Radu Purice

List of Publications by Year
in descending order

25 papers	296 citations	1163117 8 h-index	888059 17 g-index
25 all docs	25 docs citations	25 times ranked	71 citing authors

#	Article	IF	Citations
1	Peierls' substitution via minimal coupling and magnetic pseudo-differential calculus. Reviews in Mathematical Physics, 2019, 31, 1950008.	1.7	1
2	A Beals criterion for magnetic pseudo-differential operators proved with magnetic Gabor frames. Communications in Partial Differential Equations, 2018, 43, 1196-1204.	2.2	3
3	A Schatten–von Neumann class criterion for the magnetic Weyl calculus. Communications in Partial Differential Equations, 2018, 43, 733-749.	2.2	0
4	Low lying spectral gaps induced by slowly varying magnetic fields. Journal of Functional Analysis, 2017, 273, 206-282.	1.4	5
5	Spectral edge regularity of magnetic Hamiltonians. Journal of the London Mathematical Society, 2015, 92, 89-104.	1.0	6
6	Quantization in a Magnetic Field. , 2013, , 137-144.		0
7	Abstract composition laws and their modulation spaces. Journal of Pseudo-Differential Operators and Applications, 2012, 3, 283-307.	0.7	1
8	On the Regularity of the Hausdorff Distance Between Spectra of Perturbed Magnetic Hamiltonians. , 2012, , 55-66.		6
9	Magnetic Fourier integral operators. Journal of Pseudo-Differential Operators and Applications, 2011, 2, 141-218.	0.7	3
10	Eigenfunctions decay for magnetic pseudodifferential operators. Journal of Mathematical Physics, 2011, 52, 093709.	1.1	2
11	Positive quantization in the presence of a variable magnetic field. Journal of Mathematical Physics, 2011, 52, .	1.1	0
12	COHERENT STATES AND PURE STATE QUANTIZATION IN THE PRESENCE OF A VARIABLE MAGNETIC FIELD. International Journal of Geometric Methods in Modern Physics, 2011, 08, 187-202.	2.0	3
13	The modulation mapping for magnetic symbols and operators. Proceedings of the American Mathematical Society, 2010, 138, 2839-2839.	0.8	8
14	Unicity of the Integrated Density of States for Relativistic Schrödinger Operators with Regular Magnetic Fields and Singular Electric Potentials. Integral Equations and Operator Theory, 2010, 67, 215-246.	0.8	4
15	Commutator Criteria for Magnetic Pseudodifferential Operators. Communications in Partial Differential Equations, 2010, 35, 1058-1094.	2.2	25
16	On the continuity of spectra for families of magnetic pseudodifferential operators. Journal of Mathematical Physics, 2010, 51, 083517.	1.1	14
17	On the essential spectrum of magnetic pseudodifferential operators. Comptes Rendus Mathematique, 2007, 344, 11-14.	0.3	1
18	Spectral and propagation results for magnetic Schrödinger operators; A C^{*}-algebraic framework. Journal of Functional Analysis, 2007, 250, 42-67.	1.4	41

#	Article	IF	Citations
19	Magnetic Pseudodifferential Operators. Publications of the Research Institute for Mathematical Sciences, 2007, 43, 585-623.	0.8	51
20	The Mathematical Formalism of a Particle in a Magnetic Field. Lecture Notes in Physics, 2006, , 417-434.	0.7	7
21	Strict deformation quantization for a particle in a magnetic field. Journal of Mathematical Physics, 2005, 46, 052105.	1.1	19
22	The magnetic Weyl calculus. Journal of Mathematical Physics, 2004, 45, 1394-1417.	1.1	67
23	Some Propagation Properties of the Iwatsuka Model. Communications in Mathematical Physics, 1997, 188, 691-708.	2.2	28
24	One dimensional periodic Dirac Hamiltonians: Semiclassical and high‑energy asymptotics for gaps. Journal of Mathematical Physics, 1996, 37, 3153-3167.	1.1	1
25	Spectral analysis near a Dirac type crossing in a weak non-constant magnetic field. Transactions of the American Mathematical Society, 0, , .	0.9	0