inverse Klauder Phenomenon with Norm-Resolvent Convergence. <i>Communications in Mathematical Physics</i> , 2001, 224, 593-612.	2.2	87
178	Bound States of Infinite Curved Polymer Chains. <i>Letters in Mathematical Physics</i> , 2001, 57, 87-96.	1.1	11
179	Geometric Phase Related to Point-Interaction Transport on a Magnetic Lobachevsky Plane. <i>Letters in Mathematical Physics</i> , 2001, 55, 9-16.	1.1	8
180	WAVEGUIDES COUPLED THROUGH A SEMITRANSSPARENT BARRIER: A BIRMANâ€“SCHWINGER ANALYSIS. <i>Reviews in Mathematical Physics</i> , 2001, 13, 307-334.	1.7	13

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181	Bound states in mildly curved layers. Journal of Physics A, 2001, 34, 5969-5985.	1.6	12
182	Magnetic transport in a straight parabolic channel. Journal of Physics A, 2001, 34, 9733-9752.	1.6	10
183	Bound states in point-interaction star graphs. Journal of Physics A, 2001, 34, 7783-7794.	1.6	11
184	Avoided crossings in mesoscopic systems: Electron propagation on a nonuniform magnetic cylinder. Journal of Mathematical Physics, 2001, 42, 4707-4738.	1.1	4
185	Two-Component Interference Effect: Model of a Spin-Polarized Transport. Physical Review Letters, 2001, 86, 1598-1601.	7.8	24
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187	Wave function shredding by sparse quantum barriers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 277, 1-6.	2.1	18
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