

Jiang Ju

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5666449/publications.pdf>

Version: 2024-02-01

30
papers

1,717
citations

567281

15
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

3039
citing authors

#	ARTICLE	IF	CITATIONS
1	A study on the additive manufacturing of a high chromium Nickel-based superalloy by extreme high-speed laser metal deposition. Optics and Laser Technology, 2021, 133, 106504.	4.6	36
2	Precipitation behavior and mechanical properties of Al-Zn-Mg-Cu matrix nanocomposites: Effects of SiC nanoparticles addition and heat treatment. Materials Characterization, 2021, 172, 110827.	4.4	17
3	Evolution of the microstructure and optimization of the tensile properties of the Ti-6Al-4V alloy by selective laser melting and heat treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 802, 140673.	5.6	25
4	Effect of heat treatment on microstructure and tribological behavior of Ti-6Al-4V alloys fabricated by selective laser melting. Tribology International, 2021, 159, 106996.	5.9	43
5	In situ nanoparticle-induced anti-oxidation mechanisms: Application to FeCrB alloys. Corrosion Science, 2021, 190, 109656.	6.6	7
6	Tribological investigation of additive manufacturing medical Ti6Al4V alloys against Al2O3 ceramic balls in artificial saliva. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 104, 103602.	3.1	25
7	Synergistic effect of Mo2C micro-particles and SiC nanoparticles on irradiation-induced hardening in dispersion-precipitation strengthened NiMo alloys. Scripta Materialia, 2020, 189, 1-6.	5.2	7
8	High-temperature oxidation behaviour of high chromium superalloys additively manufactured by conventional or extreme high-speed laser metal deposition. Corrosion Science, 2020, 176, 108922.	6.6	40
9	The Formation Mechanism of a Self-Organized Periodic-Layered Structure at the Solid-(Cr, Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	2.9	1
10	First-principles investigations of the stability, electronic structures, mechanical properties and thermodynamic properties of FexAlyCz compounds in Fe-Cr-B-Al-C alloy. Journal of Physics and Chemistry of Solids, 2020, 143, 109366.	4.0	12
11	Investigation on the Microstructure and Wear Behavior of Laser-Cladded High Aluminum and Chromium Fe-B-C Coating. Materials, 2020, 13, 2443.	2.9	5
12	Microstructure and mechanical properties of high chromium nickel-based superalloy fabricated by laser metal deposition. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 780, 139185.	5.6	45
13	Space-confined synthesis of CoNi nanoalloy in N-doped porous carbon frameworks as efficient oxygen reduction catalyst for neutral and alkaline aluminum-air batteries. Energy Storage Materials, 2020, 27, 96-108.	18.0	63
14	Effect of temperature on oxidation resistance and isothermal oxidation mechanism of novel wear-resistant Fe-Cr-B-Al-C-Mn-Si alloy. Corrosion Science, 2020, 170, 108620.	6.6	24
15	EFFECT OF BORON CONTENT ON HIGH-TEMPERATURE OXIDATION RESISTANCE OF B-BEARING HIGH-SPEED STEEL. Surface Review and Letters, 2020, 27, 2050023.	1.1	2
16	Improved corrosion resistance of Ni-modified Fe-Cr-B steel in molten zinc via phase transformation and microstructure control. Surface and Coatings Technology, 2019, 374, 975-986.	4.8	6
17	Microstructure and property of laser clad Fe-based composite layer containing Nb and B4C powders. Journal of Alloys and Compounds, 2019, 802, 373-384.	5.5	42
18	Effect of Chromium Content on Microstructure, Hardness, and Wear Resistance of As-Cast Fe-Cr-B Alloy. Journal of Materials Engineering and Performance, 2019, 28, 6428-6437.	2.5	21

#	ARTICLE	IF	CITATIONS
19	Strain-magnetization effect in superelastic Ni-Mn-Ga microfiber. Scripta Materialia, 2019, 162, 397-401.	5.2	6
20	Interface morphology and corrosion behavior of bulk Fe ₂ B in liquid Al. Materials Characterization, 2019, 152, 1-11.	4.4	15
21	Studies on as-cast microstructure and oxidation behavior of the Fe-Cr-B-Al alloys at 1073 K. Vacuum, 2019, 164, 436-448.	3.5	9
22	Temperature-dependent deformation mechanisms and microstructural degradation of a polycrystalline nickel-based superalloy. Journal of Alloys and Compounds, 2019, 775, 181-192.	5.5	17
23	EFFECT OF LASER QUENCHING ON MICROSTRUCTURE AND PROPERTIES OF THE SURFACE OF TRACK MATERIALS. Surface Review and Letters, 2018, 25, 1950030.	1.1	3
24	Mechanical Properties, Electronic Structures, and Debye Temperature of Ni _x By Compounds Obtained by the First Principles Calculations. Crystals, 2018, 8, 451.	2.2	11
25	Optimization of Process Parameters, Microstructure, and Properties of Laser Cladding Fe-Based Alloy on 42CrMo Steel Roller. Materials, 2018, 11, 2061.	2.9	28
26	Effect of laser welding speed on the weld quality of a 5A06 aluminum alloy. Materialpruefung/Materials Testing, 2018, 60, 1085-1092.	2.2	4
27	Phase diagram calculation and analyze on cast high vanadium wear-resistant alloy. Metallurgical Research and Technology, 2017, 114, 314.	0.7	4
28	Reactive Multifunctional Template-Induced Preparation of Fe-N-Doped Mesoporous Carbon Microspheres Towards Highly Efficient Electrocatalysts for Oxygen Reduction. Advanced Materials, 2016, 28, 7948-7955.	21.0	342
29	Effect of Al addition on microstructure and properties of an Fe-B-Al alloy. Materialpruefung/Materials Testing, 2016, 58, 753-762.	2.2	8
30	ZIF-8 Derived Graphene-Based Nitrogen-Doped Porous Carbon Sheets as Highly Efficient and Durable Oxygen Reduction Electrocatalysts. Angewandte Chemie - International Edition, 2014, 53, 14235-14239.	13.8	849