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Publications 2019

Microstructure evolution of rail steels under different dry sliding conditions: A comparison between pearlitic and bainitic microstructures

Chen Y, Ren R, Pan J, Pan R, Zhao X

Wear

2019 vol: 438-439 pp: 203011

Mn-Intercalated MoSe₂ under pressure: electronic structure and vibrational characterization of a dilute magnetic semiconductor

Chen S, Johnson V, Moser B, Williams D, Donadio D, et. al.

2019

Adsorption behaviour of surfactant-nanoparticles at the gas-liquid interface: Influence of the alkane chain length

Zhao M, Wang R, Dai C, Wu X, Wu Y, et. al.

Chemical Engineering Science

2019 vol: 206 pp: 203-211

Characterization of aluminium matrix composites reinforced by Al–Cu–Fe–Cr quasicrystalline particles

Yuan Y, Hou H, Zhao Y, Yan F

Materials Research Express

2019 vol: 6 (7) pp: 076544

Pressure-dependent phase transition of 2D layered silicon telluride (Si₂Te₃) and manganese intercalated silicon telluride

Johnson V, Anilao A, Koski K

Nano Research

2019 vol: 12 (9) pp: 2373-2377

Printable Smart Pattern for Multifunctional Energy-Management E-Textile

Zhang M, Zhao M, Jian M, Wang C, Yu A, et. al.

Matter

2019 vol: 1 (1) pp: 168-179

A microfluidic approach for probing hydrodynamic effects in barite scale formation

Sosa R, Geng X, Reynolds M, Rimer J, Conrad J

Lab on a Chip

2019 vol: 19 (9) pp: 1534-1544

Molybdenum Trioxide (α -MoO₃) Nanoribbons for Ultrasensitive Ammonia (NH₃) Gas Detection: Integrated Experimental and Density Functional Theory Simulation Studies

Kwak D, Wang M, Koski K, Zhang L, Sokol H, et. al.

ACS Applied Materials & Interfaces

2019 vol: 11 (11) pp: 10697-10706

Tailoring the anisotropic mechanical properties of hexagonal M₇X₃ (M=Fe, Cr, W, Mo; X=C, B) by multialloying

Chong X, Hu M, Wu P, Shan Q, Jiang Y, et. al.

Acta Materialia

2019 vol: 169 pp: 193-208

Flow softening behavior and microstructure evolution of aluminum alloy 6061 due to dynamic recovery

Guan W, Linyuan K, Zhiwen L, Shikang L, Luoxing L

Materials Research Express

2019 vol: 6 (5) pp: 056555

Precisely Tailoring Bubble Morphology in Microchannel by Nanoparticles Self-assembly

Wu Y, Wang R, Dai C, Xu Y, Yue T, et. al.

Industrial & Engineering Chemistry Research

2019 vol: 58 (9) pp: 3707-3713

Post-irradiation examinations of UO₂ composites as part of the Accident Tolerant Fuels Campaign

Cappia F, Harp J, McCoy K

Journal of Nuclear Materials

2019 vol: 517 pp: 97-105

Design and simulation of optical micro-structures in silicon integrated circuitry with Si avalanche-mode light emitters, EXCEL optical ray tracing, and RSOF optical simulation

Snyman L, Okhai T

Fifth Conference on Sensors, MEMS, and Electro-Optic Systems

Publisher: SPIE

2019 vol: 11043 pp: 47

Microstructure and Mechanical Properties of Powder Thixoforged Amorphous Ni₅₅Nb₃₅Si₁₀-Reinforced Al Matrix Composites

Nouri Z, Sedighi M

Journal of Materials Engineering and Performance

2019 vol: 28 (2) pp: 1151-1160

Mechanical properties and thermal stability of 7055 Al alloy by minor Sc addition

Liu C, Teng G, Ma Z, Wei L, Zhou W, et. al.

Rare Metals

2019 pp: 1-8

Assessment of submicron particle zeta potential in simple electrokinetic microdevices

Hidalgo-Caballero S, Lentz C, Lapizco-Encinas B

ELECTROPHORESIS

2019 vol: 40 (10) pp: 1395-1399

Mechanical strengthening mechanism of Zn-Li alloy and its mini tube as potential absorbable stent material

Dai Y, Zhang Y, Liu H, Fang H, Li D, et. al.

Materials Letters

2019 vol: 235 pp: 220-223

Publications 2018

Thermal Analysis for the Prediction of Grain Refinement: An Experimental Investigation on an AlSiMg Foundry Alloy

Lattanzi L, Fortini A, Giovagnoli M, Merlin M, Pirletti S, et. al.

Materials Science Forum

2018 vol: 941 pp: 1029-1034

Effect of TiB₂ addition on the microstructure and wear resistance of Ti-6Al-4V alloy fabricated through direct metal laser sintering (DMLS)

Patil A, Hiwarkar V, Verma P, Khatirkar R

Journal of Alloys and Compounds

2019 vol: 777 pp: 165-173

Design and Characterization of Super Austenitic Stainless Steel Stabilized with Niobium Produced by Induction Melting at Open Atmosphere

Sanhueza J, Montoya L, Toledo E, Alvarado M, García J, et. al.
steel research international
2018 pp: 1800215

Chemical intercalation of heavy metal, semimetal, and semiconductor atoms into 2D layered chalcogenides

Wang M, Williams D, Lahti G, Teshima S, Dominguez Aguilar D, et. al.
2D Materials
2018 vol: 5 (4) pp: 045005

Feasibility study of a novel method for production of glassy reinforced composite Al–Ni₆₀Nb₄₀ of powder thixoforging

Nouri Z, Sedighi M, Minouei H
Journal of Composite Materials
2018 pp: 002199831878145

Stability Mechanism of Nitrogen Foam in Porous Media with Silica Nanoparticles Modified by Cationic Surfactants

Wu Y, Fang S, Zhang K, Zhao M, Jiao B, et. al.
Langmuir
2018 vol: 34 (27) pp: 8015-8023

Foam flow in a model porous medium: II. The effect of trapped gas

Jones S, Getrouw N, Vincent-Bonnieu S
Soft Matter
2018 vol: 14 (18) pp: 3497-3503

Room Temperature Mechanical Properties of A356 Alloy with Ni Additions from 0.5 Wt to 2 Wt %

Lattanzi L, Di Giovanni M, Giovagnoli M, Fortini A, Merlin M, et. al.
Metals
2018 vol: 8 (4) pp: 224

Effects of Tube Processing on the Fatigue Life of Nitinol

Adler P, Frei R, Kimiecik M, Briant P, James B, et. al.
Shape Memory and Superelasticity
2018 vol: 4 (1) pp: 197-217

The Observation of the Structure of M23C6/ γ Coherent Interface in the 100Mn13 High Carbon High Manganese Steel

Xu Z, Ding Z, Liang B
Metallurgical and Materials Transactions A
2018 pp: 1-6

Emulsion behavior control and stability study through decorating silica nano-particle with dimethyldodecylamine oxide at n-heptane/water interface

Dai C, Li H, Zhao M, et. al.
Chemical Engineering Science
2018 vol: 179 pp: 73-82

Impact of Ultrathin C₆₀ on Perovskite Photovoltaic Devices

Liu D, Wang Q, Traverse C, Yang C, Young M, et. al.
ACS Nano
2018 pp: acsnano.7b08561

Fabrication of high-performance antifogging and antireflective coatings using faujasitic nanozeolites

Cao L, Hao H, Dutta P
Microporous and Mesoporous Materials
2018 vol: 263 pp: 62-70

Publications 2017

One-pot preparation of poly(styrene-co-divinylbenzene)/silver nanoparticles composite microspheres with tunable porosity and their catalytic degradation of methylene blue in aqueous solution

Ji X, Griesing F, Yan R, Sun B, Pauer W, Zhu M, Sun Y, Moritz H
RSC Adv.
2017 vol: 7 (79) pp: 50176-50187

Functionalized reduced graphene oxide (fRGO) for removal of fulvic acid contaminant

Ray S, Majumder C, Saha P
RSC Advances
2017 vol: 7 (35) pp: 21768-21779

Publications 2016

FBG-based large deflection shape sensing of a continuum manipulator: Manufacturing optimization

Sefati S, Alambeigi F, Iordachita I, Armand M, Murphy R, Armand M
2016 IEEE SENSORS
2016 pp: 1-3



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