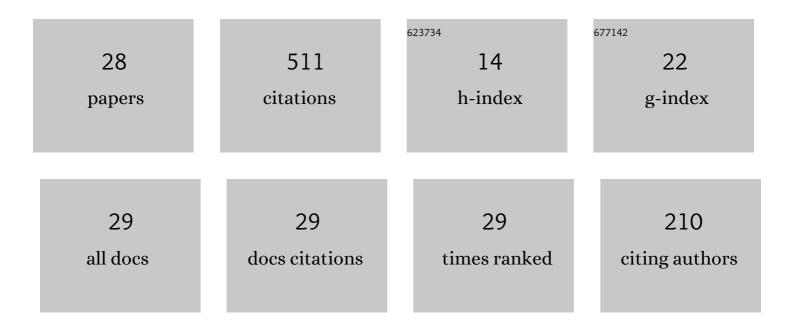
Wang YangWei

List of Publications by Year in descending order

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#	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. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 771, 138649.	5.6	58
2	Fracture behavior of twin induced ultra-fine grained ZK61 magnesium alloy under high strain rate compression. Journal of Materials Research and Technology, 2019, 8, 3475-3486.	5.8	48
3	Effect of pre-straining on twinning, texture andÂmechanical behavior of magnesium alloys A-review. Journal of Materials Research and Technology, 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. Journal of Alloys and Compounds, 2021, 858, 157740.	5.5	34
5	Post deformation analysis of the ballistic impacted magnesium alloys, a short-review. Journal of Magnesium and Alloys, 2021, 9, 1505-1520.	11.9	28
6	Ballistic behaviour of spray formed AA7055 aluminum alloy against tungsten core projectile impact. Vacuum, 2019, 159, 482-493.	3.5	27
7	Microstructure evolution of Mg-Zn-Zr magnesium alloy against soft steel core projectile. Journal of Materials Science and Technology, 2021, 79, 46-61.	10.7	27
8	Achieving higher dynamic mechanical response by adjusting texture through twinning in a ZK61 Mg alloy. Journal of Alloys and Compounds, 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. Journal of the American Ceramic Society, 2009, 92, 260-263.	3.8	25
10	Superplastic behavior of fine-grained extruded ZK61 Mg alloy. Results in Physics, 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 impact. Journal of Materials Research and Technology, 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. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 817, 141339.	5.6	21
13	Effect of pre-compression on changes in texture and yielding behavior of ZK61 Mg alloy. Vacuum, 2020, 172, 109039.	3.5	20
14	Dynamic mechanical behavior of magnesium alloys: a review. International Journal of Materials Research, 2019, 110, 1105-1115.	0.3	19
15	Study on Protection Mechanism of 30CrMnMo-UHMWPE Composite Armor. Materials, 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. Journal of Materials Research and Technology, 2020, 9, 11980-11992.	5.8	11
17	Ballistic Behavior of Oblique Ceramic Composite Structure against Long-Rod Tungsten Projectiles. Materials, 2019, 12, 2946.	2.9	10
18	Determination of the Johnson-Cook Constitutive Model Parameters of Materials by Cluster Global Optimization Algorithm. Journal of Materials Engineering and Performance, 2016, 25, 4099-4107.	2.5	9

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