

Witor Wolf

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6663452/publications.pdf>

Version: 2024-02-01

27
papers

446
citations

567144

15
h-index

713332

21
g-index

27
all docs

27
docs citations

27
times ranked

367
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrosion and wear properties of FeCrMnCoSi HVOF coatings. <i>Surface and Coatings Technology</i> , 2019, 357, 993-1003.	2.2	42
2	Effect of boron addition on the solidification sequence and microstructure of AlCoCrFeNi alloys. <i>Journal of Alloys and Compounds</i> , 2019, 775, 1235-1243.	2.8	42
3	Recent developments on fabrication of Al-matrix composites reinforced with quasicrystals: From metastable to conventional processing. <i>Journal of Materials Research</i> , 2021, 36, 281-297.	1.2	31
4	Enhancement of Mechanical Properties of Aluminum and 2124 Aluminum Alloy by the Addition of Quasicrystalline Phases. <i>Materials Research</i> , 2016, 19, 74-79.	0.6	27
5	Structural, mechanical and thermal characterization of an Al-Co-Fe-Cr alloy for wear and thermal barrier coating applications. <i>Surface and Coatings Technology</i> , 2017, 319, 241-248.	2.2	27
6	Fabrication of Al-matrix composite reinforced with quasicrystals using conventional metallurgical fabrication methods. <i>Scripta Materialia</i> , 2019, 173, 21-25.	2.6	26
7	The formation of quasicrystals in Al-Cu-Fe-(M=Cr,Ni) melt-spun ribbons. <i>Journal of Alloys and Compounds</i> , 2018, 731, 1288-1294.	2.8	24
8	Single step fabrication by spray forming of large volume Al-based composites reinforced with quasicrystals. <i>Scripta Materialia</i> , 2020, 181, 86-91.	2.6	24
9	The formation of quasicrystal phase in Al-Cu-Fe system by mechanical alloying. <i>Materials Research</i> , 2012, 15, 749-752.	0.6	22
10	Wear-resistant boride reinforced steel coatings produced by non-vacuum electron beam cladding. <i>Surface and Coatings Technology</i> , 2020, 386, 125466.	2.2	22
11	Wear and Corrosion Performance of Al-Cu-Fe-(Cr) Quasicrystalline Coatings Produced by HVOF. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 1195-1207.	1.6	20
12	Design of a FeMnAlC steel with TWIP effect and evaluation of its tensile and fatigue properties. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154806.	2.8	19
13	Formation and stability of complex metallic phases including quasicrystals explored through combinatorial methods. <i>Scientific Reports</i> , 2019, 9, 7136.	1.6	17
14	Effect of Cr addition on the formation of the decagonal quasicrystalline phase of a rapidly solidified Al-Ni-Co alloy. <i>Journal of Alloys and Compounds</i> , 2017, 707, 41-45.	2.8	16
15	Designing new quasicrystalline compositions in Al-based alloys. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153765.	2.8	15
16	Insight into the complex ternary phase behavior in Al-Mn-Ce alloys. <i>Journal of Alloys and Compounds</i> , 2017, 727, 460-468.	2.8	14
17	Microtexture evolution of sigma phase in an aged fine-grained 2205 duplex stainless steel. <i>Materials Characterization</i> , 2021, 171, 110802.	1.9	12
18	Consolidation of magnesium and magnesium-quasicrystal composites through high-pressure torsion. <i>Letters on Materials</i> , 2019, 9, 546-550.	0.2	11

#	ARTICLE	IF	CITATIONS
19	Microstructure and mechanical behavior of Al92Fe3Cr2X3 (X = Ce, Mn, Ti, and V) alloys processed by centrifugal force casting. <i>Journal of Materials Research and Technology</i> , 2019, 8, 2092-2097.	2.6	9
20	The influence of particle size and heat treatments on the transformation energies of a gas atomized Cu-Al-Ni-Mn shape memory alloy. <i>Thermochimica Acta</i> , 2022, 707, 179107.	1.2	7
21	Al-matrix composites reinforced with quasicrystals consolidated at room temperature using HPT. <i>Materials Letters</i> , 2022, 317, 132107.	1.3	7
22	Assessment of phase constitution on the Al-rich region of rapidly solidified Al-Co-Fe-Cr alloys. <i>Materials Characterization</i> , 2016, 122, 76-82.	1.9	5
23	A wear-resistant Al85Cu6Fe3Cr6 spray-formed quasicrystalline composite. <i>Materialia</i> , 2022, 21, 101367.	1.3	3
24	Structural transformations of a gas-atomized Al62.5Cu25Fe12.5 alloy during detonation spraying, spark plasma sintering and hot pressing. <i>Science of Sintering</i> , 2021, 53, 379-386.	0.5	2
25	Effect of Aging Temperature and Time on Secondary Phase Precipitation and Texture in an Ultrafine Grained 2205 Duplex Stainless Steel after Cold Rolling. <i>Materials Performance and Characterization</i> , 2021, 10, 297-316.	0.2	1
26	Recent developments on fabrication of Al-matrix composites reinforced with quasicrystals: From metastable to conventional processing. <i>Journal of Materials Research</i> , 2021, 36, 1-17.	1.2	1
27	Microstructural Characterization of a Laser Surface Remelted Cu-Based Shape Memory Alloy. <i>Materials Research</i> , 2018, 21, .	0.6	0