

# Vladimir Gritsev

## List of Publications by Year in descending order

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34  
papers

1,662  
citations

331670

21  
h-index

395702

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1282  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Quasiconserved quantities in the perturbed spin- $\frac{1}{2}$ XXX model. Physical Review B, 2022, 105, .   |     |           |
| 2  | Sensitivity of the spectral form factor to short-range level statistics. Physical Review E, 2020, 102, 042216.  | 2.1 | 2         |
| 3  | Random Matrix Ensemble for the Level Statistics of Many-Body Localization. Physical Review Letters, 2019, 122, 180601.  | 7.8 | 40        |
| 4  | Integrability and duality in spin chains. Physical Review B, 2019, 99, .  | 3.2 | 5         |
| 5  | Gumbel statistics for entanglement spectra of many-body localized eigenstates. Physical Review B, 2019, 100, .  | 3.2 | 7         |
| 6  | Nonadiabatic effects in periodically driven dissipative open quantum systems. Physical Review A, 2018, 97, .  | 2.5 | 13        |
| 7  | Integrable spin chains with random interactions. Physical Review B, 2018, 98, .   | 3.2 | 5         |
| 8  | Symmetry-protected coherent relaxation of open quantum systems. Physical Review A, 2018, 97, .  | 2.5 | 24        |
| 9  | Nonergodicity in the Anisotropic Dicke Model. Physical Review Letters, 2017, 118, 080601.   | 7.8 | 32        |
| 10 | Photonic Kondo-like model. Physical Review A, 2017, 95, .   | 2.5 | 0         |
| 11 | Control over few-photon pulses by a time-periodic modulation of the photon emitter coupling. Physical Review A, 2017, 95, .                                       | 2.5 | 2         |
| 12 | Supersymmetry in quantum optics and in spin-orbit coupled systems. Scientific Reports, 2015, 5, 13097.  | 3.3 | 29        |
| 13 | Quantum theory of light scattering in a one-dimensional channel: Interaction effect on photon statistics and entanglement entropy. Physical Review A, 2015, 91, . | 2.5 | 21        |
| 14 | Exceptional and regular spectra of a generalized Rabi model. Physical Review A, 2014, 90, .   | 2.5 | 32        |
| 15 | Exact out-of-equilibrium central spin dynamics from integrability. New Journal of Physics, 2014, 16, 043024.  | 2.9 | 11        |
| 16 | Classifying and measuring geometry of a quantum ground state manifold. Physical Review B, 2013, 88, .   | 3.2 | 100       |
| 17 | Non-equilibrium dynamics of Gaudin models. Europhysics Letters, 2013, 104, 10004.   | 2.0 | 12        |
| 18 | Dynamical symmetry approach to path integrals of quantum spin systems. Physical Review A, 2013, 88, .   | 2.5 | 21        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Dynamically generated reduction of the mean photon number in the Dicke model. Physical Review A, 2013, 88, .  | 2.5  | 2         |
| 20 | Bethe ansatz and ordinary differential equation correspondence for degenerate Gaudin models. Physical Review B, 2012, 85, .   | 3.2  | 49        |
| 21 | Quantum transport of strongly interacting photons in a one-dimensional nonlinear waveguide. Physical Review A, 2012, 85, .  | 2.5  | 43        |
| 22 | Gaudin models solver based on the correspondence between Bethe ansatz and ordinary differential equations. Physical Review B, 2011, 83, .   | 3.2  | 73        |
| 23 | Ramsey Interference in One-Dimensional Systems: The Full Distribution Function of Fringe Contrast as a Probe of Many-Body Dynamics. Physical Review Letters, 2010, 104, 255302.   | 7.8  | 56        |
| 24 | Quantum quenches in the anisotropic spin- $\frac{1}{2}$ Heisenberg chain: different approaches to many-body dynamics far from equilibrium. New Journal of Physics, 2010, 12, 055017.  | 2.9  | 109       |
| 25 | Scaling approach to quantum non-equilibrium dynamics of many-body systems. New Journal of Physics, 2010, 12, 113005.  | 2.9  | 73        |
| 26 | Exact methods in the analysis of the non-equilibrium dynamics of integrable models: application to the study of correlation functions for non-equilibrium 1D Bose gas. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P05012. | 2.3  | 60        |
| 27 | Relaxation of Antiferromagnetic Order in Spin- $\frac{1}{2}$ Chains Following a Quantum Quench. Physical Review Letters, 2009, 102, 130603.   | 7.8  | 170       |
| 28 | Breakdown of the adiabatic limit in low-dimensional gapless systems. Nature Physics, 2008, 4, 477-481.  | 16.7 | 195       |
| 29 | Quantum Spin Dynamics of Mode-Squeezed Luttinger Liquids in Two-Component Atomic Gases. Physical Review Letters, 2008, 100, 140401.   | 7.8  | 108       |
| 30 | Mapping of Coulomb gases and sine-Gordon models to statistics of random surfaces. Physical Review A, 2008, 77, .  | 2.5  | 21        |
| 31 | Quantum many-body dynamics of coupled double-well superlattices. Physical Review A, 2008, 78, .   | 2.5  | 56        |
| 32 | Linear response theory for a pair of coupled one-dimensional condensates of interacting atoms. Physical Review B, 2007, 75, .   | 3.2  | 92        |
| 33 | Spectroscopy of Collective Excitations in Interacting Low-Dimensional Many-Body Systems Using Quench Dynamics. Physical Review Letters, 2007, 99, 200404.   | 7.8  | 74        |
| 34 | Full quantum distribution of contrast in interference experiments between interacting one-dimensional Bose liquids. Nature Physics, 2006, 2, 705-709.   | 16.7 | 115       |