

# Flux Pinning And AC Loss Studies On YBCO Coated Conductors

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**Superconductor with Improved Flux Pinning and -**

Superconductor with Improved Flux Pinning and Reduced AC Losses flux pinning and reduced AC losses Modulates the level of AC loss reduction, flux pinning,

[http://www.ornl.gov/File%20Library/Main%20Nav/ORNL/Partnerships/Available%20Technologies/ID-200701895\\_FS.pdf](http://www.ornl.gov/File%20Library/Main%20Nav/ORNL/Partnerships/Available%20Technologies/ID-200701895_FS.pdf)

**Flux Pinning and AC Loss Studies on Ybco Coated -**

Flux Pinning and AC Loss Studies on Ybco Coated Conductors by M P Paranthaman starting at \$223.36. Flux Pinning and AC Loss Studies on Ybco Coated Conductors has 1

<http://www.alibris.com/Flux-Pinning-and-AC-Loss-Studies-on-Ybco-Coated-Conductors-M-P-Paranthaman/book/10571670>

**AC loss part I - KIT -**

Outline of Part I: 1. What is AC loss 2. Dissipation mechanisms: Resistive Eddy currents Flux pinning Coupling currents 3. Possibilities for AC loss reduction

<http://www.itep.kit.edu/hts4fusion2011/downloads/2A2.pdf>

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<http://www.chegg.com/homework-help/homework-help/flux-pinning-and-ac-loss-studies-on-ybco-coated-conductors-solutions-14732>

**5.1 EXAMINATION OF THE IRRADIATED SUPERCONDUCTING** -  
superconducting properties of several YBCO HTS materials  
that utilize different flux pinning strategies  
generation of YBCO coated conductors that for studies  
[http://web.ornl.gov/sci/physical\\_sciences\\_directorate/ms  
t/fusionreactor/pdf/Vol.52/5.1%20Leonard.pdf](http://web.ornl.gov/sci/physical_sciences_directorate/ms<br/>t/fusionreactor/pdf/Vol.52/5.1%20Leonard.pdf)

**Recent Progress in Thickness Related Studies to** -  
Recent Progress in Thickness Related Studies to Enhance  
Ic in ex situ YBCO Coated Conductors the microstructure  
and flux pinning,  
<http://www.ornl.gov/~webworks/cppr/y2001/pres/120003.pdf>

**Flux Pinning and AC loss Studies on YBCO Coated** -  
Table of Contents: Preface Section I - Introduction  
Chapter 1 - Flux Pinning and AC Loss in Second  
Generation High Temperature Superconductor Wires; pp.  
3-10  
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products\\_id=5675](https://www.novapublishers.com/catalog/product_info.php?<br/>products_id=5675)

**Flux pinning characteristics of YBCO coated** -  
Flux pinning properties of PLD-processed YBCO coated  
conductors deposited on Research Laboratory, 2-4-1 of  
pinning interactions among pinning centers along  
[http://www.sciencedirect.com/science/article/pii/S092145  
340500417X](http://www.sciencedirect.com/science/article/pii/S092145<br/>340500417X)

**Improving YBCO Coated Conductors for Applications** -  
ADA560803. Title : Improving YBCO Coated Conductors for  
Applications (Postprint) Descriptive Note : Conference  
paper. Corporate Author : AIR FORCE RESEARCH LAB WRIGHT  
[http://oai.dtic.mil/oai/oai?verb=getRecord&metadataPrefi  
x=html&identifier=ADA560803](http://oai.dtic.mil/oai/oai?verb=getRecord&metadataPrefi<br/>x=html&identifier=ADA560803)

**Critical current density and flux pinning in** -  
It is found that silver enhances flux pinning in the in  
silver/superconductor composites and AC field dependence  
of the loss peaks in the  
<http://www.sciencedirect.com/science/article/pii/0921453>

[49192183C](#)

**Modeling and Electrical Measurement of Transport -**

Index Terms AC loss, coated conductors, Duckworth, AC losses in RABiTS-based conductors, in Flux Pinning and AC Loss Studies on YBCO Coated Conductors

[http://www.academia.edu/347514/Modeling and Electrical Measurement of Transport AC Loss in HTS-based Superconducting Coils for Electric Machines](http://www.academia.edu/347514/Modeling_and_Electrical_Measurement_of_Transport_AC_Loss_in-HTS-based_Superconducting_Coils_for_Electric_Machines)

**Power and Thermal Technologies for Air and -**

to fully characterize AC loss issues, flux pinning  
0012: High-Temperature Superconductor Performance AC losses in YBCO coated conductors 3)

<http://oai.dtic.mil/oai/oai?verb=getRecord&metadataPrefix=html&identifier=ADA530712>

**New Research on YBCO Superconductors -**

Flux Pinning and AC loss Studies on YBCO Coated and YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> (Tc Chapter 8 - EMBEDDING NANOPARTICLES AS FLUX PINNING SITES INTO MELT-TEXTURED YBCO

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**Flux- Pinning Centers In Metal-Organic Deposited -**

Flux-Pinning Centers In Metal-Organic Deposited YBCO Coated Conductors: New Zealand), AC(Industrial Research artificial flux-pinning centers in metal

<http://adsabs.harvard.edu/abs/2009AIPC.1151...82S>

**Flux Pinning in Superconductors: Amazon.it: Teruo -**  
Flux Pinning in Superconductors: Amazon.it: Teruo  
Matsushita: Irreversible magnetization and AC loss  
caused by the flux pinning are also discussed.

<http://www.amazon.it/Flux-Pinning-Superconductors-Teruo-Matsushita/dp/3642079458>

**Strongly enhanced flux pinning in one-step -**

flux pinning has been also one of the most important  
Maiorov B. & Civale L. in Flux Pinning and AC Loss  
Studies on YBCO Coated Conductors. eds

<http://europepmc.org/articles/PMC3791461>

**Advanced YBCO- Coated Conductors for Use on Air -**

These areas include magnetic flux pinning in YBCO thin  
films, " AC LOSS " schema:about: http " Advanced YBCO-  
Coated Conductors for Use on Air Platforms

<http://www.worldcat.org/title/advanced-ybco-coated-conductors-for-use-on-air-platforms-postprint/oclc/318682852>

**Enhanced flux pinning in MOCVD- YBCO films through -**

Paranthaman M P and Selvamanickam V 2007 Flux Pinning  
and AC Loss Studies on YBCO Christen D K and Paranthaman  
M 2006 Epitaxial coatings for coated conductors

<http://iopscience.iop.org/0953-2048/23/1/014005/refs>

**AC Losses and Flux Pinning and Formation of -**

AC Losses and Flux Pinning and Formation of Stripe Phase  
by A V Narlikar, Anant Narlikar (Editor) starting at  
\$182.95. AC Losses and Flux Pinning and Formation of

<http://www.alibris.com/AC-Losses-and-Flux-Pinning-and-Formation-of-Stripe-Phase-A-V-Narlikar/book/88320>

**Applied Superconductivity and Cryoscience Group - -**

Members of ASCG have been involved with YBCO research  
since and flux pinning in Y-Ba of multifilamentary YBCO  
for low AC loss coated conductors

<http://www.msm.cam.ac.uk/ascg/materials/ybco.php>

**Flux pinning and AC loss studies on YBCO coated** -  
Get this from a library! Flux pinning and AC loss studies on YBCO coated conductors. [M P Paranthaman; Venkat Selvamanickam;]

<http://www.worldcat.org/title/flux-pinning-and-ac-loss-studies-on-ybco-coated-conductors/oclc/104887735>

**Report on EOARD Contract No F61775-01-WE92 31Oct** -  
Extension to AC Loss Minimisation in High Temperature Superconductors AC loss measurements of YBCO coated conductors on AC Losses and Flux Pinning

<http://www.dtic.mil/cgi-bin/GetTRDoc?AD=ADA405431>

**Flux Pinning in Superconductors | Teruo** -

The book covers the flux pinning Irreversible magnetization and AC loss caused by the flux pinning reversible flux motion inside pinning

<http://www.springer.com/us/book/9783642453113>

**Chemical Solution Deposition Based Oxide Buffers** -  
Chemical Solution Deposition Based Oxide Buffers and YBCO Coated Conductors to increase the flux pinning properties of YBCO superconductor and to

<http://www.intechopen.com/download/pdf/16191>