

Eugene Kogan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4951426/publications.pdf>

Version: 2024-02-01

38
papers

555
citations

687363

13
h-index

642732

23
g-index

39
all docs

39
docs citations

39
times ranked

617
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | The Kinks, the Solitons and the Shocks in Series-Connected Discrete Josephson Transmission Lines. <i>Physica Status Solidi (B): Basic Research</i> , 2022, 259, . | 1.5 | 6 |
| 2 | Symmetry of Electron Bands in Graphene: (Nearly) Free Electron Versus Tight-Binding. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000504. | 1.5 | 0 |
| 3 | Poor man's scaling: XYZ Coqblin-Schrieffer model revisited. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 033101. | 2.3 | 2 |
| 4 | Screening in Graphene: Response to External Static Electric Field and an Image-Potential Problem. <i>Nanomaterials</i> , 2021, 11, 1561. | 4.1 | 6 |
| 5 | Shock wave in series connected Josephson transmission line: Theoretical foundations and effects of resistive elements. <i>Journal of Applied Physics</i> , 2021, 130, . | 2.5 | 5 |
| 6 | RKKY Interaction in Graphene at Finite Temperature. <i>Journal of Carbon Research</i> , 2019, 5, 14. | 2.7 | 3 |
| 7 | Irradiation-induced metal-insulator transition in monolayer graphene. <i>FlatChem</i> , 2019, 14, 100084. | 5.6 | 3 |
| 8 | Poor man's scaling and Lie algebras. <i>Journal of Physics Communications</i> , 2019, 3, 125001. | 1.2 | 4 |
| 9 | Irradiation-induced broadening of the Raman spectra in monolayer graphene. <i>Journal of Applied Physics</i> , 2019, 126, . | 2.5 | 13 |
| 10 | Poor man's scaling: anisotropic Kondo and Coqblin-Schrieffer models. <i>Journal of Physics Communications</i> , 2018, 2, 085001. | 1.2 | 10 |
| 11 | Electronic structure of graphene: (Nearly) free electron bands versus tight-binding bands. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1700035. | 1.5 | 9 |
| 12 | Effect of annealing on Raman spectra of monolayer graphene samples gradually disordered by ion irradiation. <i>Journal of Applied Physics</i> , 2017, 121, 114301. | 2.5 | 19 |
| 13 | Spin-anisotropic magnetic impurity in a Fermi gas: Integration of poor man's scaling equations. <i>Physical Review B</i> , 2017, 95, . | 3.2 | 8 |
| 14 | Lift force due to odd Hall viscosity. <i>Physical Review E</i> , 2016, 94, 043111. | 2.1 | 13 |
| 15 | Influence of ageing on Raman spectra and the conductivity of monolayer graphene samples irradiated by heavy and light ions. <i>Journal of Applied Physics</i> , 2016, 120, . | 2.5 | 10 |
| 16 | Hopping magnetoresistance in ion irradiated monolayer graphene. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 76, 158-163. | 2.7 | 16 |
| 17 | Localized magnetic moments in a Dirac semimetal as a spin model with long-range interactions. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2789-2793. | 1.5 | 1 |
| 18 | Macroscopic/Mesosopic Computational Materials Science Modeling and Engineering. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-1. | 1.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Raman scattering and electrical resistance of highly disordered graphene. <i>Physical Review B</i> , 2015, 91, . | 3.2 | 29 |
| 20 | Localization of Charge Carriers in Monolayer Graphene Gradually Disordered by Ion Irradiation. <i>Graphene</i> , 2015, 04, 45-53. | 1.0 | 23 |
| 21 | Energy bands in graphene: Comparison between the tight-binding model and <i>ab initio</i> calculations. <i>Physical Review B</i> , 2014, 89, . | 3.2 | 36 |
| 22 | Symmetry Classification of Energy Bands in Graphene and Silicene. <i>Graphene</i> , 2013, 02, 74-80. | 1.0 | 16 |
| 23 | RKKY Interaction in Gapped or Doped Graphene. <i>Graphene</i> , 2013, 02, 8-12. | 1.0 | 20 |
| 24 | On the theory of indirect exchange in EuO. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 847-853. | 1.5 | 8 |
| 25 | Symmetry classification of energy bands in graphene. <i>Physical Review B</i> , 2012, 85, . | 3.2 | 32 |
| 26 | RKKY interaction in graphene. <i>Physical Review B</i> , 2011, 84, . | 3.2 | 144 |
| 27 | Ising instability of a Holstein phonon mode in graphene. <i>Physical Review B</i> , 2011, 84, . | 3.2 | 6 |
| 28 | Quasi-localization and quasi-mobility edge for light atoms mixed with heavy ones. <i>European Physical Journal B</i> , 2008, 61, 181-185. | 1.5 | 4 |
| 29 | Effect of electron-electron interaction and plasmon excitation on the density of states for a two-dimensional electron liquid. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 3695-3702. | 1.5 | 1 |
| 30 | Paramagnetic-ferromagnetic transition in a double-exchange model. <i>Physical Review B</i> , 2003, 67, . | 3.2 | 8 |
| 31 | Shortest path across a mesoscopic system. <i>Physical Review B</i> , 2003, 67, . | 3.2 | 4 |
| 32 | Wave scattering through classically chaotic cavities in the presence of absorption: A maximum-entropy model. <i>Pramana - Journal of Physics</i> , 2002, 58, 325-331. | 1.8 | 0 |
| 33 | CPA density of states and conductivity in a double-exchange system containing impurities. <i>European Physical Journal B</i> , 2001, 19, 525-529. | 1.5 | 10 |
| 34 | Ferromagnetic transition in a double-exchange system containing impurities. <i>Physical Review B</i> , 2001, 65, . | 3.2 | 29 |
| 35 | Wave scattering through classically chaotic cavities in the presence of absorption: An information-theoretic model. <i>Physical Review E</i> , 2000, 61, R17-R20. | 2.1 | 39 |
| 36 | Localization and dephasing driven by magnetic fluctuations in low carrier density colossal magnetoresistance materials. <i>European Physical Journal B</i> , 1999, 9, 373-376. | 1.5 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Conductance in a one-dimensional spin polarized gas. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1998, 77, 1189-1194. | 0.6 | 12 |
| 38 | Statistics of waves propagating in a random medium. Foundations of Physics, 1996, 26, 679-690. | 1.3 | 0 |