

# Freek Massee

## List of Publications by Year in Descending Order

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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	Tunable High Speed Atomic Rotor in BiSe Revealed by Current Noise. <i>ACS Nano</i> , <b>2021</b> , 15, 1421-1425	16.7	1
21	Atomic manipulation of the gap in BiSrCaCuO. <i>Science</i> , <b>2020</b> , 367, 68-71	33.3	4
20	Noisy defects in the high-T superconductor BiSrCaCuO. <i>Nature Communications</i> , <b>2019</b> , 10, 544	17.4	10
19	Spectroscopy of bulk and few-layer superconducting NbSe with van der Waals tunnel junctions. <i>Nature Communications</i> , <b>2018</b> , 9, 598	17.4	50
18	Atomic scale shot-noise using cryogenic MHz circuitry. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 093708	1.7	14
17	Orbital superconductivity, defects, and pinned nematic fluctuations in the doped iron chalcogenide FeSe <sub>0.45</sub> Te <sub>0.55</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	6
16	Comparative study of rare earth hexaborides using high resolution angle-resolved photoemission. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2016</b> , 208, 43-50	1.7	14
15	Imaging atomic-scale effects of high-energy ion irradiation on superconductivity and vortex pinning in Fe(Se,Te). <i>Science Advances</i> , <b>2015</b> , 1, e1500033	14.3	44
14	Identifying the Fingerprint of antiferromagnetic spin fluctuations in iron pnictide superconductors. <i>Nature Physics</i> , <b>2015</b> , 11, 177-182	16.2	30
13	Direct evidence for a magnetic f-electron-mediated pairing mechanism of heavy-fermion superconductivity in CeCoIn <sub>5</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 11663-7	11.5	36
12	Imaging Cooper pairing of heavy fermions in CeCoIn <sub>5</sub> . <i>Nature Physics</i> , <b>2013</b> , 9, 468-473	16.2	143
11	Hard x-ray photoemission and density functional theory study of the internal electric field in SrTiO <sub>3</sub> /LaAlO <sub>3</sub> oxide heterostructures. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	60
10	Anisotropic impurity states, quasiparticle scattering and nematic transport in underdoped Ca(Fe <sub>1-x</sub> Co <sub>x</sub> ) <sub>2</sub> As <sub>2</sub> . <i>Nature Physics</i> , <b>2013</b> , 9, 220-224	16.2	107
9	Bilayer manganites reveal polarons in the midst of a metallic breakdown. <i>Nature Physics</i> , <b>2011</b> , 7, 978-982	26.2	37
8	Existence, character, and origin of surface-related bands in the high temperature iron pnictide superconductor BaFe(2-x)Co(x)As <sub>2</sub> . <i>Physical Review Letters</i> , <b>2011</b> , 106, 027002	7.4	50
7	Droplet-like Fermi surfaces in the anti-ferromagnetic phase of EuFe <sub>2</sub> As <sub>2</sub> , an Fe-pnictide superconductor parent compound. <i>Europhysics Letters</i> , <b>2010</b> , 89, 27007	1.6	33
6	Pseudogap-less high-T <sub>c</sub> superconductivity in BaCo <sub>x</sub> Fe <sub>2-x</sub> As <sub>2</sub> . <i>Europhysics Letters</i> , <b>2010</b> , 92, 57012	1.6	21

5	High-resolution hard x-ray photoemission investigation of $\text{La}_{2-x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ ( $0.30 \leq x \leq 1$ ). <i>Physical Review B</i> , <b>2009</b> , 80,	3-3	9
4	High-resolution, hard x-ray photoemission investigation of $\text{BaFe}_2\text{As}_2$ : Moderate influence of the surface and evidence for a low degree of Fe 3d/As 4p hybridization of electronic states near the Fermi energy. <i>Physical Review B</i> , <b>2009</b> , 79,	3-3	40
3	Cleavage surfaces of the $\text{BaFe}_{2-x}\text{Co}_x\text{As}_2$ and $\text{Fe}_y\text{Se}_{1-y}\text{Te}_x$ superconductors: A combined STM plus LEED study. <i>Physical Review B</i> , <b>2009</b> , 80,	3-3	79
2	Nanoscale superconducting-gap variations and lack of phase separation in optimally doped $\text{BaFe}_{1.86}\text{Co}_{0.14}\text{As}_2$ . <i>Physical Review B</i> , <b>2009</b> , 79,	3-3	74
1	Quasiparticles and anomalous temperature dependence of the low-lying states in the colossal magnetoresistant oxide $\text{La}_{2-x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ ( $x=0.36$ ) from angle-resolved photoemission. <i>Physical Review B</i> , <b>2007</b> , 76,	3-3	14