

Jeff Walter

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2131373/publications.pdf>

Version: 2024-02-01

20
papers

407
citations

759233

12
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

654
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrostatic <i>versus</i> Electrochemical Doping and Control of Ferromagnetism in Ion-Gel-Gated Ultrathin $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_{3-\delta}$. ACS Nano, 2016, 10, 7799-7810. long-gel-gating-induced oxygen vacancy formation in epitaxial	14.6	81
2	$L_{\text{a}}\text{O}_{\text{a}}\text{S}_{\text{r}}\text{O}_{\text{0.5}}\text{C}_{\text{o}}\text{O}_{\text{3}}$ Transport Evidence for Sulfur Vacancies as the Origin of Unintentional n-Type Doping in Pyrite FeS_2 . ACS Applied Materials & Interfaces, 2019, 11, 15552-15563.	2.4	44
3	Transport Evidence for Sulfur Vacancies as the Origin of Unintentional n-Type Doping in Pyrite FeS_2 . ACS Applied Materials & Interfaces, 2019, 11, 15552-15563.	8.0	35
4	Voltage-induced ferromagnetism in a diamagnet. Science Advances, 2020, 6, eabb7721. Perpendicular magnetic anisotropy via strain-engineered oxygen vacancy ordering in epitaxial	10.3	34
5	$L_{\text{a}}\text{O}_{\text{a}}\text{S}_{\text{r}}\text{O}_{\text{0.5}}\text{C}_{\text{o}}\text{O}_{\text{3}}$ Perpendicular magnetic anisotropy via strain-engineered oxygen vacancy ordering in epitaxial $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_{3-\delta}$ thin films. Physical Review Materials, 2017, 1, .	2.4	28
6	Potential resolution to the doping puzzle in iron pyrite: Carrier type determination by Hall effect and thermopower. Physical Review Materials, 2017, 1, .	2.4	27
7	Surface conduction in FeS_2 pyrite crystals. Physical Review Materials, 2017, 1, .	2.4	27
8	Class-Like Through-Plane Thermal Conductivity Induced by Oxygen Vacancies in Nanoscale Epitaxial $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_{3-\delta}$. Advanced Functional Materials, 2017, 27, 1704233.	14.9	24
9	Giant anisotropic magnetoresistance in oxygen-vacancy-ordered epitaxial $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_{3-\delta}$ thin films. Physical Review Materials, 2020, 4, .	2.4	23
10	Giant anisotropic magnetoresistance in oxygen-vacancy-ordered epitaxial $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_{3-\delta}$ thin films. Physical Review Materials, 2020, 4, .	2.4	21
11	Wide-voltage-window reversible control of electronic transport in electrolyte-gated epitaxial BaSnO_3 . Physical Review Materials, 2019, 3, .	2.4	20
12	Strain-induced majority carrier inversion in ferromagnetic epitaxial LaCoO_3 thin films. Physical Review Materials, 2020, 4, .	2.4	14
13	What controls electrostatic vs electrochemical response in electrolyte-gated materials? A perspective on critical materials factors. APL Materials, 2022, 10, 040901.	5.1	10
14	Soft x-ray absorption spectroscopy and magnetic circular dichroism as operando probes of complex oxide electrolyte gate transistors. Applied Physics Letters, 2020, 116, 201905.	3.3	5
15	Thermal Conductivity: Class-Like Through-Plane Thermal Conductivity Induced by Oxygen Vacancies in Nanoscale Epitaxial $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_{3-\delta}$. (Adv.) Tj ETQq1419.784314 rgBT	14.9	24
16	Mitigation of the internal <i>p-n</i> junction in CoS_2 -contacted FeS_2 single crystals: Accessing bulk semiconducting transport. Physical Review Materials, 2021, 5, .	2.4	4
17	Percolation via Combined Electrostatic and Chemical Doping in Complex Oxide Films. Physical Review Letters, 2017, 118, 106801.	7.8	3
18	Atomic-resolution study of oxygen vacancy ordering in $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$ -s thin films on SrTiO_3 during in situ cooling experiments.. Microscopy and Microanalysis, 2018, 24, 84-85.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Atomic-scale characterization of the oxygen vacancy ordering in La _{0.5} Sr _{0.5} CoO ₃ thin film grown on SrTiO ₃ using in-situ cooling experiments. <i>Microscopy and Microanalysis</i> , 2016, 22, 1626-1627.	0.4	1
20	Studying the effects of interfacial coupling in La _{0.5} Sr _{0.5} CoO ₃ - λ thin films on SrTiO ₃ using in-situ cooling experiments. <i>Microscopy and Microanalysis</i> , 2017, 23, 850-851.	0.4	0