

Giorgio Levy

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,772
citations

331670

21
h-index

302126

39
g-index

41
all docs

41
docs citations

41
times ranked

3114
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Evidence for superconductivity in Li-decorated monolayer graphene. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11795-11799. | 7.1 | 269 |
| 2 | Na_2IrO_4 a Novel Relativistic Mott Insulator with a 340-meV Gap. Physical Review Letters, 2012, 109, 266406. | 7.8 | 169 |
| 3 | Rashba Spin-Splitting Control at the Surface of the Topological Insulator Bi_2Se_3 . Physical Review Letters, 2011, 107, 186405. | 7.8 | 169 |
| 4 | Polarity-Driven Surface Metallicity in SmB_6 . Physical Review Letters, 2013, 111, 216402. | 7.8 | 112 |
| 5 | Layer-By-Layer Entangled Spin-Orbital Texture of the Topological Surface State in Bi_2Se_3 . Physical Review Letters, 2013, 110, 216401. | 7.8 | 107 |
| 6 | Loss of nodal quasiparticle integrity in underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$. Nature Physics, 2010, 6, 905-911. | 16.7 | 103 |
| 7 | Direct determination of mode-projected electron-phonon coupling in the time domain. Science, 2019, 366, 1231-1236. | 12.6 | 73 |
| 8 | Room temperature strain-induced Landau levels in graphene on a wafer-scale platform. Science Advances, 2019, 5, eaaw5593. | 10.3 | 65 |
| 9 | Fourfold Structure of Vortex-Core States in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8-\delta}$. Physical Review Letters, 2005, 95, 257005. | 7.8 | 58 |
| 10 | Probing the Role of Co Substitution in the Electronic Structure of Iron Pnictides. Physical Review Letters, 2012, 109, 077001. | 7.8 | 51 |
| 11 | Collapse of superconductivity in cuprates via ultrafast quenching of phase coherence. Nature Materials, 2018, 17, 416-420. | 27.5 | 46 |
| 12 | Scanning tunneling spectroscopy on single crystal MgB_2 . Physica C: Superconductivity and Its Applications, 2003, 385, 169-176. | 1.2 | 42 |
| 13 | Preeminent Role of the Van Hove Singularity in the Strong-Coupling Analysis of Scanning Tunneling Spectroscopy for Two-Dimensional Cuprate Superconductors. Physical Review Letters, 2008, 101, 267004. | 7.8 | 41 |
| 14 | Structural Origin of Apparent Fermi Surface Pockets in Angle-Resolved Photoemission of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8-\delta}$. Physical Review Letters, 2011, 106, 127005. | 7.8 | 40 |
| 15 | Sign inversion in the superconducting order parameter of LiFeAs inferred from Bogoliubov quasiparticle interference. Physical Review B, 2014, 89, . | 3.2 | 40 |
| 16 | Vortex imaging in magnesium diboride with HfSr_2C . Physical Review B, 2003, 68, . | 3.2 | 36 |
| 17 | Determining the Surface-To-Bulk Progression in the Normal-State Electronic Structure of RuO_4 . Angle-Resolved Photoemission and Density Functional Theory. Physical Review Letters, 2013, 110, 097004. | 7.8 | 34 |
| 18 | Observation of Distinct Bulk and Surface Chemical Environments in a Topological Insulator under Magnetic Doping. Journal of Physical Chemistry C, 2014, 118, 12333-12339. | 3.1 | 33 |

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|----|---|------|-----------|
| 19 | Influence of Spin-Orbit Coupling in Iron-Based Superconductors. <i>Physical Review Letters</i> , 2018, 121, 076401. | 7.8 | 30 |
| 20 | Scanning tunneling spectroscopy on Bi ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ + $\hat{\Gamma}$ single crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 353-356. | 4.0 | 28 |
| 21 | Observation of Dirac surface states in the noncentrosymmetric superconductor BiPd. <i>Physical Review B</i> , 2016, 94, . | 3.2 | 22 |
| 22 | Surface-enhanced charge-density-wave instability in underdoped Bi ₂ Sr _{2-x} LaxCuO ₆ + $\hat{\Gamma}$. <i>Nature Communications</i> , 2013, 4, 1977. | 12.8 | 21 |
| 23 | Bond order and the role of ligand states in stripe-modulated IrTe_2 . <i>Physical Review B</i> , 2014, 90, . | 3.2 | 21 |
| 24 | Long- versus Short-Range Scattering in Doped Epitaxial Graphene. <i>Nano Letters</i> , 2015, 15, 2825-2829. | 9.1 | 19 |
| 25 | Ubiquitous defect-induced density wave instability in monolayer graphene. <i>Science Advances</i> , 2022, 8, . | 10.3 | 17 |
| 26 | Establishing nonthermal regimes in pump-probe electron relaxation dynamics. <i>Physical Review B</i> , 2020, 102, . | 3.2 | 14 |
| 27 | Emergence of pseudogap from short-range spin-correlations in electron-doped cuprates. <i>Npj Quantum Materials</i> , 2020, 5, . | 5.2 | 12 |
| 28 | Deconstruction of resolution effects in angle-resolved photoemission. <i>Physical Review B</i> , 2014, 90, . | 3.2 | 10 |
| 29 | Optical manipulation of Rashba-split 2-dimensional electron gas. <i>Nature Communications</i> , 2022, 13, . | 12.8 | 10 |
| 30 | Oxygen overdoping in superconducting and non-superconducting Y _{1-x} Pr _x Ba ₂ Cu ₃ O _y . <i>Physica B: Condensed Matter</i> , 2002, 320, 333-336. | 2.7 | 9 |
| 31 | Effect of Pt substitution on the electronic structure of AuTe_2 . <i>Physical Review B</i> , 2014, 90, . | 3.2 | 8 |
| 32 | Correct Brillouin zone and electronic structure of BiPd. <i>Physical Review B</i> , 2018, 97, . | 3.2 | 8 |
| 33 | Role of matrix elements in the time-resolved photoemission signal. <i>New Journal of Physics</i> , 2020, 22, 023031. | 2.9 | 8 |
| 34 | Observation of charge accumulation and onsite Coulomb repulsion at transition metal impurities in the iron pnictides. <i>Physical Review B</i> , 2013, 87, . | 3.2 | 7 |
| 35 | Separation between Low-Energy Hole Dynamics and Spin Dynamics in a Frustrated Magnet. <i>Physical Review Letters</i> , 2010, 104, 226404. | 7.8 | 6 |
| 36 | Three-dimensional electronic structure of LiFeAs. <i>Physical Review B</i> , 2022, 105, . | 3.2 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Ubiquitous suppression of the nodal coherent spectral weight in Bi-based cuprates. Physical Review B, 2021, 103, . | 3.2 | 3 |
| 38 | Vortex lattice imaging in single crystal MgB2 by scanning tunneling spectroscopy. Physica C: Superconductivity and Its Applications, 2003, 388-389, 143-144. | 1.2 | 2 |
| 39 | Physical properties and electronic structure of single-crystal $KCo_{1-x}Fe_x$ $2\text{-}2\text{-}2$ compounds. Physical Review Materials, 2022, 6, . | | |
| 40 | Evolution of nonthermal electrons in pump-probe electron relaxation dynamics. , 2021, , . | | 0 |
| 41 | Determination of mode-projected electron-phonon coupling from time-domain observations of microscopic scattering processes. , 2020, , . | | 0 |