

# Eric Andersson Wahlberg

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

286  
citations

1163117

8  
h-index

1199594

12  
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docs citations

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times ranked

447  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping the Phase Diagram of a $YBa_2Cu_3O_{7-\delta}$ Nanowire Through Electromigration. <i>Physical Review Applied</i> , 2022, 17, .	1.8	5
2	Restored strange metal phase through suppression of charge density waves in underdoped $YBa_2Cu_3O_{7-\delta}$ . <i>Science</i> , 2021, 373, 1506-1510.	12.6	21
3	SQUID Magnetometer Based on Grooved Dayem Nanobridges and a Flux Transformer. <i>IEEE Transactions on Applied Superconductivity</i> , 2020, 30, 1-4.	1.7	13
4	Properties of grooved Dayem bridge based $YBa_2Cu_3O_{7-\delta}$ superconducting quantum interference devices and magnetometers. <i>Applied Physics Letters</i> , 2020, 116, 132601.	3.3	20
5	Fabrication and electrical transport characterization of high quality underdoped $YBa_2Cu_3O_{7-\delta}$ nanowires. <i>Superconductor Science and Technology</i> , 2020, 33, 064002.	3.5	8
6	Dynamical charge density fluctuations pervading the phase diagram of a Cu-based high- $T_c$ superconductor. <i>Science</i> , 2019, 365, 906-910.	12.6	125
7	Transport and noise properties of YBCO nanowire based nanoSQUIDs. <i>Superconductor Science and Technology</i> , 2019, 32, 073001.	3.5	23
8	Grooved Dayem Nanobridges as Building Blocks of High-Performance $YBa_2Cu_3O_{7-\delta}$ SQUID Magnetometers. <i>Nano Letters</i> , 2019, 19, 1902-1907.	9.1	23
9	SQUID magnetometer based on Grooved Dayem nanobridges and a flux transformer. , 2019, , .		0
10	Untwinned $YBa_2Cu_3O_{7-\delta}$ thin films on MgO substrates: A platform to study strain effects on the local orders in cuprates. <i>Physical Review Materials</i> , 2019, 3, .	2.4	9
11	Probing the phase diagram of cuprates with $YBa_2Cu_3O_{7-\delta}$ thin films and nanowires. <i>Physical Review Materials</i> , 2018, 2, .	2.4	9
12	Noise Properties of YBCO Nanostructures. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-4.	1.7	5
13	Study of in-plane electrical transport anisotropy of $a$ -axis oriented $YBa_2Cu_3O_{7-\delta}$ nanodevices. <i>Physical Review B</i> , 2017, 95, .	3.2	7
14	Nondestructive cleaning of the $LaAlO_3/SrTiO_3$ surface with ultraviolet light and ozone. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2016, 34, .	1.2	0