

Erik van Heumen

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,704
citations

567144

15
h-index

610775

24
g-index

24
all docs

24
docs citations

24
times ranked

3228
citing authors

#	ARTICLE	IF	CITATIONS
1	Universal Optical Conductance of Graphite. <i>Physical Review Letters</i> , 2008, 100, 117401.	2.9	881
2	Nanotextured phase coexistence in the correlated insulator V2O3. <i>Nature Physics</i> , 2017, 13, 80-86.	6.5	172
3	Spectroscopic evidence for Fermi liquid-like energy and temperature dependence of the relaxation rate in the pseudogap phase of the cuprates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5774-5778.	3.3	108
4	$\hbar\omega$ -periodic Andreev bound states in a Dirac semimetal. <i>Nature Materials</i> , 2018, 17, 875-880.	13.3	80
5	Optical properties of $\text{BaFe}_{2-x}\text{Co}_x\text{As}_2$. <i>Europhysics Letters</i> , 2010, 90, 37005.	0.7	66
6	Incoherent transport across the strange-metal regime of overdoped cuprates. <i>Nature</i> , 2021, 595, 661-666.	13.7	57
7	Existence, Character, and Origin of Surface-Related Bands in the High Temperature Iron Pnictide Superconductor $\text{BaFe}_{2-x}\text{Co}_x\text{As}_2$. <i>Physical Review Letters</i> , 2011, 106, 027002.	2.9	52
8	Low carrier concentration crystals of the topological insulator $\text{Bi}_2\text{SbTe}_3\text{Se}$: a magnetotransport study. <i>New Journal of Physics</i> , 2014, 16, 123035.	1.2	50
9	Droplet-like Fermi surfaces in the anti-ferromagnetic phase of EuFe_2As_2 , an Fe-pnictide superconductor parent compound. <i>Europhysics Letters</i> , 2010, 89, 27007.	0.7	39
10	Electronic structure of the candidate 2D Dirac semimetal SrMnSb_2 : a combined experimental and theoretical study. <i>SciPost Physics</i> , 2018, 4, .	1.5	28
11	Dirac states with knobs on: Interplay of external parameters and the surface electronic properties of three-dimensional topological insulators. <i>Physical Review B</i> , 2015, 91, .	1.1	24
12	Ultrathin complex oxide nanomechanical resonators. <i>Communications Physics</i> , 2020, 3, .	2.0	24
13	Pseudogap-less high-T c superconductivity in $\text{BaCoFe}_2\text{As}_2$. <i>Europhysics Letters</i> , 2010, 92, 57012.	0.7	23
14	Trigger of the Ubiquitous Surface Band Bending in 3D Topological Insulators. <i>Physical Review X</i> , 2017, 7, .	2.8	22
15	Direct observation of a Fermi liquid-like normal state in an iron-pnictide superconductor. <i>Scientific Reports</i> , 2015, 5, 12421.	1.6	20
16	SmB_6 coupling constant from time- and angle-resolved photoelectron spectroscopy. <i>Physical Review B</i> , 2016, 94, .	1.1	12
17	Impact of a finite cut-off for the optical sum rule in the superconducting state. <i>Physical Review B</i> , 2008, 77, .	1.1	11
18	Angle-resolved and core-level photoemission study of interfacing the topological insulator $\text{Bi}_2\text{Sb}_3\text{Ag}$. <i>Physical Review B</i> , 2015, 92, .	1.1	11

#	ARTICLE	IF	CITATIONS
19	Micro-metric electronic patterning of a topological band structure using a photon beam. Scientific Reports, 2015, 5, 16309.	1.6	6
20	Kagome lattices with chiral charge density. Nature Materials, 2021, 20, 1308-1309.	13.3	6
21	From bad metal to Kondo insulator: temperature evolution of the optical properties of SmB6. New Journal of Physics, 2016, 18, 123003.	1.2	4
22	Scattering rate collapse driven by a van Hove singularity in the Dirac semimetal PdTe . Physical Review Materials, 2019, 3, .		
23	Signatures of the charge density wave collective mode in the infrared optical response of VSe_2 . Physical Review B, 2021, 104, .	1.1	2
24	Superconducting dome and pseudogap endpoint in Bi_2Te_3 . Physical Review Materials, 2022, 6, .	0.9	2