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Publications

For manuscripts published from date range July 2022 - June 2023 (3)

Effect of Cell Geometry on the Mechanical Properties of 3D Voronoi Tessellation

Authors (3): Alknery, Zainab; Sktani, Zhwan Dilshad Ibrahim; Arab, Ali

Published in Journal of Functional Biomaterials

Effect of strain rate and temperature on deformation and recrystallization behaviour of BCC structure AlCoCrFeNi high entropy alloy

Authors (4): Arab, Ali; Guo, Yansong ... Chen, Pengwan

Published in Intermetallics

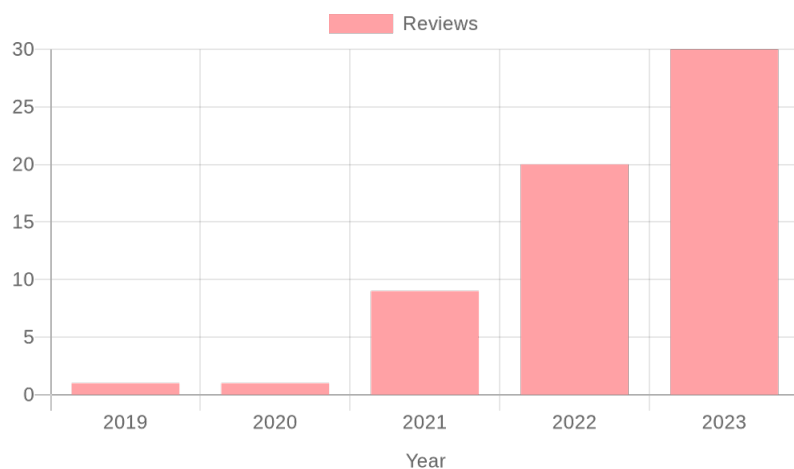
Effects of additives additions and sintering techniques on the microstructure and mechanical properties of Zirconia Toughened Alumina (ZTA): A review

Authors (4): Sktani, Zhwan Dilshad Ibrahim; Arab, Ali ... Ahmad, Zainal Arifin

Published in International Journal of Refractory Metals and Hard Materials

Verified reviews

Review Summary



Reviewer Summary

For manuscripts reviewed from date range July 2022 - June 2023

(28) Materials

(6) Applied Sciences

(4) Ceramics

(4) Crystals

(3) Coatings

(2) Symmetry

(2) Sensors

(1) Journal of Material Cycles and Waste Ma...

50 REVIEWS OF 36 MANUSCRIPTS

For manuscripts published from date range July 2022 - June 2023

Combined effect of SiC and carbon on sintering kinetics, microstructure and mechanical properties of fine-grained binderless tungsten carbide

Reviewed: May 2023 for Ceramics

Effect of Zr₂Al₄C₅ content on the mechanical properties and oxidation behavior of ZrB₂-SiC-Zr₂Al₄C₅ ceramics

Reviewed: May 2023 for Materials

Effect of spraying power on the tribological properties of alumina and alumina-graphite coatings

Reviewed: May 2023 for Coatings

Microstructure, Mechanical Properties and Oxidation Resistance of Nb-Si Based Ultrahigh Temperature Alloys Prepared by Hot Press Sintering

2 rounds from Apr 2023 to May 2023 for Materials

Study on Microstructure and High Temperature Oxidation performance of NiAl/Ni₃Al Intermetallic Composition fabricated by Laser Metal Deposition

Reviewed: Apr 2023 for Materials

Prediction of Hardness, Strength, and Fracture Toughness of ZrO₂ based Ceramics Using Ensemble Learning Algorithms

3 rounds from Mar 2023 to Apr 2023 for Applied Sciences

The Effect of Sintering Temperature on Vickers Microhardness and Flexural strength of Translucent Multi-layered Zirconia Dental Materials

2 rounds from Mar 2023 to Mar 2023 for Coatings

Microstructure and mechanical properties of HfC-SiC ceramics influenced by WC addition

2 rounds from Mar 2023 to Mar 2023 for Materials

TEM Study of Defects Formed in Additively Manufactured AlSi10Mg Alloy Processed By Equal Channel Angular Pressing

2 rounds from Mar 2023 to Mar 2023 for Symmetry

SiC Nanoparticles Strengthened Alumina Ceramics Prepared by Extrusion Printing

Reviewed: Mar 2023 for Materials

Effects of Ti on the microstructural evolution and mechanical property of the SiBCN-Ti composite ceramics

2 rounds from Feb 2023 to Feb 2023 for Materials

Synthesis and characterization of the properties of $x\text{Al}_2\text{O}_3 - (1-x)\text{Si}_3\text{N}_4$ ceramics with variation of the components

Reviewed: Feb 2023 for Materials

Different kinds of machine learning models to predict the hardness of metal matrix composite reinforced with ceramic particle developed using stir casting process

2 rounds from Feb 2023 to Feb 2023 for Crystals

Application of Machine Learning for Prediction and Optimization of Blush Defect in Plastic Injection Molding

2 rounds from Feb 2023 to Feb 2023 for Applied Sciences

Si₃N₄ and Si₃N₄-SiC nanocomposites obtained in the pressureless and pressure-assisted sintering process

2 rounds from Jan 2023 to Feb 2023 for Materials

Characterization of the Superplastic Magnesium Alloy AZ31 through Free-Forming Tests and Inverse Analysis

Reviewed: Jan 2023 for Applied Sciences

Effect of Ti on Characterization and Properties of CoCrFeNiTi_x High Entropy Alloy Prepared Via Electro-Deoxidization of the Metal Oxides and Vacuum Hot Pressing Sintering Process

Reviewed: Jan 2023 for Materials

Enriching the microstructure, mechanical, and corrosion properties of magnesium alloy by reinforcing nano molybdenum trioxide using vacuum assisted stir casting method

Reviewed: Jan 2023 for Materials

Macro- and microstructure of in-situ composites prepared by friction stir processing of AA5056 admixed with copper powders

Reviewed: Jan 2023 for Materials

Microstructure and mechanical properties of Ni-20Cr-Eu₂O₃ composites by vacuum hot pressing

Reviewed: Jan 2023 for Materials

Ni porous preforms compacted with Al₂O₃ particles and Al plasticizer

Reviewed: Dec 2022 for Materials

Phase field simulation of temperature-dependent thermal shock fracture of Al₂O₃/ZrO₂ multilayer ceramics with phase transition residual stress

Reviewed: Dec 2022 for Materials

TO STUDY THE INFLUENCE OF B₄C AND Al₂O₃ NANOPARTICLES ON THE TENSILE STRENGTH AND HARDNESS OF AA 7050 HYBRID COMPOSITE

2 rounds from Nov 2022 to Dec 2022 for Crystals

Compensation of Thermal Gradients Effects on a Quartz Crystal Microbalance

2 rounds from Nov 2022 to Dec 2022 for Sensors

Surface Modification of an Absorbable Bimodal Fe-Mn-Ag Alloy by Nitrogen Plasma Immersion Ion Implantation

Reviewed: Dec 2022 for Materials

Ni-NiO porous preforms reinforced with Al₂O₃ particles and in-situ formed nickel aluminides fabricated by low temperature oxidation

Reviewed: Dec 2022 for Materials

Chemical Composition Of Electric Arc Furnace Slag: A Reveiw

Reviewed: Dec 2022 for Journal of Material Cycles and Waste Management

Synthesis and Characterization of Single-Phase alpha-Cordierite Glass-Ceramics for LTCC Substrates from Tuff

2 rounds from Nov 2022 to Nov 2022 for Materials

Factory Crystallized Silicates for Monolithic Metal-Free Restorations: A Flexural Strength and Translucency Comparison Test

2 rounds from Sep 2022 to Oct 2022 for Materials

Strengthening of silica ceramics using MgO-Al₂O₃-ZrO₂-SiO₂ sol-gel coating compositions

Reviewed: Oct 2022 for Ceramics

Effect of Rolling Temperature on Microstructure and Properties of Al-Mg-Li Alloy

Reviewed: Oct 2022 for Materials

Reduction of Dewaxing and Sintering Time by Controlling the Particle Size of YSZ Particles for Stereolithography

Reviewed: Oct 2022 for Ceramics

Fabrication of Basalt Matrix Composite Material by Pressureless Aluminum Melt Infiltration in Air Atmosphere

Reviewed: Oct 2022 for Ceramics

The Tribological Behaviors in Zr-Based Bulk Metallic Glass with High Heterogeneous Microstructure

Reviewed: Oct 2022 for Materials

Effect of Ultra-High Pressure Sintering and Spark Plasma Sintering and Subsequent Heat Treatment on the Properties of Si₃N₄ Ceramics

Reviewed: Sep 2022 for Materials

Thin copper layer induced early fracture in graphene nanosheets (GNSs) reinforced copper matrix laminated composites

Reviewed: Sep 2022 for Materials
