# Vieri Mastropietro

List of Publications by Year
in descending order

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|---|---|---|---|
| 54 papers | 803 citations | 567281 15 h-index | 580821 25 g-index |
| 55 all docs | 55 docs citations | 55 times ranked | 302 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Vanishing of Drude Weight in Interacting Fermions on $\mathbb{Z}^d$ with Quasi-Periodic Disorder. Journal of Statistical Physics, 2022, 186, 1. | 1.2 | 0 |
| 2 | Nonperturbative renormalization of the lattice Sommerfield vector model. Physical Review D, 2022, 105, . | 4.7 | 3 |
| 3 | Gentle introduction to rigorous Renormalization Group: a worked fermionic example. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 11 |
| 4 | Anomaly cancellation condition in an effective nonperturbative electroweak theory. Physical Review D, 2021, 103, . | 4.7 | 6 |
| 5 | Anomaly Non-renormalization in Interacting Weyl Semimetals. Communications in Mathematical Physics, 2021, 384, 997-1060. | 2.2 | 8 |
| 6 | Quantization of the Interacting Hall Conductivity in the Critical Regime. Journal of Statistical Physics, 2020, 180, 332-365. | 1.2 | 7 |
| 7 | Non-integrable Dimers: Universal Fluctuations of Tilted Height Profiles. Communications in Mathematical Physics, 2020, 377, 1883-1959. | 2.2 | 14 |
| 8 | Stability of Weyl semimetals with quasiperiodic disorder. Physical Review B, 2020, 102, . | 3.2 | 5 |
| 9 | Emergent Adler-Bardeen theorem. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 6 |
| 10 | Persistence of gaps in the interacting anisotropic Hofstadter model. Physical Review B, 2019, 99, . | 3.2 | 6 |
| 11 | Canonical Drude Weight for Non-integrable Quantum Spin Chains. Journal of Statistical Physics, 2018, 172, 379-397. | 1.2 | 6 |
| 12 | Universal Edge Transport in Interacting Hall Systems. Communications in Mathematical Physics, 2018, 362, 295-359. | 2.2 | 7 |
| 13 | Interacting spinning fermions with quasi€random disorder. Annalen Der Physik, 2017, 529, 1600270. | 2.4 | 2 |
| 14 | Haldane relation for interacting dimers. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 034002. | 2.3 | 11 |
| 15 | Coupled identical localized fermionic chains with quasirandom disorder. Physical Review B, 2017, 95, . | 3.2 | 4 |
| 16 | Time evolution of the Luttinger model with nonuniform temperature profile. Physical Review B, 2017, 95, . | 3.2 | 22 |
| 17 | Steady States and Universal Conductance in a Quenched Luttinger Model. Communications in Mathematical Physics, 2017, 349, 551-582. | 2.2 | 35 |
| 18 | Localization in Interacting Fermionic Chains with Quasi-Random Disorder. Communications in Mathematical Physics, 2017, 351, 283-309. | 2.2 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Height fluctuations in interacting dimers. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2017, 53, . | 1.1 | 28 |
| 20 | Universality of the Hall Conductivity in Interacting Electron Systems. Communications in Mathematical Physics, 2017, 349, 1107-1161. | 2.2 | 38 |
| 21 | Dense gaps in the interacting Aubry-André model. Physical Review B, 2016, 93, . | 3.2 | 9 |
| 22 | Quantum Phase Transition in an Interacting Fermionic Chain. Annales Henri Poincare, 2016, 17, 459-495. | 1.7 | 1 |
| 23 | Localization in the Ground State of an Interacting Quasi-Periodic Fermionic Chain. Communications in Mathematical Physics, 2016, 342, 217-250. | 2.2 | 10 |
| 24 | Quantum quench for inhomogeneous states in the nonlocal Luttinger model. Physical Review B, 2015, 91, . | 3.2 | 6 |
| 25 | Localization of Interacting Fermions in the Aubry-André Model. Physical Review Letters, 2015, 115, 180401. | 7.8 | 47 |
| 26 | Height fluctuations in non-integrable classical dimers. Europhysics Letters, 2015, 109, 60004. | 2.0 | 5 |
| 27 | Interacting Weyl semimetals on a lattice. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 465003. | 2.1 | 9 |
| 28 | Universality of One-Dimensional Fermi Systems, I. Response Functions and Critical Exponents. Communications in Mathematical Physics, 2014, 330, 153-215. | 2.2 | 13 |
| 29 | Universality of One-Dimensional Fermi Systems, II. The Luttinger Liquid Structure. Communications in Mathematical Physics, 2014, 330, 217-282. | 2.2 | 14 |
| 30 | Weyl Semimetallic Phase in an Interacting Lattice System. Journal of Statistical Physics, 2014, 157, 830-854. | 1.2 | 8 |
| 31 | Universal Finite Size Corrections and the Central Charge in Non-solvable Ising Models. Communications in Mathematical Physics, 2013, 324, 179-214. | 2.2 | 8 |
| 32 | Conductivity in the Heisenberg chain with next-to-nearest-neighbor interaction. Physical Review E, 2013, 87, 042121. | 2.1 | 7 |
| 33 | Ward identities and chiral anomalies for coupled fermionic chains. Journal of Mathematical Physics, 2013, 54, 121901. | 1.1 | 2 |
| 34 | LUTTINGER MODEL AND LUTTINGER LIQUIDS. International Journal of Modern Physics B, 2012, 26, 1244006. | 2.0 | 1 |
| 35 | The scaling limit of the energy correlations in non-integrable Ising models. Journal of Mathematical Physics, 2012, 53, . | 1.1 | 15 |
| 36 | Absence of interaction corrections in the optical conductivity of graphene. Physical Review B, 2011, 83, . | 3.2 | 62 |

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|---|---------|-----|-----------|
| 37 | Anomalous Behavior in an Effective Model of Graphene with Coulomb Interactions. Annales Henri Poincare, 2010, 11, 1409-1452. | 1.7 | 11 |
| 38 | The Two-Dimensional Hubbard Model on the Honeycomb Lattice. Communications in Mathematical Physics, 2010, 293, 301-346. | 2.2 | 48 |
| 39 | Rigorous construction of ground state correlations in graphene: Renormalization of the velocities and Ward identities. Physical Review B, 2009, 79, . | 3.2 | 22 |
| 40 | Renormalization Group and Asymptotic Spin-Charge Separation for Chiral Luttinger Liquids. Journal of Statistical Physics, 2008, 131, 79-116. | 1.2 | 5 |
| 41 | Non-perturbative aspects of chiral anomalies. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 10349-10365. | 2.1 | 7 |
| 42 | Nonperturbative Adler-Bardeen theorem. Journal of Mathematical Physics, 2007, 48, 022302. | 1.1 | 24 |
| 43 | The absence of logarithmic divergences in the spin and charge density correlations of the 1d Hubbard model. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 3347-3368. | 2.1 | 2 |
| 44 | Renormalization group and Ward identities for infrared QED4. Journal of Mathematical Physics, 2007, 48, . | 1.1 | 6 |
| 45 | Rigorous analysis of the Tomonaga model by means of Ward identities and the renormalization group. Journal of Statistical Mechanics: Theory and Experiment, 2005, 2005, L04001. | 2.3 | 0 |
| 46 | Periodic Solutions for Completely Resonant Nonlinear Wave Equations with Dirichlet Boundary Conditions. Communications in Mathematical Physics, 2005, 256, 437-490. | 2.2 | 52 |
| 47 | Rigorous Proof of Luttinger Liquid Behavior in the 1d Hubbard Model. Journal of Statistical Physics, 2005, 121, 373-432. | 1.2 | 7 |
| 48 | Ising Models with Four Spin Interaction at Criticality. Communications in Mathematical Physics, 2004, 244, 595-642. | 2.2 | 24 |
| 49 | Construction of periodic solutions of nonlinear wave equations with Dirichlet boundary conditions by the Lindstedt series method. Journal Des Mathematiques Pures Et Appliquees, 2004, 83, 1019-1065. | 1.6 | 25 |
| 50 | Renormalization group for one-dimensional fermions. A review on mathematical results. Physics Reports, 2001, 352, 273-437. | 25.6 | 55 |
| 51 | CORRELATION FUNCTIONS IN QUANTUM SPIN CHAINS AND VERTEX MODELS. International Journal of Modern Physics A, 2001, 16, 1875-1887. | 1.5 | 1 |
| 52 | Title is missing!. Regular and Chaotic Dynamics, 2001, 6, 355. | 0.8 | 2 |
| 53 | ANOMALOUS SUPERCONDUCTIVITY IN COUPLED LUTTINGER LIQUIDS. Reviews in Mathematical Physics, 2000, 12, 1627-1654. | 1.7 | 2 |
| 54 | Small Denominators and Anomalous Behaviour in the Incommensurate Hubbard-Holstein Model. Communications in Mathematical Physics, 1999, 201, 81-115. | 2.2 | 17 |