

Martin Fraas

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

661
citations

687363

13
h-index

580821

25
g-index

35
all docs

35
docs citations

35
times ranked

575
citing authors

#	ARTICLE	IF	CITATIONS
1	The appearance of particle tracks in detectors. II. The semi-classical realm. Journal of Mathematical Physics, 2022, 63, .	1.1	2
2	Invariant Measure for Stochastic Schrödinger Equations. Annales Henri Poincare, 2021, 22, 347-374.	1.7	3
3	Rational indices for quantum ground state sectors. Journal of Mathematical Physics, 2021, 62, .	1.1	12
4	The appearance of particle tracks in detectors. Communications in Mathematical Physics, 2021, 385, 429-463.	2.2	7
5	Non-Markovian noise that cannot be dynamically decoupled by periodic spin echo pulses. SciPost Physics, 2021, 11, .	4.9	5
6	Exactness of Linear Response in the Quantum Hall Effect. Annales Henri Poincare, 2021, 22, 1113-1132.	1.7	3
7	On the absence of stationary currents. Reviews in Mathematical Physics, 2021, 33, 2060011.	1.7	3
8	A Many-Body Index for Quantum Charge Transport. Communications in Mathematical Physics, 2020, 375, 1249-1272.	2.2	30
9	Many-body Fredholm index for ground-state spaces and Abelian anyons. Physical Review B, 2020, 101, .	3.2	5
10	Indirect Measurements of a Harmonic Oscillator. Annales Henri Poincare, 2019, 20, 2937-2970.	1.7	2
11	Perturbation Theory for Weak Measurements in Quantum Mechanics, Systems with Finite-Dimensional State Space. Annales Henri Poincare, 2019, 20, 299-335.	1.7	7
12	Invariant measure for quantum trajectories. Probability Theory and Related Fields, 2019, 174, 307-334.	1.8	16
13	The Adiabatic Theorem and Linear Response Theory for Extended Quantum Systems. Communications in Mathematical Physics, 2018, 361, 997-1027.	2.2	39
14	Quantization of Conductance in Gapped Interacting Systems. Annales Henri Poincare, 2018, 19, 695-708.	1.7	28
15	Dynamical Crossing of an Infinitely Degenerate Critical Point. Annales Henri Poincare, 2017, 18, 1755-1776.	1.7	6
16	On Landau-Zener Transitions for Dephasing Lindbladians. Annales Henri Poincare, 2017, 18, 2447-2465.	1.7	3
17	An Analysis of the Stationary Operation of Atomic Clocks. Communications in Mathematical Physics, 2016, 348, 363-393.	2.2	6
18	Geometry and Response of Lindbladians. Physical Review X, 2016, 6, .	8.9	94

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19	Indirect Acquisition of Information in Quantum Mechanics. Journal of Statistical Physics, 2016, 162, 924-958.	1.2	11
20	Distinguishing decoherence from alternative quantum theories by dynamical decoupling. Physical Review A, 2015, 92, .	2.5	38
21	Bayesian quantum frequency estimation in presence of collective dephasing. New Journal of Physics, 2014, 16, 113002.	2.9	59
22	Optimal hardy weight for second-order elliptic operator: An answer to a problem of Agmon. Journal of Functional Analysis, 2014, 266, 4422-4489.	1.4	76
23	Isolated singularities of positive solutions of p-Laplacian type equations in \mathbb{R}^d . Journal of Differential Equations, 2013, 254, 1097-1119.	2.2	16
24	Adiabatic Theorems for Generators of Contracting Evolutions. Communications in Mathematical Physics, 2012, 314, 163-191.	2.2	59
25	Adiabatic Response for Lindblad Dynamics. Journal of Statistical Physics, 2012, 148, 800-823.	1.2	51
26	Optimal Hardy-type inequalities for elliptic operators. Comptes Rendus Mathematique, 2012, 350, 475-479.	0.3	3
27	POSITIVE LIOUVILLE THEOREMS AND ASYMPTOTIC BEHAVIOR FOR p-LAPLACIAN TYPE ELLIPTIC EQUATIONS WITH A FUCHSIAN POTENTIAL. Confluentes Mathematici, 2011, 03, 291-323.	0.2	14
28	On some strong ratio limit theorems for heat kernels. Discrete and Continuous Dynamical Systems, 2010, 28, 495-509.	0.9	9
29	On geometric perturbations of critical Schrödinger operators with a surface interaction. Journal of Mathematical Physics, 2009, 50, 112101.	1.1	16
30	The decay law can have an irregular character. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 1333-1340.	2.1	11
31	A remark on helical waveguides. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 369, 393-399.	2.1	7
32	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
33	Resonance asymptotics in the generalized Winter model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 360, 57-61.	2.1	8