

Fan Yang

List of Publications by Year in descending order

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380
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#	ARTICLE	IF	CITATIONS
1	Temperature effects on magnetic properties of Fe ₃ O ₄ nanoparticles synthesized by the sol-gel explosion-assisted method. <i>Journal of Alloys and Compounds</i> , 2019, 773, 605-611.	5.5	73
2	La ₂ O ₃ effects on TZM alloy recovery, recrystallization and mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 636, 415-420.	5.6	62
3	High saturation magnetization Fe ₃ O ₄ nanoparticles prepared by one-step reduction method in autoclave. <i>Journal of Alloys and Compounds</i> , 2017, 728, 88-92.	5.5	55
4	La doping effect on TZM alloy oxidation behavior. <i>Journal of Alloys and Compounds</i> , 2014, 593, 196-201.	5.5	44
5	Preparation and ductile-to-brittle transition temperature of the La-TZM alloy plates. <i>International Journal of Refractory Metals and Hard Materials</i> , 2015, 52, 131-136.	3.8	37
6	High temperature mechanical properties of TZM alloys under different lanthanum doping treatments. <i>Journal of Alloys and Compounds</i> , 2017, 711, 64-70.	5.5	35
7	Investigation on compression behavior of TZM and La ₂ O ₃ doped TZM Alloys at high temperature. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 687, 276-280.	5.6	27
8	The microstructure and texture evolution of pure molybdenum sheets under various rolling reductions. <i>Materials Characterization</i> , 2020, 165, 110357.	4.4	15
9	Strengthening and elongation mechanism of Lanthanum-doped Titanium-Zirconium-Molybdenum alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 678, 315-319.	5.6	13
10	Detonation exfoliated mechanism of graphene-like MoS ₂ prepared by the intercalation-detonation method and promising exfoliation for 2D materials. <i>Applied Surface Science</i> , 2020, 525, 145867.	6.1	10
11	Graphene-like MoS ₂ prepared by a novel intercalation-detonation method. <i>Materials Letters</i> , 2017, 188, 224-227.	2.6	9
12	Pt-plating effect on La-TZM alloy high temperature oxidation behavior. <i>Journal of Alloys and Compounds</i> , 2016, 686, 1037-1043.	5.5	8
13	Oxidation layering mechanism of graphene-like MoS ₂ prepared by the intercalation-detonation method. <i>Nano Research</i> , 2018, 11, 997-1003.	10.4	8
14	Arc erosion behavior of La-doping titanium-zirconium-molybdenum alloy. <i>Journal of Alloys and Compounds</i> , 2016, 685, 465-470.	5.5	7
15	Synthesis of hypoxia-high density TZM alloy based on mechanochemistry and particle size distribution theories. <i>Journal of Alloys and Compounds</i> , 2017, 698, 994-1001.	5.5	7
16	The formation mechanism of micro-nano secondary phase in solid-liquid doped TZM alloy. <i>Materials Characterization</i> , 2022, 186, 111800.	4.4	6