

Y Eren Suyolcu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Engineering ordered arrangements of oxygen vacancies at the surface of superconducting La ₂ CuO ₄ thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, .	0.9	9
2	<i>a</i> -axis YBa ₂ Cu ₃ O ₇ ̂ [~] / <i>x</i> /PrBa ₂ Cu ₃ O ₇ ̂ [~] / <i>x</i> /YBa ₂ Cu ₃ O ₇ ̂ [~] / <i>x</i> trilayers with subnanometer rms roughness. APL Materials, 2021, 9, .	2.2	6
3	Control of the metal-insulator transition in NdNiO ₃ thin films through the interplay between structural and electronic properties. Physical Review Materials, 2021, 5, .	0.9	6
4	Optical conductivity and superconductivity in highly overdoped La ₂ CaCuO ₄ thin films. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	9
5	Interplay between structural and electronic properties with the metal-insulator transition in NdNiO ₃ thin films. Microscopy and Microanalysis, 2021, 27, 144-145.	0.2	0
6	How sharp are atomically sharp high-T _c La ₂ CuO ₄ interfaces?. Microscopy and Microanalysis, 2021, 27, 700-701.	0.2	0
7	Grain boundary blocking effects in Sm/Yb-doped AlN ceramics. Journal of the European Ceramic Society, 2021, 41, 4870-4875.	2.8	18
8	Atomic-Scale Tuning of the Charge Distribution by Strain Engineering in Oxide Heterostructures. ACS Nano, 2021, 15, 16228-16235.	7.3	8
9	Negatively Charged In-Plane and Out-Of-Plane Domain Walls with Oxygen-Vacancy Agglomerations in a Ca-Doped Bismuth-Ferrite Thin Film. ACS Applied Electronic Materials, 2021, 3, 4498-4508.	2.0	4
10	A comparative study on GaSb epilayers grown on nominal and vicinal Si(100) substrates by molecular beam epitaxy. Semiconductor Science and Technology, 2021, 36, 025011.	1.0	6
11	Topotactic transformation of single crystals: From perovskite to infinite-layer nickelates. Science Advances, 2021, 7, eabl8091.	4.7	32
12	Design of Complex Oxide Interfaces by Oxide Molecular Beam Epitaxy. Journal of Superconductivity and Novel Magnetism, 2020, 33, 107-120.	0.8	25
13	Atomic-scale Identification of High-temperature Superconductivity at La ₂ CuO ₄ Interfaces. Microscopy and Microanalysis, 2020, 26, 738-739.	0.2	0
14	Atomic-scale Considerations on LaNiO ₃ -La ₂ CuO ₄ Heterostructures: Interface thermoelectricity Relationship. Microscopy and Microanalysis, 2020, 26, 2626-2627.	0.2	0
15	Tuning the resistive switching in tantalum oxide-based memristors by annealing. AIP Advances, 2020, 10, .	0.6	4
16	Inhomogeneous ferromagnetism mimics signatures of the topological Hall effect in SrRuO ₃ thin films. Physical Review Materials, 2020, 4, .	0.9	26
17	Precise control of atoms with MBE: from semiconductors to complex oxides. Europhysics News, 2020, 51, 21-23.	0.1	1
18	Tunable perpendicular exchange bias in oxide heterostructures. Physical Review Materials, 2019, 3, .	0.9	15

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19	Electronic and vibrational signatures of ruthenium vacancies in SrTiO_3 thin films. <i>Physical Review Materials</i> , 2019, 3, .	2.9	8
20	Performance evaluation of InAs/GaSb superlattice photodetector grown on GaAs substrate using AlSb interfacial misfit array. <i>Semiconductor Science and Technology</i> , 2018, 33, 035002.	1.0	10
21	High-temperature superconductivity at the lanthanum cuprate/lanthanum strontium nickelate interface. <i>Nanoscale</i> , 2018, 10, 8712-8720.	2.8	12
22	Correcting the linear and nonlinear distortions for atomically resolved STEM spectrum and diffraction imaging. <i>Microscopy (Oxford, England)</i> , 2018, 67, i114-i122.	0.7	26
23	High-Temperature Thermoelectricity in LaNiO_3 - La_2CuO_4 Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22786-22792.	4.0	12
24	Complex magnetic order in nickelate slabs. <i>Nature Physics</i> , 2018, 14, 1097-1102.	6.5	37
25	Probing Jahn-Teller Distortions at Superconducting La_2CuO_4 Interfaces. <i>Microscopy and Microanalysis</i> , 2018, 24, 78-79.	0.2	1
26	Influence of Substrate Temperature and Dopant Distribution at Two-Dimensionally Doped Superconducting La_2CuO_4 Interfaces. <i>Microscopy and Microanalysis</i> , 2017, 23, 1570-1571.	0.2	0
27	Dopant size effects on novel functionalities: High-temperature interfacial superconductivity. <i>Scientific Reports</i> , 2017, 7, 453.	1.6	28
28	Influence of the growth conditions on the optical and structural properties of self-assembled InAs/GaAs quantum dots for low As/In ratio. <i>Applied Surface Science</i> , 2017, 392, 817-825.	3.1	9
29	Octahedral Distortions at High-Temperature Superconducting La_2CuO_4 Interfaces: Visualizing Jahn-Teller Effects. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700737.	1.9	15
30	Oxygen Octahedral Picker: A Digital Micrograph Script Tool for Extracting Quantitative Information From HAADF and ABF Images. <i>Microscopy and Microanalysis</i> , 2016, 22, 930-931.	0.2	0
31	Linking Dopant Distribution and Interatomic Distortions at $\text{La}_{1.6}\text{Mo}_4\text{CuO}_{14}/\text{La}_2\text{CuO}_4$ Superconducting Interfaces. <i>Microscopy and Microanalysis</i> , 2016, 22, 308-309.	0.2	3
32	Cationic Redistribution at Epitaxial Interfaces in Superconducting Two-Dimensionally Doped Lanthanum Cuprate Films. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27368-27375.	4.0	19
33	Oxygen octahedra picker: A software tool to extract quantitative information from STEM images. <i>Ultramicroscopy</i> , 2016, 168, 46-52.	0.8	55
34	On the structural characterization of InAs/GaSb type-II superlattices: The effect of interfaces for fixed layer thicknesses. <i>Thin Solid Films</i> , 2013, 548, 288-291.	0.8	8