

Wang YangWei

List of Publications by Year in descending order

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papers

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29
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Constitutive analysis, twinning, recrystallization, and crack in fine-grained ZK61 Mg alloy during high strain rate compression over a wide range of temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 771, 138649.	5.6	58
2	Fracture behavior of twin induced ultra-fine grained ZK61 magnesium alloy under high strain rate compression. <i>Journal of Materials Research and Technology</i> , 2019, 8, 3475-3486.	5.8	48
3	Effect of pre-straining on twinning, texture and mechanical behavior of magnesium alloys A-review. <i>Journal of Materials Research and Technology</i> , 2020, 9, 14478-14499.	5.8	42
4	Deformation behavior of Mg-Zn-Zr magnesium alloy on the basis of macro-texture and fine-grain size under tension and compression loading along various directions. <i>Journal of Alloys and Compounds</i> , 2021, 858, 157740.	5.5	34
5	Post deformation analysis of the ballistic impacted magnesium alloys, a short-review. <i>Journal of Magnesium and Alloys</i> , 2021, 9, 1505-1520.	11.9	28
6	Ballistic behaviour of spray formed AA7055 aluminum alloy against tungsten core projectile impact. <i>Vacuum</i> , 2019, 159, 482-493.	3.5	27
7	Microstructure evolution of Mg-Zn-Zr magnesium alloy against soft steel core projectile. <i>Journal of Materials Science and Technology</i> , 2021, 79, 46-61.	10.7	27
8	Achieving higher dynamic mechanical response by adjusting texture through twinning in a ZK61 Mg alloy. <i>Journal of Alloys and Compounds</i> , 2022, 902, 163755.	5.5	27
9	Porous Silicon Carbide Ceramics Produced by a Carbon Foam Derived from Mixtures of Mesophase Pitch and Si Particles. <i>Journal of the American Ceramic Society</i> , 2009, 92, 260-263.	3.8	25
10	Superplastic behavior of fine-grained extruded ZK61 Mg alloy. <i>Results in Physics</i> , 2021, 20, 103731.	4.1	25
11	Microstructure characteristic of spray formed 7055 Al alloy subjected to ballistic impact by two different steel core projectiles. <i>Journal of Materials Research and Technology</i> , 2019, 8, 6177-6190.	5.8	24
12	The development of a strong and ductile Mg-Zn-Zr thin sheet through nano precipitates and pre-induced dislocation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 817, 141339.	5.6	21
13	Effect of pre-compression on changes in texture and yielding behavior of ZK61 Mg alloy. <i>Vacuum</i> , 2020, 172, 109039.	3.5	20
14	Dynamic mechanical behavior of magnesium alloys: a review. <i>International Journal of Materials Research</i> , 2019, 110, 1105-1115.	0.3	19
15	Study on Protection Mechanism of 30CrMnMo-UHMWPE Composite Armor. <i>Materials</i> , 2017, 10, 405.	2.9	11
16	Microstructure evolution of an artificially aged Al-Zn-Mg-Cu alloy subjected to soft- and hard-steel core projectiles. <i>Journal of Materials Research and Technology</i> , 2020, 9, 11980-11992.	5.8	11
17	Ballistic Behavior of Oblique Ceramic Composite Structure against Long-Rod Tungsten Projectiles. <i>Materials</i> , 2019, 12, 2946.	2.9	10
18	Determination of the Johnson-Cook Constitutive Model Parameters of Materials by Cluster Global Optimization Algorithm. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 4099-4107.	2.5	9

#	ARTICLE	IF	CITATIONS
19	A Prospective Way to Achieve Ballistic Impact Resistance of Lightweight Magnesium Alloys. <i>Metals</i> , 2022, 12, 241.	2.3	8
20	Effect of Ductile Agents on the Dynamic Behavior of SiC3D Network Composites. <i>Applied Composite Materials</i> , 2016, 23, 1015-1026.	2.5	6
21	Effects of TiB2 Particles on the Microstructure Evolution and Mechanical Properties of B4C/TiB2 Ceramic Composite. <i>Materials</i> , 2021, 14, 5227.	2.9	6
22	The effect of surface oxidized modification on the mechanical properties of SiC3D/Al. <i>Applied Surface Science</i> , 2015, 332, 507-512.	6.1	5
23	The Effect of Interlayer Materials on Ceramic Damage in SiC/Al Composite Structure. <i>Materials</i> , 2020, 13, 3709.	2.9	5
24	Impact Resistant Structure Design and Optimization Inspired by Turtle Carapace. <i>Materials</i> , 2022, 15, 2899.	2.9	5
25	The both positive and negative effect of pre-strain on the mechanical response of extruded magnesium alloy. <i>Forces in Mechanics</i> , 2021, 4, 100031.	2.8	3
26	Dynamic Compressive Mechanical Behavior and Microstructure Evolution of Rolled Fe-28Mn-10Al-1.2C Low-Density Steel. <i>Materials</i> , 2022, 15, 3550.	2.9	3
27	Damage characteristic of interpenetrating phase composites under dynamic loading. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014, 29, 698-703.	1.0	2
28	Effect of C content on microstructure and mechanical properties of Cr-based hard composites obtained by different sintering methods. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 848, 143377.	5.6	2