Luyao Jiang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1075767/publications.pdf

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25	692	623188	580395
papers	citations	14 h-index	25 g-index

25	25	25	469
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Strain-induced dynamic precipitation of Mg17Al12 phases in Mgâ€“8Al alloys sheets rolled at 748 K. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 636, 516-521.	2.6	74
2	The role of Al content on deformation behavior and related texture evolution during hot rolling of Mg-Al-Zn alloys. Journal of Alloys and Compounds, 2017, 695, 396-403.	2.8	70
3	Influence of rolling speed on microstructure and mechanical properties of AZ31 Mg alloy rolled by large strain hot rolling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 607, 383-389.	2.6	65
4	Deformation behavior of AZ31 Mg alloys sheet during large strain hot rolling process: A study on microstructure and texture evolutions of an intermediate-rolled sheet. Journal of Alloys and Compounds, 2016, 663, 140-147.	2.8	53
5	Strengthening a dual-phase Mgâ€“Li alloy by strain-induced phase transformation at room temperature. Scripta Materialia, 2020, 179, 16-19.	2.6	51
6	The role of recrystallization and grain growth in optimizing the sheet texture of magnesium alloys with calcium addition during annealing. Journal of Magnesium and Alloys, 2020, 8, 252-268.	5.5	44
7	Microstructure, texture and mechanical properties evolution of pre-twinning Mg alloys sheets during large strain hot rolling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 655, 92-99.	2.6	42
8	The effect of Sn addition on aging behavior and mechanical properties of wrought AZ80 magnesium alloy. Journal of Alloys and Compounds, 2015, 620, 368-375.	2.8	38
9	Effect of Sn on the microstructure evolution of AZ80 magnesium alloy during hot compression. Journal of Alloys and Compounds, 2017, 727, 205-214.	2.8	36
10	Effect of rolling speed on microstructure and mechanical properties of AZ31 Mg alloys rolled with a wide thickness reduction range. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 619, 66-72.	2.6	35
11	Effects of Nd addition on microstructure and mechanical properties of Mgâ€“6Znâ€“1Mnâ€“4Sn alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 634, 5-13.	2.6	31
12	Microstructure, texture evolution and mechanical properties of pure Ti by friction stir processing with slow rotation speed. Materials Characterization, 2019, 148, 1-8.	1.9	26
13	Slip behavior and its effect on rolling texture development in a dual-phase Mgâ€“Li alloy. Journal of Alloys and Compounds, 2020, 813, 152117.	2.8	25
14	Development of Grain Boundary Character Distribution in Medium-Strained 316L Stainless Steel During Annealing. Metals and Materials International, 2019, 25, 364-371.	1.8	16
15	Microstructure and mechanical properties of Mg-Zn-Mn-Sn-Nd wrought alloys. Journal of Rare Earths, 2014, 32, 52-56.	2.5	14
16	Effects of Zn addition on the aging behavior and mechanical properties of Mg 8Al 2Sn wrought alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 752, 145-151.	2.6	12
17	Nanocrystalline structure fabricated by cryogenic temperature rolling of AA 2099 aluminum alloy. Journal of Alloys and Compounds, 2021, 864, 158293.	2.8	12
18	Evaluating the morphology of precipitates and the room temperature mechanical properties of age hardened AZT802 magnesium alloy treated at different aging temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 644, 25-31.	2.6	11

#	Article	IF	Citations
19	Micro-nano structure characteristics and texture evolution of the friction stir processed dual-phase Mg Li alloy. Materials Characterization, 2021, 173, 110979.	1.9	9
20	Tailoring the Rolling Texture of AZ31 Mg Alloy with Calcium and Tin Addition. Advanced Engineering Materials, 2019, 21, 1800920.	1.6	8
21	Rolling texture development in a dual-phase Mg-Li alloy: The role of temperature. Journal of Magnesium and Alloys, 2023, 11, 2980-2990.	5.5	7
22	The effects of stored energy on wear resistance of friction stir processed pure Ti. Results in Physics, 2019, 12, 1276-1284.	2.0	6
23	Activity of basal slip and detwinning on microstructure evolution and compressive flow behavior in a texture bonding Mg alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 758, 147-153.	2.6	4
24	The Microstructure Morphology and Texture Evolution of Î±â€Ti in Tiâ€6Alâ€4V Alloy During Friction Stir Processing With Low Rotation Speed and Traverse Speed. Advanced Engineering Materials, 2019, 21, 1900250.	1.6	2
25	Influences of work hardening and crystallographic texture on dry-sliding tribological properties of friction stir processed pure Ti with slow rotation speed. Materials Research Express, 2019, 6, 0865c9.	0.8	1