

Zouhair Sefrioui

List of Publications by Year in descending order

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81
papers

2,976
citations

185998

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161609

54
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81
all docs

81
docs citations

81
times ranked

3126
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferroionic inversion of spin polarization in a spin-memristor. APL Materials, 2021, 9, .	2.2	7
2	Controlled Sign Reversal of Electroresistance in Oxide Tunnel Junctions by Electrochemical-Ferroelectric Coupling. Physical Review Letters, 2020, 125, 266802.	2.9	15
3	Ferroelectric Control of Interface Spin Filtering in Multiferroic Tunnel Junctions. Physical Review Letters, 2019, 122, 037601.	2.9	28
4	Interface Magnetism in $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3/\text{PrBa}_2\text{Cu}_3\text{O}_7$ Epitaxial Heterostructures. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800265.	0.8	0
5	Resonant electron tunnelling assisted by charged domain walls in multiferroic tunnel junctions. Nature Nanotechnology, 2017, 12, 655-662.	15.6	92
6	Modified magnetic anisotropy at $\text{LaCoO}_3/\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ interfaces. APL Materials, 2017, 5, .	2.2	12
7	High On/Off Ratio Memristive Switching of Manganite/Cuprate Bilayer by Interfacial Magnetolectricity. Advanced Materials Interfaces, 2016, 3, 1600086.	1.9	5
8	Insight into spin transport in oxide heterostructures from interface-resolved magnetic mapping. Nature Communications, 2015, 6, 6306.	5.8	34
9	Magnetic field influence on the proximity effect at $\text{YBa}_2\text{Cu}_3\text{O}_7/\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ superconductor/half-metal interfaces. Physical Review B, 2015, 92, .	1.1	11
10	Proximity Driven Commensurate Pinning in $\text{YBa}_2\text{Cu}_3\text{O}_7$ through All-Oxide Magnetic Nanostructures. Nano Letters, 2015, 15, 7526-7531.	4.5	5
11	Interfacial effects on the tunneling magnetoresistance in $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3/\text{PrBa}_2\text{Cu}_3\text{O}_7$ epitaxial heterostructures	1.1	9
12	Resistive switching in manganite/graphene hybrid planar nanostructures. Applied Physics Letters, 2014, 104, 102408.	1.5	6
13	Signatures of a Two-Dimensional Ferromagnetic Electron Gas at the $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{SrTiO}_3$ Interface Arising From Orbital Reconstruction. Advanced Materials, 2014, 26, 7516-7520.	11.1	23
14	Reversible electric-field control of magnetization at oxide interfaces. Nature Communications, 2014, 5, 4215.	5.8	59
15	INDUCED MAGNETISM AT OXIDE INTERFACES. International Journal of Modern Physics B, 2013, 27, 1330013.	1.0	9
16	Disorder-controlled superconductivity at $\text{YBa}_2\text{Cu}_3\text{O}_7$ interface	1.1	10
17	Emergent Spin Filter at the Interface between Ferromagnetic and Insulating Layered Oxides. Physical Review Letters, 2013, 111, 247203.	2.9	29
18	Thermally assisted tunneling transport in $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$	1.1	19

#	ARTICLE	IF	CITATIONS
37	Paramagnetic Meissner effect in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}/\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ superlattices. <i>Physical Review B</i> , 2006, 73, .	1.1	34
38	Strain induced phase separation in $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ ultra thin films. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 472-475.	1.9	13
39	Atomic scale characterization of complex oxide interfaces. <i>Journal of Materials Science</i> , 2006, 41, 4389-4393.	1.7	18
40	Vortex decoupling in LCMO/YBCO superlattices. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 387-390.	1.9	6
41	Effects of structural microdomains on the vortex correlation length in a-axis oriented $\text{EuBa}_2\text{Cu}_3\text{O}_7$ thin films. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 399-402.	1.9	0
42	Large Magnetoresistance at Oxide $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ and $\text{YBa}_2\text{Cu}_3\text{O}_7$ Interfaces. <i>Advances in Science and Technology</i> , 2006, 45, 2545-2553.	0.2	0
43	Spin diffusion versus proximity effect at ferromagnet/superconductor $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3/\text{YBa}_2\text{Cu}_3\text{O}_7$ interfaces. <i>Physical Review B</i> , 2006, 73, .	1.1	54
44	Tunnel magnetoresistance in $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3/\text{PrBa}_2\text{Cu}_3\text{O}_7/\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$. <i>Applied Physics Letters</i> , 2006, 88, 022512.	1.5	12
45	Large magnetoresistance in oxide based ferromagnet / superconductor spin switches. <i>Materials Research Society Symposia Proceedings</i> , 2005, 887, 1.	0.1	0
46	Suppressed magnetization in $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3/\text{YBa}_2\text{Cu}_3\text{O}_7$ superlattices. <i>Physical Review B</i> , 2005, 72, .	1.1	88
47	Vortex phases in superconducting Nb thin films with periodic pinning. <i>Physical Review B</i> , 2005, 72, .	1.1	28
48	Giant Magnetoresistance in Ferromagnet/Superconductor Superlattices. <i>Physical Review Letters</i> , 2005, 94, 057002.	2.9	187
49	Zero-magnetic-field dynamic scaling in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ thin films. <i>Physical Review B</i> , 2004, 70, .	1.1	10
50	Interface barriers for flux motion in high-temperature superconducting superlattices. <i>Physical Review B</i> , 2004, 69, .	1.1	11
51	Strain-inhomogeneity effect on magnetization and low-temperature resistivity of epitaxial $\text{Fe}(001)$ thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 268, 24-28.	1.0	2
52	Long length scale interaction between magnetism and superconductivity in $\text{La}_{0.3}\text{Ca}_{0.7}\text{MnO}_3/\text{YBa}_2\text{Cu}_3\text{O}_7$ superlattices. <i>European Physical Journal B</i> , 2004, 40, 479-482.	0.6	6
53	Coupling of superconductors through a half-metallic ferromagnet: Evidence for a long-range proximity effect. <i>Physical Review B</i> , 2004, 69, .	1.1	152
54	Nanoscale analysis of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}/\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ interfaces. <i>Solid-State Electronics</i> , 2003, 47, 2245-2248.	0.8	72

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55	Ferromagnetic/superconducting proximity effect in La _{0.7} Ca _{0.3} MnO ₃ /YBa ₂ Cu ₃ O _{7-δ} superlattices. Physical Review B, 2003, 67, .	1.1	197
56	Pair breaking by chain oxygen disorder in light-ion irradiated YBa ₂ Cu ₃ O _x thin films. Physical Review B, 2003, 68, .	1.1	6
57	Superconductivity depression in ultrathin YBa ₂ Cu ₃ O _{7-δ} layers in La _{0.7} Ca _{0.3} MnO ₃ /YBa ₂ Cu ₃ O _{7-δ} superlattices. Applied Physics Letters, 2002, 81, 4568-4570.	1.5	86
58	Effects of epitaxial strain on the growth mechanism in YBa ₂ Cu ₃ O _{7-δ} thin films in YBa ₂ Cu ₃ O _{7-δ} /PrBa ₂ Cu ₃ O ₇ superlattices. Physical Review B, 2002, 66, .	1.1	18
59	Direct correlation between T _c and CuO ₂ bilayer spacing in YBa ₂ Cu ₃ O _{7-δ} . Physical Review B, 2002, 66, .	1.1	14
60	Low Temperature Magnetic Properties of Nanocrystalline Iron. Lecture Notes in Physics, 2002, , 152-163.	0.3	2
61	High-resolution and energy-filtered transmission electron microscopy of YBa ₂ Cu ₃ O _{7-δ} /PrBa ₂ Cu ₃ O ₇ superlattices. Journal of Alloys and Compounds, 2001, 323-324, 558-561.	2.8	2
62	Effect of anisotropy on the vortex liquid dissipation in YBa ₂ Cu ₃ O _{7-δ} thin films. Journal of Alloys and Compounds, 2001, 323-324, 572-575.	2.8	6
63	Chain oxygen disorder in deoxygenated YBa ₂ Cu ₃ O _{7-δ} thin films induced by light ion irradiation. Journal of Alloys and Compounds, 2001, 323-324, 576-579.	2.8	4
64	Vortex liquid entanglement in irradiated YBa ₂ Cu ₃ O ₇ thin films. Physical Review B, 2001, 63, .	1.1	38
65	Effect of light ion irradiation on the flux dynamics of YBa ₂ /Cu ₃ O _{7-δ} thin films. IEEE Transactions on Applied Superconductivity, 2001, 11, 3928-3930.	1.1	1
66	Direct Evidence for Block-by-Block Growth in High-Temperature Superconductor Ultrathin Films. Physical Review Letters, 2001, 86, 5156-5159.	2.9	31
67	Electron-electron interaction and weak localization effects in badly metallic SrRuO ₃ . Physical Review B, 2001, 63, .	1.1	21
68	Evidence for vortex tunnel dissipation in deoxygenated YBa ₂ Cu ₃ O _{6.4} thin films. Physical Review B, 2001, 63, .	1.1	10
69	Correlation between magnetic and transport properties in nanocrystalline Fe thin films: $\epsilon_f A$ grain-boundary magnetic disorder effect. Physical Review B, 2001, 64, .	1.1	21
70	Structure Characterization of Epitaxial Strain Relaxation in YBa ₂ Cu ₃ O _{7-δ} /PrBa ₂ Cu ₃ O ₇ Superlattices. Materials Research Society Symposia Proceedings, 2000, 619, 185.	0.1	0
71	Dissipation and anisotropy in ultrathin YBa ₂ Cu ₃ O ₇ /PrBa ₂ Cu ₃ O ₇ superlattices. Materials Research Society Symposia Proceedings, 2000, 659, 1.	0.1	0
72	Effect of silver doping on the transport properties of epitaxial YBa ₂ Cu ₃ O _{7-δ} thin films. Physica C: Superconductivity and Its Applications, 2000, 341-348, 1197-1198.	0.6	1

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73	Epitaxial mismatch strain in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}/\text{PrBa}_2\text{Cu}_3\text{O}_7$ superlattices. <i>Physical Review B</i> , 2000, 62, 12509-12515.	1.1	18
74	Critical temperature depression and persistent photoconductivity in ion irradiated $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ films and $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}/\text{PrBa}_2\text{Cu}_3\text{O}_7$ superlattices. <i>Applied Physics Letters</i> , 2000, 76, 3289-3291.	1.5	13
75	Intracell Changes in Epitaxially Strained $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Ultrathin Layers in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}/\text{PrBa}_2\text{Cu}_3\text{O}_7$ Superlattices. <i>Physical Review Letters</i> , 1999, 83, 3936-3939.	2.9	71
76	Crossover from a three-dimensional to purely two-dimensional vortex-glass transition in deoxygenated $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ thin films. <i>Physical Review B</i> , 1999, 60, 15423-15429.	1.1	45
77	Disorder and damage effects in SrRuO_3 thin films. <i>Physica B: Condensed Matter</i> , 1999, 259-261, 938-939.	1.3	2
78	Size Effects on the Critical Scaling Laws in a-axis and c-axis Oriented 123 Thin Films. <i>Journal of Low Temperature Physics</i> , 1999, 117, 675-679.	0.6	2
79	Pure 2D vortex-glass phase transition with $T_g = 0$ K in deoxygenated $\text{YBa}_2\text{Cu}_3\text{O}_{6.4}$ thin films. <i>Europhysics Letters</i> , 1999, 48, 679-685.	0.7	5
80	Metal-insulator transition in SrRuO_3 induced by ion irradiation. <i>Applied Physics Letters</i> , 1998, 73, 3375-3377.	1.5	28
81	Magnetic Coupling in $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3/\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Trilayers. <i>Defect and Diffusion Forum</i> , 0, 289-292, 303-309.		