

# Jeff Walter

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

407  
citations

759233

12  
h-index

794594

19  
g-index

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all docs

20  
docs citations

20  
times ranked

654  
citing authors

#	ARTICLE	IF	CITATIONS
1	What controls electrostatic vs electrochemical response in electrolyte-gated materials? A perspective on critical materials factors. APL Materials, 2022, 10, 040901.	5.1	10
2	Mitigation of the internal p-n junction in $\text{CoS}_2$ -contacted $\text{FeS}_2$ single crystals: Accessing bulk semiconducting transport. Physical Review Materials, 2021, 5, .	2.4	4
3	Voltage-induced ferromagnetism in a diamagnet. Science Advances, 2020, 6, eabb7721.	10.3	34
4	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
5	Strain-induced majority carrier inversion in ferromagnetic epitaxial $\text{LaCoO}_3$ thin films. Physical Review Materials, 2020, 4, .	2.4	14
6	Giant anisotropic magnetoresistance in oxygen-vacancy-ordered epitaxial $\text{La}_3\text{VO}_7$ films. Physical Review Materials, 2020, 4, .	2.4	21
7	Transport Evidence for Sulfur Vacancies as the Origin of Unintentional n-Type Doping in Pyrite $\text{FeS}_2$ . ACS Applied Materials & Interfaces, 2019, 11, 15552-15563.	8.0	35
8	Wide-voltage-window reversible control of electronic transport in electrolyte-gated epitaxial $\text{BaSnO}_3$ . Physical Review Materials, 2019, 3, .	2.4	20
9	Atomic-resolution study of oxygen vacancy ordering in $\text{La}_0.5\text{Sr}_0.5\text{CoO}_3$ -s thin films on $\text{SrTiO}_3$ during in situ cooling experiments.. Microscopy and Microanalysis, 2018, 24, 84-85.	0.4	2
10	Perpendicular magnetic anisotropy via strain-engineered oxygen vacancy ordering in epitaxial $\text{La}_3\text{VO}_7$ . Physical Review Materials, 2018, 2, .	2.4	28
11	Pyrite-gate-induced cluster percolation in $\text{La}_3\text{VO}_7$ . Physical Review Materials, 2018, 2, .	2.4	23
12	Percolation via Combined Electrostatic and Chemical Doping in Complex Oxide Films. Physical Review Letters, 2017, 118, 106801.	7.8	3
13	Glass-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
14	Thermal Conductivity: Glass-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 ETQq0400 rgBT4/Overlock	14.9	24
15	Studying the effects of interfacial coupling in $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_{3-\delta}$ thin films on $\text{SrTiO}_3$ using in-situ cooling experiments. Microscopy and Microanalysis, 2017, 23, 850-851.	0.4	0
16	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
17	Surface conduction in n-type pyrite $\text{FeS}_2$ ion-gel-gating-induced oxygen vacancy formation in epitaxial $\text{FeS}_2$	2.4	27
18	Surface conduction in n-type pyrite $\text{FeS}_2$ ion-gel-gating-induced oxygen vacancy formation in epitaxial $\text{FeS}_2$	2.4	44

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19	Atomic-scale characterization of the oxygen vacancy ordering in La <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> thin film grown on SrTiO <sub>3</sub> using in-situ cooling experiments. <i>Microscopy and Microanalysis</i> , 2016, 22, 1626-1627.	0.4	1
20	Electrostatic <i>versus</i> Electrochemical Doping and Control of Ferromagnetism in Ion-Gel-Gated Ultrathin La <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> . <i>ACS Nano</i> , 2016, 10, 7799-7810.	14.6	81