

Materials List for:

An Available Technique for Preparation of New Cast MnCuNiFeZnAl Alloy with Superior Damping Capacity and High Service Temperature

Dong Li^{1,3}, Wenbo Liu^{1,2}, Ning Li¹, Zhenyu Zhong¹, Jiazhen Yan¹, Sanqiang Shi²

¹School of Manufacturing Science and Engineering, Sichuan University

²Department of Mechanical Engineering, Hong Kong Polytechnic University

³Department of Mechanical and Electrical Engineering, Chengdu Aeronautic Polytechnic

Correspondence to: Wenbo Liu at liuwenbo_8338@163.com

URL: <https://www.jove.com/video/57180>

DOI: [doi:10.3791/57180](https://doi.org/10.3791/57180)

Materials

Name	Company	Catalog Number	Comments
manganese	Daye Nonferrous Metals Group Holdings Co., Ltd.	DJMnB	produced by electrolysis
copper	Daye Nonferrous Metals Group Holdings Co., Ltd.	Cu-CATH-2	produced by electrolysis
Nickel	Daye Nonferrous Metals Group Holdings Co., Ltd.	Ni99.99	produced by electrolysis
Iron	Ningbo Jiasheng Metal Materials Co., Ltd.	YT01	industrial pure Fe
Zinc	Daye Nonferrous Metals Group Holdings Co., Ltd.	0#	produced by electrolysis
Aluminum	Daye Nonferrous Metals Group Holdings Co., Ltd.	Al99.90	produced by electrolysis