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Tuning Disorder and Heterogeneity of Metallic Glasses Jurgen Eckert

Atomic cooperativity and deformation in metallic glasses Takeshi Egami

Development of Super Plastic Bulk Metallic Glasses via Tailoring of Icosahedral Ordering Eun Soo Park

Using TEM to link structure with shear band evolution in metallic glasses Christoph Gammer

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Advanced Analytical Electron Microscopy for Amorphous and Nanostructured systems Demie Kepaptsoglou

Correlative fast differential scanning calorimetry on metallic glasses Jörg F. Löffler

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Vitrification of metallic liquids – uncovering the structural pathway to metallic glasses Kostas Georgarakis

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Medium and High Entropy Multicomponent Alloys - a wide variety of structures, properties and processing routes

Dariusz Oleszak

Magnetooptical observations of cylindrical magnetic microwires with Matteucci effect Kornel Richter

Surface modification of biocompatible Ti-based amorphous alloys by dealloying to improve implant cytocompatibility

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Fabrication of multicomponent nanoporous metallic materials by vapor phase dealloying Oleksandr Roik

Large-angle Lorentz 4-Dimensional Scanning Transmission Electron Microscopy for Simultaneous Local Magnetization, Strain and Structure Mapping Sangjun Kang

Impact of elevated temperature on soft magnetic properties of rapidly annealed nanocrystalline high- B_s Fe-Co-B-Cu alloys Ivan Škorvánek

Tuning the Degree of Rejuvenation in Metallic Glasses Daniel Şopu

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Capturing Ultrafast Melting in Palladium Jerzy Antonowicz

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Ashwani Chaudhary

Electronic structure of high-entropy alloys: prospects and challenges Emil Babic

Structure, anticorrosion and mechanical properties of CoCrFeNiMs (Ms=Nb,Mo,B,Si) high entropy alloys prepared by rapid solidification method Rafal Babilas

Phase transformation and mechanical properties of silicide-strengthened (TiZrHfNb) $_{100-x}$ Si $_x$ (x=0, 1, 5, 7, 10 and 15) high entropy alloys Binbin Liu

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Devinder Singh

A DFT study on the effect of vacancies on the formation of deformation twins in Cu alloys Eun-Ae Choi

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Fictive temperature-based annealing effects on metallic glasses with different initial structure Myeong Jun Lee

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Effect of Nanoimprint-Induced Structural Heterogeneity on the Oxidation Behavior of Zr-Based Metallic Glasses

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Atomic Disorder in Laser Beam-Shape-Tailored 3D-Printed Zr-Based Bulk Metallic Glass Under In-Situ Heating During High-Energy X-Ray Diffraction Sepide Hadibeik

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Creep and Cyclic Tensile Behaviors and Structural Evolution Mechanisms of Metallic Glasses ShuYi Liang

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W-based metallic glasses for nuclear fusion applications Martin E. Stiehler Heterogeneous lamella structure induced precipitation-hardened Fe-rich complex concentrated alloys Vikas Shivam

Characterization of different carbide distributions for a Cr-Co-Ni alloy Witor Wolf

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Interfacial strain concentration and relaxation along crystalline-amorphous boundaries of B2-reinforced bulk-metallic-glass-composites during loading Xiaoling Fu

Dual-phase nanocomposite coatings based on crystalline ZrN and glassy ZrCu Petr Zeman

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Poster Contributions

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Significant Enhancement of Yield Strength in Ti80Cr20-x(CoFeNi)x Alloys Through Phase Stability Modulation and Ultrafine Eutectic Structure Muhammad Aoun Abbas

Bulk metallic glasses surface modification by low-temperature plasma nitriding and oxidation Piotr Błyskun

Long-term magnetic stability of nanocrystalline FeCuBPSi alloys Beata Butvinová

Experimental and thermal study of SAC305-xGa solder alloys Patrícia Danišovičová

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Effect of MoO2 Powder Packing Density on Sintering Kinetics and Grain Growth Haguk Jeong

Maximum achievable N content in amorphous nitrides Jiri Houska

Carbon formation characteristics of IPA decomposed on the nickel impregnated SBA-15 Hung-Lung Chiang

Variations in the Motion of Magnetic Particles in a Thin Film under Magnetic Fields Hyo-Soo Lee

Mechanically Alloying Synthesized Nanostructured Electrodes and Electrolytes for Advanced Batteries Ying Ian Chen

Enhanced Antibacterial Activity of Surface-Modified Zr₅₀Cu₅₀ Metallic Glass Ka Ram Lim

Nanocrystalline and amorphous $Al_{40}Mg_{40}Ti_{20}$ and $Al_{40}Mg_{20}Ti_{40}$ alloys Marek Krasnowski

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Nanostructured amorphous arsenoselenides Zdenka Lukáčová Bujňáková

Analysis of growth of intermetallic layers (Cu_3Sn , Cu_6Sn_5) at Sn-solder/Cu substrate interface Tereza Machajdíková

Comparison of the tribological and anticorrosion properties of multi-principal element alloys: CoNiMo, CoCrNiMo, CoCrCu0.1NiMo Katarzyna Młynarek-Zak

Fe(Co)-B-Sn Metallic Glasses Characterized by Mössbauer Spectrometry and AFM/MFM Marcel Miglierini

Soft Explosive Crystallization and Viscous Flow in $Fe_{83}B_{17}$ Amorphous Alloy: Glass Transition Temperature Insights

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Investigation of helium ion irradiation response with Zr-based metallic glasses with different glassy structure Myeong Jun Lee

Nb-Zr-Pt-Ti high entropy alloy superconducting bulk: synthesis and structure-property correlation Nitin Srivastava

Synthesis of amorphous Co-based multi-component thin film by magnetron sputtering Yulia Nykyruy

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Structure-Property Relationships in Cu-Zr-Al Alloy: Influence of Crystalline Precipitates on Mechanical Performance
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Oxide nanostructure cathodes and engineered anodes for rechargeable Zn-ion/air batteries Ranjit Bauri

Tetragonal-to-Cubic Phase Transition in Gd-doped BaTiO₃ Nanorods: Diamagnetic-to-Ferromagnetic Shift and Enhanced Photocatalytic Properties Sandeep Kumar Singh Patel

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Achieving excellent tensile plasticity in amorphous microwires through ion-induced nonlinear gradient rejuvenation Shuang Su

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Low temperature plasma assisted fabrication of multi-metallic nanomaterials for electrodes of energy storage systems

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Development of Fe-rich complex concentrated alloys (CCAs) for high-temperature applications Vikas Shivam

Hybrid solder joints: characterization of the core/shell Fe/oxide nanosized particles Andriy Yakymovych

Influence of configuration entropy and cocktail effect on the corrosion resistance of Pd-based Metallic Glasses Yating Zhou

Preparation and Characterization of New Highly Entropy Alloys Valentina Zhukova