Markus Stiller

List of Publications by Year
in descending order

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23 papers	252 citations	1040056 9 h-index	996975 15 g-index
23 all docs	23 docs citations	23 times ranked	389 citing authors

#	Article	IF	Citations
1	On the Localization of Persistent Currents Due to Trapped Magnetic Flux at the Stacking Faults of Graphite at Room Temperature. Materials, 2022, 15, 3422.	2.9	7
2	Influence of surface band bending on a narrow band gap semiconductor: Tunneling atomic force studies of graphite with Bernal and rhombohedral stacking orders. Physical Review Materials, 2021, 5, .	2.4	5
3	Hydrogenated anatase TiO₂ single crystals: defects formation and structural changes as microscopic origin of co-catalyst free photocatalytic H₂ evolution activity. Journal of Materials Chemistry A, 2021, 9, 24932-24942.	10.3	7
4	Defectâ€Induced Magnetism in Nonmagnetic Oxides: Basic Principles, Experimental Evidence, and Possible Devices with ZnO and TiO₂. Physica Status Solidi (B): Basic Research, 2020, 257, 1900623.	1.5	26
5	Titanium 3d ferromagnetism with perpendicular anisotropy in defective anatase. Physical Review B, 2020, 101, .	3.2	10
6	Recordâ€Breaking Magnetoresistance at the Edge of a Microflake of Natural Graphite. Advanced Engineering Materials, 2019, 21, 1900991.	3.5	2
7	Unconventional Magnetization below 25â€‰K in Nitrogen-doped Diamond provides hints for the existence of Superconductivity and Superparamagnetism. Scientific Reports, 2019, 9, 8743.	3.3	9
8	Recordâ€Breaking Magnetoresistance at the Edge of a Microflake of Natural Graphite. Advanced Engineering Materials, 2019, 21, 1970039.	3.5	3
9	High-field magnetoresistance of graphite revised. Physical Review Materials, 2019, 3, .	2.4	7
10	Magnetotransport properties of microstructured AlCu2Mn Heusler alloy thin films in the amorphous and crystalline phase. Journal of Magnetism and Magnetic Materials, 2018, 456, 281-287.	2.3	4
11	Local Magnetic Measurements of Trapped Flux Through a Permanent Current Path in Graphite. Journal of Low Temperature Physics, 2018, 191, 105-121.	1.4	11
12	Evidence for room temperature superconductivity at graphite interfaces. Quantum Studies: Mathematics and Foundations, 2018, 5, 41-53.	0.9	16
13	Influence of interfaces on the transport properties of graphite revealed by nanometer thickness reduction. Carbon, 2018, 139, 1074-1084.	10.3	22
14	Fabrication and electrical transport properties of embedded graphite microwires in a diamond matrix. Journal Physics D: Applied Physics, 2017, 50, 145301.	2.8	2
15	Electrical transport properties of polycrystalline and amorphous TiO 2 Âsingle nanotubes. Nano Structures Nano Objects, 2017, 10, 51-56.	3.5	7
16	Influence of rhombohedral stacking order in the electrical resistance of bulk and mesoscopic graphite. Physical Review B, 2017, 95, .	3.2	24
17	Functionalized Akiyama tips for magnetic force microscopy measurements. Measurement Science and Technology, 2017, 28, 125401.	2.6	13
18	Superconductivity in the amorphous phase of topological insulator Bi_xSb_{100â€“x}alloys. Superconductor Science and Technology, 2017, 30, 015013.	3.5	6

#	Article	IF	Citations
19	Strong out-of-plane magnetic anisotropy in ion irradiated anatase TiO2 thin films. AIP Advances, 2016, 6, 125009.	1.3	16
20	Structural, magnetic and electronic transport properties of amorphous and quasicrystalline Al70Pd20Fe10thin films. Materials Research Express, 2015, 2, 096403.	1.6	7
21	Topological insulator thin films starting from the amorphous phase-Bi2Se3as example. Journal of Applied Physics, 2015, 117, 075301.	2.5	16
22	Electrical properties of ZnO single nanowires. Nanotechnology, 2015, 26, 395703.	2.6	8
23	Transport properties of single TiO2 nanotubes. Applied Physics Letters, 2013, 103, 173108.	3.3	24