# Valeri N Kotov

List of Publications by Year
in descending order



| 16 | 1,275 | 1163117 8 | 1058476 14 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 16 | 16 | 16 | 1789 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Perspective on Collective Properties of Atoms on 2D Materials. Advanced Electronic Materials, 2022, 8, 2100607. | 5.1 | 4 |
| 2 | Spinodal de-wetting of light liquids on graphene. Journal of Physics Condensed Matter, 2022, 34, 175001. | 1.8 | 0 |
| 3 | Coulomb interactions and renormalization of semi-Dirac fermions near a topological Lifshitz transition. Physical Review B, 2021, 103, . | 3.2 | 5 |
| 4 | Two-dimensional Bose-Hubbard model for helium on graphene. Physical Review B, 2021, 103, . | 3.2 | 5 |
| 5 | Anomalous transition magnetic moments in two-dimensional Dirac materials. Physical Review B, 2020, 102, . | 3.2 | 1 |
| 6 | Ferromagnetic Mott state in Twisted Graphene Bilayers at the Magic Angle. Physical Review Letters, 2019, 122, 246402. | 7.8 | 154 |
| 7 | Theory of Liquid Film Growth and Wetting Instabilities on Graphene. Physical Review Letters, 2018, 120, 236802. | 7.8 | 8 |
| 8 | Adsorption by design: Tuning atom-graphene van der Waals interactions via mechanical strain. Physical Review B, 2016, 93, . | 3.2 | 15 |
| 9 | Designing Quantum Spin-Orbital Liquids in Artificial Mott Insulators. Scientific Reports, 2016, 6, 31737. | 3.3 | 5 |
| 10 | Valley order and loop currents in graphene on hexagonal boron nitride. Physical Review B, 2015, 91, . | 3.2 | 13 |
| 11 | van der Waals forces and electron-electron interactions in two strained graphene layers. Physical Review B, 2014, 89, . | 3.2 | 14 |
| 12 | Effect of uniaxial strain on ferromagnetic instability and formation of localized magnetic states on adatoms in graphene. Physical Review B, 2013, 87, . | 3.2 | 21 |
| 13 | Electron-Electron Interactions in Graphene: Current Status and Perspectives. Reviews of Modern Physics, 2012, 84, 1067-1125. | 45.6 | 999 |
| 14 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mi>N</mml:mi></mml:mrow></mml:math> expansion in correlated graphene. Physical Review B, 2009, 80, . | 3.2 | 20 |
| 15 | ac hopping magnetotransport across the spin-flop transition in lightly doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>La</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>CuO</mml:mi> Physical Review B, 2008, 77, . | 3.2 | 0 |
| 16 | Negative hopping magnetoresistance and dimensional crossover in lightly doped cuprate superconductors. Physical Review B, 2007, 76, . | 3.2 | 11 |