

# Masashi Miura

## List of Publications by Year in descending order

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33  
papers

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759233

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552781

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Designing high-performance superconductors with nanoparticle inclusions: Comparisons to strong pinning theory. <i>APL Materials</i> , 2021, 9, .	5.1	1
2	A Superconducting Praseodymium Nickelate with Infinite Layer Structure. <i>Nano Letters</i> , 2020, 20, 5735-5740.	9.1	172
3	High Performance Coated Conductors Fabricated by UTOC-MOD Process. <i>IEEE Transactions on Applied Superconductivity</i> , 2019, 29, 1-5.	1.7	2
4	Enhanced critical current density in BaFe <sub>2</sub> (As <sub>0.66</sub> P <sub>0.33</sub> ) <sub>2</sub> nanocomposite superconducting films. <i>Superconductor Science and Technology</i> , 2019, 32, 064005.	3.5	7
5	Longitudinal Magnetic Field Effects on (Y,Gd)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> Coated Conductor With BaHfO <sub>3</sub> Nanoparticles Fabricated by UTOC-MOD Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2019, 29, 1-5.	1.7	4
6	Enhancement of the in-field critical current density of trifluoroacetate metal organic deposition derived (Y <sub>0.77</sub> Gd <sub>0.23</sub> )Ba <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> films by annealing of CeO <sub>2</sub> buffered <i>R</i> -Al <sub>2</sub> O <sub>3</sub> substrates. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 053001.	1.5	2
7	Dynamics and Critical Currents in Fast Superconducting Vortices at High pulsed Magnetic Fields. <i>Physical Review Applied</i> , 2019, 11, .	3.8	7
8	Trifluoroacetate metal organic deposition derived (Y <sub>0.77</sub> Gd <sub>0.23</sub> )Ba <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> films on CeO <sub>2</sub> buffered <i>R</i> -plane Al <sub>2</sub> O <sub>3</sub> substrates. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 033102.	1.5	5
9	Accelerated vortex dynamics across the magnetic 3D-to-2D crossover in disordered superconductors. <i>Npj Quantum Materials</i> , 2018, 3, .	5.2	4
10	Tuning nanoparticle size for enhanced functionality in perovskite thin films deposited by metal organic deposition. <i>NPG Asia Materials</i> , 2017, 9, e447-e447.	7.9	57
11	Enhanced In-field Properties in BaFe <sub>2</sub> (As <sub>1-x</sub> )P <sub>x</sub> Thin Films with BaZrO <sub>3</sub> Nanoparticles. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity) Tj ETQq1 1 0.784314 rgBT /Cve</i>	0.1	1
12	Upward shift of the vortex solid phase in high-temperature-superconducting wires through high density nanoparticle addition. <i>Scientific Reports</i> , 2016, 6, 20436.	3.3	32
13	Strongly enhanced flux pinning in one-step deposition of BaFe <sub>2</sub> (As <sub>0.66</sub> P <sub>0.33</sub> ) <sub>2</sub> superconductor films with uniformly dispersed BaZrO <sub>3</sub> nanoparticles. <i>Nature Communications</i> , 2013, 4, 2499.	12.8	83
14	Anisotropy and Superconducting Properties of BaFe <sub>2</sub> (As <sub>1-x</sub> )P <sub>x</sub> Films with Various Phosphorus Contents. <i>Applied Physics Express</i> , 2013, 6, 093101.	2.4	23
15	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
16	Flux pinning properties of TFA-MOD (Y,Gd)Ba <sub>2</sub> Cu <sub>3</sub> Ox tapes with BaZrO <sub>3</sub> nanoparticles. <i>Superconductor Science and Technology</i> , 2010, 23, 014006.	3.5	20
17	Transmission electron microscopy study of a Y <sub>1-x</sub> Sm <sub>x</sub> Ba <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> -coated conductor containing BaZrO <sub>3</sub> particles. <i>Journal of Electron Microscopy</i> , 2010, 59, S101-S105.	0.9	4
18	Magnetic Field Dependence of Critical Current and Microstructure in TFA-MOD $Y_{1-x}Sm_xBa_2Cu_3O_y$ With Nanoparticles for Coated Conductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2009, 19, 3275-3278.	1.7	12

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19	Use of Reel-to-Reel System to Increase Deposition Rate and Enhance $\text{PLD-GdBa}_2\text{Cu}_3\text{O}_{1-y}$ Coated Conductors. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2008, 43, 150-157.	0.1	1
20	Enhanced Critical Current under a Magnetic Field in $\text{Sm}_{1-x}\text{Ba}_2\text{Cu}_3\text{O}_y$ Thick Films Prepared Using Low-temperature Growth Technique. Japanese Journal of Applied Physics, 2007, 46, L807-L809.	1.5	4
21	c-axis correlated pinning behavior near the irreversibility fields. Applied Physics Letters, 2007, 90, 122501.	3.3	26
22	Magnetic Field Dependence of Critical Current Density and Microstructure in $\text{Sm}_{1-x}\text{Ba}_{2-x}\text{Cu}_3\text{O}_y$ Films on Metallic Substrates. IEEE Transactions on Applied Superconductivity, 2007, 17, 3247-3250.	1.7	13
23	Irreversibility Field and c-Axis Correlated Pinning in High- $J_c$ $\text{SmBCO}$ Films. IEEE Transactions on Applied Superconductivity, 2007, 17, 3656-3659.	1.7	2
24	Addition of low- $T_c$ nanoparticles dispersions to enhance flux pinning of $\text{Sm}_{1-x}\text{Ba}_{2-x}\text{Cu}_3\text{O}_y$ films. Physica C: Superconductivity and Its Applications, 2006, 445-448, 643-647.	1.2	12
25	Comparative study of carrier concentration and reciprocal space mapping in $\text{SmBa}_2\text{Cu}_3\text{O}_y$ thin films with high critical current density. Physica C: Superconductivity and Its Applications, 2006, 445-448, 689-693.	1.2	4
26	Enhancement of Flux-Pinning in Epitaxial $\text{Sm}_{1-x}\text{Ba}_2\text{Cu}_3\text{O}_y$ Films by Introduction of Low- $T_c$ Nanoparticles. Japanese Journal of Applied Physics, 2006, 45, L11-L13.	1.5	46
27	Dislocation Density and Critical Current Density of $\text{Sm}_{1-x}\text{Ba}_2\text{Cu}_3\text{O}_y$ Films Prepared by Various Fabrication Processes. Japanese Journal of Applied Physics, 2006, 45, L701-L704.	1.5	30
28	In-plane alignment and superconducting properties in high- $J_c$ $\text{Sm}_{1-x}\text{Ba}_{2-x}\text{Cu}_3\text{O}_{6+\delta}$ thin films. Physica C: Superconductivity and Its Applications, 2005, 426-431, 985-989.	1.2	14
29	High-Critical-Current-Density $\text{SmBa}_2\text{Cu}_3\text{O}_7-x$ Films Induced by Surface Nanoparticle. Japanese Journal of Applied Physics, 2005, 44, L546-L548.	1.5	51
30	Hetero-Epitaxial Growth of $\text{CeO}_2$ Films on $\text{MgO}$ Substrates. Japanese Journal of Applied Physics, 2005, 44, L318-L321.	1.5	9
31	Enhancement of Flux Pinning in $\text{Y}_{1-x}\text{Sm}_x\text{Ba}_{1.5}\text{Cu}_3\text{O}_y$ Coated Conductors with Nanoparticles. Applied Physics Express, 0, 1, 051701.		54
32	Effect of c-Axis-Correlated Disorders on the Vortex Diagram of the Pinning State. Applied Physics Express, 0, 1, 031703.	2.4	5
33	Rare Earth Substitution Effects and Magnetic Field Dependence of Critical Current in $\text{Y}_{1-x}\text{RE}_x\text{Ba}_2\text{Cu}_3\text{O}_y$ Coated Conductors with Nanoparticles (RE=Sm, Gd). Applied Physics Express, 0, 2, 023002.	2.4	48