

# Alberto Crepaldi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2380717/publications.pdf>

Version: 2024-02-01

44  
papers

1,635  
citations

361413

20  
h-index

289244

40  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2821  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Direct View of Hot Carrier Dynamics in Graphene. <i>Physical Review Letters</i> , 2013, 111, 027403.   | 7.8 | 308       |
| 2  | Giant Ambipolar Rashba Effect in the Semiconductor BiTeI. <i>Physical Review Letters</i> , 2012, 109, 096803.  | 7.8 | 157       |
| 3  | Evidence for a Strong Topological Insulator Phase in $\text{ZrTe}_5$ . <i>Physical Review Letters</i> , 2016, 117, 237601.   | 7.8 | 125       |
| 4  | Ultrafast Dynamics of Massive Dirac Fermions in Bilayer Graphene. <i>Physical Review Letters</i> , 2014, 112, 257401.  | 7.8 | 96        |
| 5  | Ultrafast photodoping and effective Fermi-Dirac distribution of the Dirac particles in $\text{Bi}_2\text{Se}_3$ . <i>Physical Review B</i> , 2012, 86, .   | 3.2 | 95        |
| 6  | Tunable Carrier Multiplication and Cooling in Graphene. <i>Nano Letters</i> , 2015, 15, 326-331.   | 9.1 | 80        |
| 7  | Evidence of Large Polarons in Photoemission Band Mapping of the Perovskite Semiconductor $\text{CsPbBr}_3$ . <i>Physical Review Letters</i> , 2020, 124, 206402.                                   | 7.8 | 74        |
| 8  | Momentum-Resolved Spin Dynamics of Bulk and Surface Excited States in the Topological Insulator $\text{Bi}_2\text{Te}_3$ . <i>Physical Review Letters</i> , 2015, 114, 097401.                     | 7.8 | 64        |
| 9  | Ultrafast Optical Control of the Electronic Properties of $\text{ZrTe}_5$ . <i>Physical Review Letters</i> , 2015, 115, 207402.  | 7.8 | 58        |
| 10 | Radial Spin Texture of the Weyl Fermions in Chiral Tellurium. <i>Physical Review Letters</i> , 2020, 125, 216402.  | 7.8 | 47        |
| 11 | Evidence of reduced surface electron-phonon scattering in the conduction band of $\text{Bi}_2\text{Se}_3$ by nonequilibrium ARPES. <i>Physical Review B</i> , 2013, 88, .                          | 3.2 | 45        |
| 12 | Ultrafast electron dynamics in epitaxial graphene investigated with time- and angle-resolved photoemission spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 164206.            | 1.8 | 37        |
| 13 | Electronic instability in a Zero-Gap Semiconductor: The Charge-Density Wave in $\text{TaSe}_4\text{I}_3$ . <i>TJ ETO</i>   | 3.0 | 30        |
| 14 | Momentum and photon energy dependence of the circular dichroic photoemission in the bulk Rashba semiconductors $\text{BiTeX}$ . <i>TJ ETO</i>  | 3.2 | 29        |
| 15 | Photocarrier-induced band-gap renormalization and ultrafast charge dynamics in black phosphorus. <i>2D Materials</i> , 2019, 6, 031001.  | 4.4 | 28        |
| 16 | Ramifications of optical pumping on the interpretation of time-resolved photoemission experiments on graphene. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015, 200, 340-346. | 1.7 | 26        |
| 17 | Enhanced ultrafast relaxation rate in the Weyl semimetal phase of $\text{MoTe}_2$ measured by time- and angle-resolved photoelectron spectroscopy. <i>Physical Review B</i> , 2017, 96, .          | 3.0 | 26        |
| 18 | Light-Induced Renormalization of the Dirac Quasiparticles in the Nodal-Line Semimetal $\text{ZrSiSe}$ . <i>Physical Review Letters</i> , 2020, 125, 076401.  | 7.8 | 26        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Dynamics of correlation-frozen antinodal quasiparticles in superconducting cuprates. Science Advances, 2018, 4, eaar1998.   | 10.3 | 23        |
| 20 | Advancing non-equilibrium ARPES experiments by a 9.3eV coherent ultrafast photon source. Journal of Electron Spectroscopy and Related Phenomena, 2016, 207, 7-13. | 1.7  | 22        |
| 21 | Engineering the topological surface states in the $\text{Bi}_2\text{Te}_3$ quantum well with a width of 0.16 $\mu\text{m}$ .                                      |      |           |

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|----|---|-----|-----------|
| 37 | Combined large spin splitting and one-dimensional confinement in surface alloys. <i>New Journal of Physics</i> , 2013, 15, 105013.                                | 2.9 | 6         |
| 38 | Structural and electronic properties of the Bi/Au(110) $\sqrt{1 \times 4}$ surface. <i>Physical Review B</i> , 2013, 88, .  | 3.2 | 6         |
| 39 | Nanoscale-Resolved Surface-to-Bulk Electron Transport in CsPbBr <sub>3</sub> Perovskite. <i>Nano Letters</i> , 2022, 22, 1067-1074.                               | 9.1 | 6         |
| 40 | Insight into the electronic structure of semiconducting $\mu$ -GaSe and $\mu$ -InSe. <i>Physical Review Materials</i> , 2020, 4, .                                | 2.4 | 4         |
| 41 | The growth and band structure of a graphene-encapsulated two-dimensional nodal line semimetal: Cu <sub>2</sub> Si. <i>Electronic Structure</i> , 2019, 1, 014001. | 2.8 | 3         |
| 42 | Photoinduced long-lived state in FeSe <sub>0.4</sub> Te <sub>0.6</sub> . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2021, 250, 147090.       | 1.7 | 3         |
| 43 | Origin of large magnetoresistance in the topological nonsymmorphic semimetal TaSe <sub>3</sub> . <i>Physical Review B</i> , 2021, 104, .                          | 3.2 | 2         |
| 44 | Interplay between electronic and structural properties in the Pb/Ag(1 0 0) interface. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 455502.              | 1.8 | 1         |