

Kun Zhang

List of Publications by Year in descending order

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34
papers

553
citations

687363

13
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642732

23
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34
times ranked

670
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh discharge efficiency and improved energy density in rationally designed bilayer polyetherimide/BaTiO ₃ /P(VDF-HFP) composites. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5750-5757.	10.3	170
2	Greatly enhanced dielectric charge storage capabilities of layered polymer composites incorporated with low loading fractions of ultrathin amorphous iron phosphate nanosheets. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10414-10424.	5.5	52
3	Measurement of fracture toughness and interfacial shear strength of hard and brittle Cr coating on ductile steel substrate. <i>Surface Engineering</i> , 2008, 24, 332-336.	2.2	37
4	WIND TUNNEL SIMULATION OF WINDBLOWN SAND ALONG CHINA'S QINGHAI-TIBET RAILWAY. <i>Land Degradation and Development</i> , 2014, 25, 244-250.	3.9	28
5	Phase transition and heterogeneous strengthening mechanism in CoCrFeNiMn high-entropy alloy fabricated by laser-engineered net shaping via annealing at intermediate-temperature. <i>Journal of Materials Science and Technology</i> , 2021, 92, 129-137.	10.7	24
6	Strong third-order optical nonlinearities of Ag nanoparticles synthesized by laser ablation of bulk silver in water and air. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	23
7	Evaluation of Radiation Response in CoCrFeCuNi High-Entropy Alloys. <i>Entropy</i> , 2018, 20, 835.	2.2	19
8	AUXIN RESPONSE FACTOR3 plays distinct role during early flower development. <i>Plant Signaling and Behavior</i> , 2018, 13, e1467690.	2.4	19
9	Rejuvenation, embryonic shear bands and improved tensile plasticity of metallic glasses by nanosecond laser shock wave. <i>Journal of Non-Crystalline Solids</i> , 2019, 513, 76-83.	3.1	18
10	Abnormal softening of Ti-metallic glasses during nanosecond laser shock peening. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 773, 138844.	5.6	16
11	Structural and bonding transformation of Al _{0.67} CrCoCuFeNi high-entropy alloys during quenching. <i>Journal of Alloys and Compounds</i> , 2018, 753, 636-641.	5.5	15
12	Liquid-liquid phase transition in quasi-two-dimensional supercooled silicon. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 18023-18028.	2.8	14
13	Viscous surface flow induced on Ti-based bulk metallic glass by heavy ion irradiation. <i>Applied Surface Science</i> , 2016, 390, 941-945.	6.1	14
14	Ni/Al ₂ O ₃ /epoxy high-k composites with ultralow nickel content towards high-performance dielectric applications. <i>RSC Advances</i> , 2016, 6, 43429-43435.	3.6	13
15	Excellent irradiation tolerance and mechanical behaviors in high-entropy metallic glasses. <i>Journal of Nuclear Materials</i> , 2019, 527, 151785.	2.7	12
16	Crystallization behavior and mechanical response of metallic glass induced by ion irradiation at elevated temperature. <i>Journal of Nuclear Materials</i> , 2021, 545, 152618.	2.7	11
17	Whiskers growth and self-healing in Ti-based metallic glasses during ion irradiation. <i>Applied Surface Science</i> , 2018, 437, 176-180.	6.1	10
18	EFFECT OF SANDY SEDIMENTS PRODUCED BY THE MECHANICAL CONTROL OF SAND DEPOSITION ON THE THERMAL REGIME OF UNDERLYING PERMAFROST ALONG THE QINGHAI-TIBET RAILWAY. <i>Land Degradation and Development</i> , 2013, 24, 453-462.	3.9	9

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19	Anomalous shear band characteristics and extra-deep shock-affected zone in Zr-based bulk metallic glass treated with nanosecond laser peening. <i>Scientific Reports</i> , 2017, 7, 43948.	3.3	7
20	Microstructural evolution and mechanical properties in Cu ₄₈ Zr ₄₈ Al ₄ bulk metallic glass composites induced by He ⁺ ion irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018, 428, 17-23.	1.4	7
21	Mechanism of local hardening in metallic glass during He ion irradiation. <i>Materialia</i> , 2020, 11, 100691.	2.7	7
22	Abnormal change in dynamic mechanical behavior of metallic glass by laser shock peening. <i>Optics and Laser Technology</i> , 2021, 138, 106875.	4.6	5
23	N ⁺ —N Reconfigurable Nonblocking Polymer/Silica Hybrid Planar Optical Switch Matrix Based on Total-Internal-Reflection Effect. <i>IEEE Photonics Journal</i> , 2017, 9, 1-11.	2.0	4
24	Oxidation feature and diffusion mechanism of Zr-based metallic glasses near the glass transition point. <i>Materials Research Express</i> , 2018, 5, 036511.	1.6	4
25	Grain structure of laser remelted 7075 aluminium alloy in presence of Al ₂ O ₃ particles. <i>Materials Science and Technology</i> , 2001, 17, 668-670.	1.6	3
26	Modeling the relationship between melting point of a metal nanowire and its cap surface curvature. <i>RSC Advances</i> , 2016, 6, 39675-39680.	3.6	3
27	Fatigue behaviour of a multiphase medium carbon steel: Comparison between ferrite/pearlite and tempered microstructures. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 2542-2549.	3.4	3
28	Title is missing!. <i>Journal of Materials Science Letters</i> , 2000, 19, 795-796.	0.5	1
29	Characterising of internal stresses in duplex coating by FEM. <i>Surface Engineering</i> , 2007, 23, 291-294.	2.2	1
30	A run-length based algorithm for feature extraction from multi-target image. , 2012, , .		1
31	Effect of Laser Shock Peening on the Surface Morphology of Metallic Glasses. <i>Materials Science Forum</i> , 0, 898, 689-695.	0.3	1
32	Helium ions irradiation-induced surface damage in Fe-based melt-spun ribbons. <i>Journal of Iron and Steel Research International</i> , 2018, 25, 268-274.	2.8	1
33	Assessment of dynamic mode-I delamination driving force in double cantilever beam tests for fiber-reinforced polymer composite and adhesive materials. <i>Composites Science and Technology</i> , 2022, , 109632.	7.8	1
34	Numerical Simulation of Ti-Based Metallic Glasses as Whipple Shield Bumper by Smoothed Particle Hydrodynamics Methods. <i>Materials Science Forum</i> , 0, 993, 826-835.	0.3	0