

Freek Massee

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22 papers	876 citations	14 h-index	24 g-index
24 ext. papers	968 ext. citations	9.4 avg, IF	3.57 L-index

#	Paper	IF	Citations
22	Imaging Cooper pairing of heavy fermions in CeCoIn ₅ . <i>Nature Physics</i> , 2013 , 9, 468-473	16.2	143
21	Anisotropic impurity states, quasiparticle scattering and nematic transport in underdoped Ca(Fe _{1-x} Co _x) ₂ As ₂ . <i>Nature Physics</i> , 2013 , 9, 220-224	16.2	107
20	Cleavage surfaces of the BaFe _{2-x} Co _x As ₂ and Fe _{1-x} Te _x superconductors: A combined STM plus LEED study. <i>Physical Review B</i> , 2009 , 80,	3.3	79
19	Nanoscale superconducting-gap variations and lack of phase separation in optimally doped BaFe _{1.86} Co _{0.14} As ₂ . <i>Physical Review B</i> , 2009 , 79,	3.3	74
18	Hard x-ray photoemission and density functional theory study of the internal electric field in SrTiO ₃ /LaAlO ₃ oxide heterostructures. <i>Physical Review B</i> , 2013 , 87,	3.3	60
17	Spectroscopy of bulk and few-layer superconducting NbSe with van der Waals tunnel junctions. <i>Nature Communications</i> , 2018 , 9, 598	17.4	50
16	Existence, character, and origin of surface-related bands in the high temperature iron pnictide superconductor BaFe(2-x)Co(x)As ₂ . <i>Physical Review Letters</i> , 2011 , 106, 027002	7.4	50
15	Imaging atomic-scale effects of high-energy ion irradiation on superconductivity and vortex pinning in Fe(Se,Te). <i>Science Advances</i> , 2015 , 1, e1500033	14.3	44
14	High-resolution, hard x-ray photoemission investigation of BaFe ₂ As ₂ : Moderate influence of the surface and evidence for a low degree of Fe 3dAs 4p hybridization of electronic states near the Fermi energy. <i>Physical Review B</i> , 2009 , 79,	3.3	40
13	Bilayer manganites reveal polarons in the midst of a metallic breakdown. <i>Nature Physics</i> , 2011 , 7, 978-982	26.2	37
12	Direct evidence for a magnetic f-electron-mediated pairing mechanism of heavy-fermion superconductivity in CeCoIn ₅ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11663-7	11.5	36
11	Droplet-like Fermi surfaces in the anti-ferromagnetic phase of EuFe ₂ As ₂ , an Fe-pnictide superconductor parent compound. <i>Europhysics Letters</i> , 2010 , 89, 27007	1.6	33
10	Identifying the Fingerprint of antiferromagnetic spin fluctuations in iron pnictide superconductors. <i>Nature Physics</i> , 2015 , 11, 177-182	16.2	30
9	Pseudogap-less high-T _c superconductivity in BaCo _x Fe _{2-x} As ₂ . <i>Europhysics Letters</i> , 2010 , 92, 57012	1.6	21
8	Comparative study of rare earth hexaborides using high resolution angle-resolved photoemission. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2016 , 208, 43-50	1.7	14
7	Quasiparticles and anomalous temperature dependence of the low-lying states in the colossal magnetoresistant oxide La _{2-x} Sr _{1+2x} Mn ₂ O ₇ (x=0.36) from angle-resolved photoemission. <i>Physical Review B</i> , 2007 , 76,	3.3	14
6	Atomic scale shot-noise using cryogenic MHz circuitry. <i>Review of Scientific Instruments</i> , 2018 , 89, 093708	1.7	14

5	Noisy defects in the high-T superconductor BiSrCaCuO. <i>Nature Communications</i> , 2019 , 10, 544	17.4	10
4	High-resolution hard x-ray photoemission investigation of $\text{La}_{2-x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ (0.30). <i>Physical Review B</i> , 2009 , 80,	3.3	9
3	Orbital superconductivity, defects, and pinned nematic fluctuations in the doped iron chalcogenide $\text{FeSe}_{0.45}\text{Te}_{0.55}$. <i>Physical Review B</i> , 2017 , 96,	3.3	6
2	Atomic manipulation of the gap in BiSrCaCuO. <i>Science</i> , 2020 , 367, 68-71	33.3	4
1	Tunable High Speed Atomic Rotor in BiSe Revealed by Current Noise. <i>ACS Nano</i> , 2021 , 15, 1421-1425	16.7	1