

Miguel Arturo Ballesteros Montero

List of Publications by Year in descending order

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25
papers

163
citations

1307594

7
h-index

1199594

12
g-index

25
all docs

25
docs citations

25
times ranked

61
citing authors

#	ARTICLE	IF	CITATIONS
1	Band Edge Limit of the Scattering Matrix for Quasi-One-Dimensional Discrete Schrödinger Operators. Complex Analysis and Operator Theory, 2022, 16, 1.	0.6	2
2	Wave and scattering operators for the nonlinear Klein-Gordon equation on a quarter-plane. Journal of Differential Equations, 2022, 321, 66-98.	2.2	1
3	A new method of construction of resonances that applies to critical models. Journal of Functional Analysis, 2021, 280, 108818.	1.4	2
4	Analyticity properties of the scattering matrix for matrix Schrödinger operators on the discrete line. Journal of Mathematical Analysis and Applications, 2021, 497, 124856.	1.0	3
5	The appearance of particle tracks in detectors. Communications in Mathematical Physics, 2021, 385, 429-463.	2.2	7
6	One-boson scattering processes in the massless Spin-Boson model – A non-perturbative formula. Advances in Mathematics, 2020, 371, 107248.	1.1	5
7	One-boson scattering processes in the massive Spin-Boson model. Journal of Mathematical Analysis and Applications, 2020, 489, 124094.	1.0	3
8	Conditionally free reduced products of Hilbert spaces. Studia Mathematica, 2020, 254, 23-44.	0.7	1
9	Relation Between the Resonance and the Scattering Matrix in the Massless Spin-Boson Model. Communications in Mathematical Physics, 2019, 370, 249-290.	2.2	3
10	Perturbation Theory for Weak Measurements in Quantum Mechanics, Systems with Finite-Dimensional State Space. Annales Henri Poincare, 2019, 20, 299-335.	1.7	7
11	Analyticity of resonances and eigenvalues and spectral properties of the massless Spin-Boson model. Journal of Functional Analysis, 2019, 276, 2524-2581.	1.4	7
12	A new approach to continuous multi-scale analysis in nonrelativistic QED: ground states and photon number bounds for the spin-boson model with critical infrared singularity. Journal of Evolution Equations, 2018, 18, 715-754.	1.1	1
13	Existence of ground state eigenvalues for the spin-boson model with critical infrared divergence and multiscale analysis. Journal of Mathematical Analysis and Applications, 2017, 453, 773-797.	1.0	12
14	Existence and construction of resonances for atoms coupled to the quantized radiation field. Advances in Mathematics, 2017, 314, 540-572.	1.1	12
15	Besov and Triebel-Lizorkin regularity for the Hodge decomposition and applications to magnetic potentials. Journal of Mathematical Analysis and Applications, 2017, 445, 532-555.	1.0	0
16	Mathematical Questions and Challenges in Quantum Electrodynamics and its Applications. Oberwolfach Reports, 2017, 14, 2539-2599.	0.0	0
17	High-momenta estimates for the Klein-Gordon equation: long-range magnetic potentials and time-dependent inverse scattering. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 155302.	2.1	3
18	Aharonov-Bohm Effect and High-Momenta Inverse Scattering for the Klein-Gordon Equation. Annales Henri Poincare, 2016, 17, 2905-2950.	1.7	2

#	ARTICLE	IF	CITATIONS
19	Indirect Acquisition of Information in Quantum Mechanics. Journal of Statistical Physics, 2016, 162, 924-958.	1.2	11
20	Continuous Renormalization Group Analysis of Spectral Problems in Quantum Field Theory. Journal of Functional Analysis, 2015, 268, 749-823.	1.4	6
21	High-velocity estimates for Schrödinger operators in two dimensions: Long-range magnetic potentials and time-dependent inverse scattering. Reviews in Mathematical Physics, 2015, 27, 1550006.	1.7	4
22	Quantum Electrodynamics of Atomic Resonances. Communications in Mathematical Physics, 2015, 337, 633-680.	2.2	6
23	Aharonov-Bohm Effect and High-Velocity Estimates of Solutions to the Schrödinger Equation. Communications in Mathematical Physics, 2011, 303, 175-211.	2.2	16
24	High-Velocity Estimates for the Scattering Operator and Aharonov-Bohm Effect in Three Dimensions. Communications in Mathematical Physics, 2009, 285, 345-398.	2.2	26
25	The Aharonov-Bohm effect and Tonomura et al. experiments: Rigorous results. Journal of Mathematical Physics, 2009, 50, .	1.1	23