

Lenart Dudy

List of Publications by Year in descending order

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1,636
citations

471509

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docs citations

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times ranked

2896
citing authors

#	ARTICLE	IF	CITATIONS
1	Global perspectives of the bulk electronic structure of URu ₂ Si ₂ from angle-resolved photoemission. <i>Electronic Structure</i> , 2022, 4, 013001.	2.8	4
2	Testing the Cabreraâ€Mott Oxidation Model for Aluminum under Realistic Conditions with Near-Ambient Pressure Photoemission. <i>Journal of Physical Chemistry C</i> , 2022, 126, 2517-2530.	3.1	11
3	Understanding Battery Interfaces by Combined Characterization and Simulation Approaches: Challenges and Perspectives. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	46
4	Toward Functionalized Ultrathin Oxide Films: The Impact of Surface Apical Oxygen. <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	5
5	Bulk spin polarization of magnetite from spin-resolved hard x-ray photoelectron spectroscopy. <i>Physical Review B</i> , 2021, 104, .	3.2	5
6	Partial gap in two-leg ladders with Rashba effect and its experimental signatures in Si(553)-Au. <i>Physical Review B</i> , 2021, 104, .	3.2	1
7	Pushing Absorption of Perovskite Nanocrystals into the Infrared. <i>Nano Letters</i> , 2020, 20, 3999-4006.	9.1	18
8	HgTe Nanocrystals for SWIR Detection and Their Integration up to the Focal Plane Array. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 33116-33123.	8.0	53
9	Tailoring the topological surface state in ultrathin $\hat{\pm}$ -Sn(111) films. <i>Physical Review B</i> , 2019, 100, .	3.2	22
10	Theory-restricted resonant x-ray reflectometry of quantum materials. <i>Physical Review B</i> , 2018, 97, .	3.2	6
11	Topological surface state of $\hat{\pm}$ -Sn(111) on InSb(001) as studied by photoemission. <i>Physical Review B</i> , 2018, 97, .	3.2	25
12	Tailoring Materials for Mottronics: Excess Oxygen Doping of a Prototypical Mott Insulator. <i>Advanced Materials</i> , 2018, 30, e1706708.	21.0	45
13	One-dimensional quantum matter: gold-induced nanowires on semiconductor surfaces. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 433001.	1.8	16
14	Disentangling specific versus generic doping mechanisms in oxide heterointerfaces. <i>Physical Review B</i> , 2017, 95, .	3.2	35
15	Double band inversion in $\hat{\pm}$ -Sn: Appearance of topological surface states and the role of orbital composition. <i>Physical Review B</i> , 2017, 95, .	3.2	24
16	Microscopic origin of the mobility enhancement at a spinel/perovskite oxide heterointerface revealed by photoemission spectroscopy. <i>Physical Review B</i> , 2017, 96, .	3.2	32
17	Bismuthene on a SiC substrate: A candidate for a high-temperature quantum spin Hall material. <i>Science</i> , 2017, 357, 287-290.	12.6	803
18	Dimensionality-Driven Metal-Insulator Transition in Spin-Orbit-Coupled $SrIrO_3$. <i>Physical Review Letters</i> , 2017, 119, 256404.	7.8	81

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19	In Situ Control of Separate Electronic Phases on SrTiO ₃ Surfaces by Oxygen Dosing. <i>Advanced Materials</i> , 2016, 28, 7443-7449.	21.0	69
20	Atomic-Scale Mapping of Layer-by-Layer Hydrogen Etching and Passivation of SiC(0001) Substrates. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10361-10367.	3.1	20
21	Publisher's Note: Elemental Topological Insulator with Tunable Fermi Level: Strained Sn on $\text{InSb}(001)$ [<i>Phys. Rev. Lett.</i> , 111, 157205 (2013)]. <i>Physical Review Letters</i> , 2014, 112, .	7.8	2
22	Valence band and core-level photoemission of Au/Ge(001): Band mapping and bonding sites. <i>Physical Review B</i> , 2014, 90, .	3.2	13
23	Elemental Topological Insulator with Tunable Fermi Level: Strained Sn on $\text{InSb}(001)$. <i>Physical Review Letters</i> , 2013, 111, 157205.	7.8	130
24	Photoemission spectroscopy and the unusually robust one-dimensional physics of lithium purple bronze. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 014007.	1.8	28
25	Yb valence change in $\text{Ce}_{1-x}\text{Yb}_x\text{CoIn}_5$ from spectroscopy and bulk properties. <i>Physical Review B</i> , 2013, 88, .	3.2	25
26	A new UV and VUV beamline for angular resolved photoemission with high resolution and at low energy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 693, 160-165.	1.6	10
27	Structural behavior of $\text{Pb}_{0.95}\text{Sr}_{1.49}\text{La}_{0.4}\text{Cu}_{1.15}\text{O}_{6+\delta}$ for $0 < \delta < 0.53$. <i>Physical Review B</i> , 2010, 81, .	3.2	2
28	Comment on "Superconducting Coherence Peak in the Electronic Excitations of a Single-Layer $\text{Bi}_2\text{Sr}_2\text{CuO}_8$ " Superconductor. <i>Physical Review Letters</i> , 2009, 103, 109701; author reply 109702.	7.8	1
29	Structure, Superstructure and Charge Order in Bi-Cuprates. <i>Journal of Superconductivity and Novel Magnetism</i> , 2009, 22, 51-55.	1.8	2
30	Hole doping in the CuO_2 -plane of Bi-cuprates studied by XAS: polycrystals and single crystals. <i>Journal of Physics: Conference Series</i> , 2009, 150, 052084.	0.4	6
31	TiTe_2 : Semimetal or Semiconductor?. <i>Physical Review Letters</i> , 2008, 101, 237602.	7.8	71
32	Charge modulation driven Fermi surface of PbBi_2O_7 . <i>Solid State Communications</i> , 2007, 143, 442-445.	1.9	2
33	Existence of two types of perfect $\text{Bi}_2\text{Sr}_{2-x}\text{La}_x\text{CuO}_6$ single crystals. <i>JETP Letters</i> , 2007, 85, 292-296.	1.4	5
34	Evolution of the Electronic Structure of Y-Bi-2212 from the Antiferromagnetic to the Superconducting Regime. <i>Journal of Superconductivity and Novel Magnetism</i> , 2004, 17, 49-52.	0.5	2
35	One-dimensional electronic structure effects of single-layer cuprates Bi_2O_7 and $\text{Bi}(\text{Pb})_2\text{O}_7$. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 408-410, 780-782.	1.2	2
36	Progress in the understanding of the normal state of the cuprates. <i>Applied Physics A: Materials Science and Processing</i> , 2003, 76, 673-679.	2.3	1

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37	Unusual electronic ground state of a prototype cuprate: Band splitting of single CuO 2 -plane Bi ₂ Sr ₂ La _x CuO ₆ + δ . Europhysics Letters, 2002, 60, 615-621.	2.0	6
38	Photon energy dependence of ARPES-spectra of single layer Bi ₂ Sr ₂ La _x CuO ₆ + δ . Physica B: Condensed Matter, 2002, 312-313, 91-93.	2.7	0
39	Fermi Surface and Superconducting Gap of Triple-Layered Bi ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ + δ . Journal of Superconductivity and Novel Magnetism, 2002, 15, 147-152.	0.5	8