

Masashi Miura

List of Publications by Year in descending order

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33
papers

755
citations

759233

12
h-index

552781

26
g-index

33
all docs

33
docs citations

33
times ranked

670
citing authors

#	ARTICLE	IF	CITATIONS
1	A Superconducting Praseodymium Nickelate with Infinite Layer Structure. Nano Letters, 2020, 20, 5735-5740.	9.1	172
2	Strongly enhanced flux pinning in one-step deposition of BaFe ₂ (As _{0.66} P _{0.33}) ₂ superconductor films with uniformly dispersed BaZrO ₃ nanoparticles. Nature Communications, 2013, 4, 2499.	12.8	83
3	Tuning nanoparticle size for enhanced functionality in perovskite thin films deposited by metal organic deposition. NPG Asia Materials, 2017, 9, e447-e447.	7.9	57
4	Enhancement of Flux Pinning in Y _{1-x} Sm _x Ba _{1.5} Cu ₃ O _y Coated Conductors with Nanoparticles. Applied Physics Express, 0, 1, 051701.	2.4	54
5	High-Critical-Current-Density SmBa ₂ Cu ₃ O _{7-x} Films Induced by Surface Nanoparticle. Japanese Journal of Applied Physics, 2005, 44, L546-L548.	1.5	51
6	Rare Earth Substitution Effects and Magnetic Field Dependence of Critical Current in Y _{1-x} RE _x Ba ₂ Cu ₃ O _y Coated Conductors with Nanoparticles (RE=Sm, Gd). Applied Physics Express, 0, 2, 023002.	2.4	48
7	Enhancement of Flux-Pinning in Epitaxial Sm _{1-x} Ba _{2-x} Cu ₃ O _y Films by Introduction of Low-Tc Nanoparticles. Japanese Journal of Applied Physics, 2006, 45, L11-L13.	1.5	46
8	Upward shift of the vortex solid phase in high-temperature-superconducting wires through high density nanoparticle addition. Scientific Reports, 2016, 6, 20436.	3.3	32
9	Dislocation Density and Critical Current Density of Sm _{1-x} Ba _{2-x} Cu ₃ O _y Films Prepared by Various Fabrication Processes. Japanese Journal of Applied Physics, 2006, 45, L701-L704.	1.5	30
10	c-axis correlated pinning behavior near the irreversibility fields. Applied Physics Letters, 2007, 90, 122501.	3.3	26
11	Anisotropy and Superconducting Properties of BaFe ₂ (As _{1-x} P _x) ₂ Films with Various Phosphorus Contents. Applied Physics Express, 2013, 6, 093101.	2.4	23
12	Flux pinning properties of TFA-MOD (Y,Gd)Ba ₂ Cu ₃ O _x tapes with BaZrO ₃ nanoparticles. Superconductor Science and Technology, 2010, 23, 014006.	3.5	20
13	In-plane alignment and superconducting properties in high-J _c Sm _{1-x} Ba _{2-x} Cu ₃ O _{6+δ} thin films. Physica C: Superconductivity and Its Applications, 2005, 426-431, 985-989.	1.2	14
14	Magnetic Field Dependence of Critical Current Density and Microstructure in $\text{Sm}_{1-x}\text{Ba}_x\text{Ba}_{2-x}\text{Cu}_3\text{O}_y$ Films on Metallic Substrates. IEEE Transactions on Applied Superconductivity, 2007, 17, 3247-3250.	1.7	13
15	Addition of low-T _c nanoparticles dispersions to enhance flux pinning of Sm _{1-x} Ba _{2-x} Cu ₃ O _y films. Physica C: Superconductivity and Its Applications, 2006, 445-448, 643-647.	1.2	12
16	Magnetic Field Dependence of Critical Current and Microstructure in TFA-MOD $\text{Sm}_x\text{Y}_{1-x}\text{Sm}_{1-x}\text{Ba}_x\text{Ba}_{2-x}\text{Cu}_3\text{O}_y$ With Nanoparticles for Coated Conductors. IEEE Transactions on Applied Superconductivity, 2009, 19, 3275-3278.	1.7	12
17	Hetero-Epitaxial Growth of CeO ₂ Films on MgO Substrates. Japanese Journal of Applied Physics, 2005, 44, L318-L321.	1.5	9
18	Enhanced critical current density in BaFe ₂ (As _{0.66} P _{0.33}) ₂ nanocomposite superconducting films. Superconductor Science and Technology, 2019, 32, 064005.	3.5	7

#	ARTICLE	IF	CITATIONS
19	Dynamics and Critical Currents in Fast Superconducting Vortices at High pulsed Magnetic Fields. <i>Physical Review Applied</i> , 2019, 11, .	3.8	7
20	Effect of <i>c</i> -Axis-Correlated Disorders on the Vortex Diagram of the Pinning State. <i>Applied Physics Express</i> , 0, 1, 031703.	2.4	5
21	Trifluoroacetate metal organic deposition derived (Y _{0.77} Gd _{0.23})Ba ₂ Cu ₃ O _y films on CeO ₂ buffered <i>R</i> -plane Al ₂ O ₃ substrates. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 033102.	1.5	5
22	Comparative study of carrier concentration and reciprocal space mapping in SmBa ₂ Cu ₃ O _y thin films with high critical current density. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 445-448, 689-693.	1.2	4
23	Enhanced Critical Current under a Magnetic Field in Sm _{1-x} Ba _{2-x} Cu ₃ O _y Thick Films Prepared Using Low-temperature Growth Technique. <i>Japanese Journal of Applied Physics</i> , 2007, 46, L807-L809.	1.5	4
24	Transmission electron microscopy study of a Y _{1-x} Sm _x Ba ₂ Cu ₃ O _y -coated conductor containing BaZrO ₃ particles. <i>Journal of Electron Microscopy</i> , 2010, 59, S101-S105.	0.9	4
25	Accelerated vortex dynamics across the magnetic 3D-to-2D crossover in disordered superconductors. <i>Npj Quantum Materials</i> , 2018, 3, .	5.2	4
26	Longitudinal Magnetic Field Effects on (Y,Gd)Ba ₂ Cu ₃ O _{7-δ} Coated Conductor With BaHfO ₃ Nanoparticles Fabricated by UTOC-MOD Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2019, 29, 1-5.	1.7	4
27	Irreversibility Field and <i>c</i> -Axis Correlated Pinning in High- J_c SmBCO Films. <i>IEEE Transactions on Applied Superconductivity</i> , 2007, 17, 3656-3659.	1.7	2
28	High Performance Coated Conductors Fabricated by UTOC-MOD Process. <i>IEEE Transactions on Applied Superconductivity</i> , 2019, 29, 1-5.	1.7	2
29	Enhancement of the in-field critical current density of trifluoroacetate metal organic deposition derived (Y _{0.77} Gd _{0.23})Ba ₂ Cu ₃ O _y films by annealing of CeO ₂ buffered <i>R</i> -Al ₂ O ₃ substrates. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 053001.	1.5	2
30	Use of Reel-to-Reel System to Increase Deposition Rate and Enhance <i>c</i> -Axis Correlated Pinning in PLD-GdBa ₂ Cu ₃ O _y Coated Conductors. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , 2008, 43, 150-157.	0.1	1
31	Designing high-performance superconductors with nanoparticle inclusions: Comparisons to strong pinning theory. <i>APL Materials</i> , 2021, 9, .	5.1	1
32	Enhanced In-field Properties in BaFe ₂ (As _{1-x} P _x) ₂ Thin Films with BaZrO ₃ Nanoparticles. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity)</i> Tj ETQq0 00rgBT /Overlock 10	0.1	1
33	Influence of nanoparticles on critical current properties in TFA-MOD processed YGdBCO coated conductor. <i>Journal of Physics: Conference Series</i> , 2010, 234, 022018.	0.4	0