

# Jean-Marc Triscone

## List of Publications by Citations

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papers

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51  
ext. papers

5,496  
ext. citations

14.9  
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5.28  
L-index

#	Paper	IF	Citations
45	Strain Tuning of Ferroelectric Thin Films. <i>Annual Review of Materials Research</i> , <b>2007</b> , 37, 589-626	12.8	869
44	Interface Physics in Complex Oxide Heterostructures. <i>Annual Review of Condensed Matter Physics</i> , <b>2011</b> , 2, 141-165	19.7	833
43	Improper ferroelectricity in perovskite oxide artificial superlattices. <i>Nature</i> , <b>2008</b> , 452, 732-6	50.4	674
42	Electrostatic modification of novel materials. <i>Reviews of Modern Physics</i> , <b>2006</b> , 78, 1185-1212	40.5	421
41	Magnetoelectric Effects in Complex Oxides with Competing Ground States. <i>Advanced Materials</i> , <b>2009</b> , 21, 3470-3474	24	361
40	Exchange bias in LaNiO <sub>3</sub> -LaMnO <sub>3</sub> superlattices. <i>Nature Materials</i> , <b>2012</b> , 11, 195-8	27	358
39	Ferroelectricity and tetragonality in ultrathin PbTiO <sub>3</sub> films. <i>Physical Review Letters</i> , <b>2005</b> , 94, 047603	7.4	259
38	Electric-field control of the metal-insulator transition in ultrathin NdNiO <sub>3</sub> films. <i>Advanced Materials</i> , <b>2010</b> , 22, 5517-20	24	227
37	Negative capacitance in multidomain ferroelectric superlattices. <i>Nature</i> , <b>2016</b> , 534, 524-8	50.4	205
36	Ground-state oxygen holes and the metal-insulator transition in the negative charge-transfer rare-earth nickelates. <i>Nature Communications</i> , <b>2016</b> , 7, 13017	17.4	130
35	Tuning of the depolarization field and nanodomain structure in ferroelectric thin films. <i>Nano Letters</i> , <b>2014</b> , 14, 4205-11	11.5	79
34	Superlattices of high-temperature superconductors: synthetically modulated structures, critical temperatures and vortex dynamics. <i>Reports on Progress in Physics</i> , <b>1997</b> , 60, 1673-1721	14.4	67
33	Giant oscillating thermopower at oxide interfaces. <i>Nature Communications</i> , <b>2015</b> , 6, 6678	17.4	52
32	Monodomain to polydomain transition in ferroelectric PbTiO <sub>3</sub> thin films with La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> electrodes. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 052907	3.4	47
31	Spectroscopic mapping of local structural distortions in ferroelectric PbTiO <sub>3</sub> /SrTiO <sub>3</sub> superlattices at the unit-cell scale. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	44
30	Conductivity and Local Structure of LaNiO Thin Films. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605197	24	36
29	Positive Effect of an Internal Depolarization Field in Ultrathin Epitaxial Ferroelectric Films. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1500288	6.4	36

28	Built-in voltage in thin ferroelectric PbTiO <sub>3</sub> films: the effect of electrostatic boundary conditions. <i>New Journal of Physics</i> , <b>2016</b> , 18, 043030	2.9	30
27	Ferroelectric Size Effects. <i>Topics in Applied Physics</i> , <b>2007</b> , 305-338	0.5	25
26	Fabricating superconducting interfaces between artificially grown LaAlO <sub>3</sub> and SrTiO <sub>3</sub> thin films. <i>APL Materials</i> , <b>2014</b> , 2, 012102	5.7	23
25	Thickness-Dependent Perovskite Octahedral Distortions at Heterointerfaces. <i>Nano Letters</i> , <b>2019</b> , 19, 4188-4194	11.5	17
24	Length scales of interfacial coupling between metal and insulator phases in oxides. <i>Nature Materials</i> , <b>2020</b> , 19, 1182-1187	27	16
23	Ferroelectricity in Ultrathin-Film Capacitors 265-230		11
22	High sensitivity variable-temperature infrared nanoscopy of conducting oxide interfaces. <i>Nature Communications</i> , <b>2019</b> , 10, 2774	17.4	10
21	Oxide interface superconductivity. <i>Comptes Rendus Physique</i> , <b>2011</b> , 12, 591-599	1.4	10
20	Vortex motion in coupled DyBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> /(Y <sub>0.6</sub> Pr <sub>0.4</sub> )Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> heterostructures. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>1994</b> , 7, 181-185		8
19	Full Control of Polarization in Ferroelectric Thin Films Using Growth Temperature to Modulate Defects. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 2000852	6.4	8
18	Designing and controlling the properties of transition metal oxide quantum materials. <i>Nature Materials</i> , <b>2021</b> , 20, 1462-1468	27	8
17	Growth and characterization of (Pb,La)(Zr,Ti)O <sub>3</sub> thin film epilayers on SrTiO <sub>3</sub> -buffered Si(001). <i>Thin Solid Films</i> , <b>2010</b> , 518, 5471-5477	2.2	7
16	Phase transitions in ultra-thin ferroelectric films and fine period multilayers. <i>Phase Transitions</i> , <b>2008</b> , 81, 623-642	1.3	7
15	A-axis-oriented YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> /PrBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> superlattices: Growth and transport properties. <i>Journal of Alloys and Compounds</i> , <b>1992</b> , 183, 224-240	5.7	7
14	Vibrational properties of LaNiO <sub>3</sub> films in the ultrathin regime. <i>APL Materials</i> , <b>2020</b> , 8, 061102	5.7	5
13	Probing Quantum Confinement and Electronic Structure at Polar Oxide Interfaces. <i>Advanced Science</i> , <b>2018</b> , 5, 1800242	13.6	5
12	Materials physics: reactive walls. <i>Nature</i> , <b>2014</b> , 515, 348-50	50.4	4
11	Transport properties of a-axis YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> /PrBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> superlattices. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 185-189, 2065-2066	1.3	4

10	Near-Atomic-Scale Mapping of Electronic Phases in Rare Earth Nickelate Superlattices. <i>Nano Letters</i> , <b>2021</b> , 21, 2436-2443	11.5	4
9	Role of point and line defects on the electronic structure of LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interfaces. <i>APL Materials</i> , <b>2020</b> , 8, 041103	5.7	2
8	Transition-metal oxides: It takes two to waver. <i>Nature Nanotechnology</i> , <b>2014</b> , 9, 417-8	28.7	2
7	Electronic transport in submicrometric channels at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	1
6	Crossover between distinct symmetries in solid solutions of rare earth nickelates. <i>APL Materials</i> , <b>2021</b> , 9, 081119	5.7	1
5	Scanning Transmission Electron Microscopy Investigation of LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Bi-Interfaces <b>2016</b> , 992-993		
4	Structural and Compositional Effects in Epitaxially-Strained Vanadate Thin Films. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 966-967	0.5	
3	Nanosession: 2D Electron Systems - Correlation Effects and Transport 81-88		
2	Nanosession: Interplay Between Strain and Electronic Structure in Metal Oxides 377-387		
1	Nanosession: 2D Electron Systems - Electronic Structure and Field Effects 89-97		