

Jean-Marc Triscone

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45
papers

4,990
citations

21
h-index

51
g-index

51
ext. papers

5,496
ext. citations

14.9
avg, IF

5.28
L-index

#	Paper	IF	Citations
45	Near-Atomic-Scale Mapping of Electronic Phases in Rare Earth Nickelate Superlattices. <i>Nano Letters</i> , 2021 , 21, 2436-2443	11.5	4
44	Designing and controlling the properties of transition metal oxide quantum materials. <i>Nature Materials</i> , 2021 , 20, 1462-1468	27	8
43	Electronic transport in submicrometric channels at the LaAlO ₃ /SrTiO ₃ interface. <i>Physical Review B</i> , 2021 , 103,	3.3	1
42	Crossover between distinct symmetries in solid solutions of rare earth nickelates. <i>APL Materials</i> , 2021 , 9, 081119	5.7	1
41	Vibrational properties of LaNiO ₃ films in the ultrathin regime. <i>APL Materials</i> , 2020 , 8, 061102	5.7	5
40	Role of point and line defects on the electronic structure of LaAlO ₃ /SrTiO ₃ interfaces. <i>APL Materials</i> , 2020 , 8, 041103	5.7	2
39	Full Control of Polarization in Ferroelectric Thin Films Using Growth Temperature to Modulate Defects. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000852	6.4	8
38	Length scales of interfacial coupling between metal and insulator phases in oxides. <i>Nature Materials</i> , 2020 , 19, 1182-1187	27	16
37	High sensitivity variable-temperature infrared nanoscopy of conducting oxide interfaces. <i>Nature Communications</i> , 2019 , 10, 2774	17.4	10
36	Thickness-Dependent Perovskite Octahedral Distortions at Heterointerfaces. <i>Nano Letters</i> , 2019 , 19, 4188-4194	11.5	17
35	Structural and Compositional Effects in Epitaxially-Strained Vanadate Thin Films. <i>Microscopy and Microanalysis</i> , 2019 , 25, 966-967	0.5	
34	Probing Quantum Confinement and Electronic Structure at Polar Oxide Interfaces. <i>Advanced Science</i> , 2018 , 5, 1800242	13.6	5
33	Conductivity and Local Structure of LaNiO Thin Films. <i>Advanced Materials</i> , 2017 , 29, 1605197	24	36
32	Scanning Transmission Electron Microscopy Investigation of LaAlO ₃ /SrTiO ₃ Bi-Interfaces 2016 , 992-993		
31	Ground-state oxygen holes and the metal-insulator transition in the negative charge-transfer rare-earth nickelates. <i>Nature Communications</i> , 2016 , 7, 13017	17.4	130
30	Built-in voltage in thin ferroelectric PbTiO ₃ films: the effect of electrostatic boundary conditions. <i>New Journal of Physics</i> , 2016 , 18, 043030	2.9	30
29	Negative capacitance in multidomain ferroelectric superlattices. <i>Nature</i> , 2016 , 534, 524-8	50.4	205

28	Positive Effect of an Internal Depolarization Field in Ultrathin Epitaxial Ferroelectric Films. <i>Advanced Electronic Materials</i> , 2016 , 2, 1500288	6.4	36
27	Giant oscillating thermopower at oxide interfaces. <i>Nature Communications</i> , 2015 , 6, 6678	17.4	52
26	Materials physics: reactive walls. <i>Nature</i> , 2014 , 515, 348-50	50.4	4
25	Tuning of the depolarization field and nanodomain structure in ferroelectric thin films. <i>Nano Letters</i> , 2014 , 14, 4205-11	11.5	79
24	Transition-metal oxides: It takes two to waver. <i>Nature Nanotechnology</i> , 2014 , 9, 417-8	28.7	2
23	Fabricating superconducting interfaces between artificially grown LaAlO ₃ and SrTiO ₃ thin films. <i>APL Materials</i> , 2014 , 2, 012102	5.7	23
22	Exchange bias in LaNiO ₃ -LaMnO ₃ superlattices. <i>Nature Materials</i> , 2012 , 11, 195-8	27	358
21	Interface Physics in Complex Oxide Heterostructures. <i>Annual Review of Condensed Matter Physics</i> , 2011 , 2, 141-165	19.7	833
20	Spectroscopic mapping of local structural distortions in ferroelectric PbTiO ₃ /SrTiO ₃ superlattices at the unit-cell scale. <i>Physical Review B</i> , 2011 , 84,	3.3	44
19	Oxide interface superconductivity. <i>Comptes Rendus Physique</i> , 2011 , 12, 591-599	1.4	10
18	Electric-field control of the metal-insulator transition in ultrathin NdNiO ₃ films. <i>Advanced Materials</i> , 2010 , 22, 5517-20	24	227
17	Growth and characterization of (Pb,La)(Zr,Ti)O ₃ thin film epilayers on SrTiO ₃ -buffered Si(001). <i>Thin Solid Films</i> , 2010 , 518, 5471-5477	2.2	7
16	Magnetoelectric Effects in Complex Oxides with Competing Ground States. <i>Advanced Materials</i> , 2009 , 21, 3470-3474	24	361
15	Improper ferroelectricity in perovskite oxide artificial superlattices. <i>Nature</i> , 2008 , 452, 732-6	50.4	674
14	Phase transitions in ultra-thin ferroelectric films and fine period multilayers. <i>Phase Transitions</i> , 2008 , 81, 623-642	1.3	7
13	Strain Tuning of Ferroelectric Thin Films. <i>Annual Review of Materials Research</i> , 2007 , 37, 589-626	12.8	869
12	Monodomain to polydomain transition in ferroelectric PbTiO ₃ thin films with La _{0.67} Sr _{0.33} MnO ₃ electrodes. <i>Applied Physics Letters</i> , 2007 , 90, 052907	3.4	47
11	Ferroelectric Size Effects. <i>Topics in Applied Physics</i> , 2007 , 305-338	0.5	25

10	Electrostatic modification of novel materials. <i>Reviews of Modern Physics</i> , 2006 , 78, 1185-1212	40.5	421
9	Ferroelectricity and tetragonality in ultrathin PbTiO ₃ films. <i>Physical Review Letters</i> , 2005 , 94, 047603	7.4	259
8	Superlattices of high-temperature superconductors: synthetically modulated structures, critical temperatures and vortex dynamics. <i>Reports on Progress in Physics</i> , 1997 , 60, 1673-1721	14.4	67
7	Vortex motion in coupled DyBa ₂ Cu ₃ O ₇ /(Y _{0.6} Pr _{0.4})Ba ₂ Cu ₃ O ₇ heterostructures. <i>Journal of Superconductivity and Novel Magnetism</i> , 1994 , 7, 181-185		8
6	A-axis-oriented YBa ₂ Cu ₃ O ₇ /PrBa ₂ Cu ₃ O ₇ superlattices: Growth and transport properties. <i>Journal of Alloys and Compounds</i> , 1992 , 183, 224-240	5.7	7
5	Transport properties of a-axis YBa ₂ Cu ₃ O ₇ /PrBa ₂ Cu ₃ O ₇ superlattices. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 2065-2066	1.3	4
4	Nanosession: 2D Electron Systems - Correlation Effects and Transport81-88		
3	Nanosession: Interplay Between Strain and Electronic Structure in Metal Oxides377-387		
2	Nanosession: 2D Electron Systems - Electronic Structure and Field Effects89-97		
1	Ferroelectricity in Ultrathin-Film Capacitors265-230		11