

Tobias RÃ¶del

List of Publications by Year in descending order

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19
papers

858
citations

623734

14
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

1647
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant spin splitting of the two-dimensional electron gas at the surface of SrTiO ₃ . Nature Materials, 2014, 13, 1085-1090.	27.5	137
2	Universal Fabrication of 2D Electron Systems in Functional Oxides. Advanced Materials, 2016, 28, 1976-1980.	21.0	129
3	Orientalional Tuning of the Fermi Sea of Confined Electrons at the (111) and (111) Surfaces. Physical Review Applied, 2014, 1, .	3.8	69
4	Iron speciation and mixing in single aerosol particles from the Asian continental outflow. Journal of Geophysical Research, 2012, 117, .	3.3	59
5	ARPES view on surface and bulk hybridization phenomena in the antiferromagnetic Kondo lattice CeRh ₂ Si ₂ . Nature Communications, 2016, 7, 11029.	12.8	58
6	Spectro-microscopic measurements of carbonaceous aerosol aging in Central California. Atmospheric Chemistry and Physics, 2013, 13, 10445-10459.	4.9	56
7	Two-dimensional electron gas with six-fold symmetry at the (111) surface of KTaO ₃ . Scientific Reports, 2014, 4, 3586.	3.3	53
8	Heterogeneous ice nucleation and water uptake by field-collected atmospheric particles below 273 K. Journal of Geophysical Research, 2012, 117, .	3.3	52
9	Engineering two-dimensional electron gases at the (001) and (101) surfaces of TiO ₂ anatase using light. Physical Review B, 2015, 92, .	3.2	51
10	Hubbard band versus oxygen vacancy states in the correlated electron metal SrVO ₃ . Physical Review B, 2016, 94, .	3.2	46
11	Imaging of room-temperature ferromagnetic nano-domains at the surface of a non-magnetic oxide. Nature Communications, 2016, 7, 11781.	12.8	30
12	Quasi-Fermi-Level Splitting of Cu ⁻ -Poor and Cu ⁺ -Rich Two-dimensional electron system at the magnetically tunable Cu ₂ O surface interface. Physical Review Materials, 2017, 1, .	3.8	30
13	Two-dimensional electron system at the magnetically tunable Cu ₂ O surface interface. Physical Review Materials, 2017, 1, .	3.8	30
14	High spatial resolution Raman thermometry analysis of TiO ₂ microparticles. Review of Scientific Instruments, 2013, 84, 104906.	1.3	15
15	Two-dimensional electron systems in A _{1-x} B _x TiO ₃ perovskites (A = Ca, Sr, Ba, Pb). Physical Review Letters, 2014, 112, 167401.	13.9	14
16	High-density two-dimensional electron system induced by oxygen vacancies in ZnO. Physical Review Materials, 2018, 2, .	2.4	14
17	2D surprises at the surface of 3D materials: Confined electron systems in transition metal oxides. Journal of Electron Spectroscopy and Related Phenomena, 2017, 219, 16-28.	1.7	13
18	Gate-tunable superconductivity at SrTiO ₃ surface realized by Al layer evaporation. Journal of Applied Physics, 2018, 124, .	2.5	7

#	ARTICLE	IF	CITATIONS
19	Angle resolved photoemission spectroscopy study of the spin-charge separation in the strongly correlated cuprates SrCuO ₂ and Sr ₂ CuO ₃ with S ²⁻ impurities. Journal of Electron Spectroscopy and Related Phenomena, 2018, 225, 49-54.	1.7	2