

Rolf Lortz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4347395/publications.pdf>

Version: 2024-02-01

25
papers

794
citations

623188

14
h-index

610482

24
g-index

25
all docs

25
docs citations

25
times ranked

1724
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal transport properties and some hydrodynamic-like behavior in three-dimensional topological semimetal $ZrTe_5$. Physical Review B, 2022, 105, .	11.0	0
2	Evidence for the Fulde-Ferrell-Larkin-Ovchinnikov state in bulk NbS ₂ . Nature Communications, 2021, 12, 3676.	5.8	15
3	Tuning the Self-Trapped Emission: Reversible Transformation to 0D Copper Clusters Permits Bright Red Emission in Potassium and Rubidium Copper Bromides. ACS Energy Letters, 2021, 6, 4383-4389.	8.8	16
4	Spectroscopic fingerprint of chiral Majorana modes at the edge of a quantum anomalous Hall insulator/superconductor heterostructure. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 238-242.	3.3	22
5	Z ₃ -vestigial nematic order due to superconducting fluctuations in the doped topological insulators Nb _x Bi ₂ Se ₃ and Cu _x Bi ₂ Se ₃ . Nature Communications, 2020, 11, 3056.	5.8	35
6	A Combined Experimental and Theoretical Study of the Versatile Reactivity of an Oxocerium(IV) Complex: Concerted Versus Reductive Addition. Chemistry - A European Journal, 2019, 25, 10834-10839.	1.7	6
7	Odd-integer Quantum Hall States and Giant Spin Susceptibility in WSe_2 -Type Few-Layer Superconductor. Physical Review Letters, 2017, 118, 067702.	2.9	37
8	Nematic topological superconducting phase in Nb-doped Bi ₂ Se ₃ . Npj Quantum Materials, 2017, 2, .	1.8	67
9	Thermodynamic Evidence for the Fulde-Ferrell-Larkin-Ovchinnikov State in the $KFeAs_2$ Superconductor. Physical Review Letters, 2017, 119, 217002.	2.9	59
10	Pressure-induced reinforcement of interfacial superconductivity in a Bi ₂ Te ₃ /Fe _{1+y} Te heterostructure. Physica C: Superconductivity and Its Applications, 2017, 543, 18-21.	0.6	3
11	Achieving Ultrahigh Carrier Mobility in Two-Dimensional Hole Gas of Black Phosphorus. Nano Letters, 2016, 16, 7768-7773.	4.5	242
12	Dramatic enhancement of superconductivity in single-crystalline nanowire arrays of Sn. Scientific Reports, 2016, 6, 32963.	1.6	20
13	Absence of nematic order in the pressure-induced intermediate phase of the iron-based superconductor $Ba_{1-x}K_xFe_2As_2$.		
14	Edge effect and significant increase of the superconducting transition onset temperature of 2D superconductors in flat and curved geometries. Physica C: Superconductivity and Its Applications, 2016, 521-522, 50-54.	0.6	3
15	Doping dependence of the critical fluctuation regime in the Fe-based superconductor $Ba_{1-x}K_xFe_2As_2$. Physical Review B, 2015, 92, .	1.1	4
16	Detection of interlayer interaction in few-layer graphene. Physical Review B, 2015, 92, .	1.1	22
17	Observation of Room Temperature Ferromagnetism in Conducting and Insulating Cu doped ZnO Thin Films. Journal of Superconductivity and Novel Magnetism, 2015, 28, 855-858.	0.8	2
18	Formation Mechanism of Superconducting Fe _{1+x} Te/Bi ₂ Te ₃ Bilayer Synthesized via Interfacial Chemical Reactions. Crystal Growth and Design, 2014, 14, 3370-3374.	1.4	5

#	ARTICLE	IF	CITATIONS
19	Two-dimensional superconductivity at the interface of a Bi ₂ Te ₃ /FeTe heterostructure. Nature Communications, 2014, 5, 4247.	5.8	114
20	Density of States and Its Local Fluctuations Determined by Capacitance of Strongly Disordered Graphene. Scientific Reports, 2013, 3, .	1.6	20
21	Effect of the polymeric matrix on the structural and magnetic properties of hematite/polymer composites. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	9
22	Magnetic properties of Mg-doped AlN zigzag nanowires. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 1988-1992.	0.8	14
23	Observation of the Meissner state in superconducting arrays of 4-Å... carbon nanotubes. Physical Review B, 2011, 83, .	1.1	6
24	1D goes 2D: A Berezinskii-Kosterlitz-Thouless transition in superconducting arrays of 4-Ångstrom carbon nanotubes. Physica Status Solidi (B): Basic Research, 2010, 247, 2968-2973.	0.7	2
25	Superconducting characteristics of 4-Å carbon nanotube-zeolite composite. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7299-7303.	3.3	58