

Tang Yu

List of Publications by Year in descending order

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33
docs citations

33
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#	ARTICLE	IF	CITATIONS
1	State and effect of oxygen on high entropy alloys prepared by powder metallurgy. Journal of Alloys and Compounds, 2022, 891, 161963.	5.5	8
2	Formation of dispersed Al/MoO ₃ interfaces and their effect on the energy release performance of Al–Ni composites. Intermetallics, 2022, 141, 107409.	3.9	3
3	Achieving high strength and ductility in nitrogen-doped refractory high-entropy alloys. Materials and Design, 2022, 213, 110356.	7.0	38
4	Mixing entropy threshold for entropy-tailored materials. Intermetallics, 2022, 142, 107436.	3.9	5
5	Effect of the valence electron concentration on the yield strength of Ti–Zr–Nb–V high-entropy alloys. Journal of Alloys and Compounds, 2021, 868, 159190.	5.5	31
6	Effect of W on the Impact-Induced Energy Release Behavior of Al–Ni Energetic Structural Materials. Metals, 2021, 11, 1217.	2.3	4
7	Compression properties and impact energy release characteristics of TiZrNbV high-entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 827, 142074.	5.6	32
8	In situ formation of composite thin film with (111) oriented Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ pillar array surrounded by BaTiO ₃ for ferroelectric-ferromagnetic coupling. Journal of Alloys and Compounds, 2021, 885, 161068.	5.5	5
9	Effect of Ti on the Structure and Mechanical Properties of Ti _x Zr _{2.5-x} Ta Alloys. Entropy, 2021, 23, 1632.	2.2	4
10	Mechanism of Doping-Induced Orientation of Magnetic Phase in a Sol–Gel-Derived Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ /BaTiO ₃ Multiferroic Thin Film with High Magnetoelectric Coupling. Journal of Physical Chemistry C, 2021, 125, 28025-28038.	3.1	0
11	Ablation behavior of an Ir-Hf coating: A novel idea for ultra-high temperature coatings in non-equilibrium conditions. Journal of Alloys and Compounds, 2020, 818, 152829.	5.5	13
12	Preparation of TiZrNbTa refractory high-entropy alloy powder by mechanical alloying with liquid process control agents. Intermetallics, 2020, 126, 106900.	3.9	21
13	Scaling behavior and variable-range-hopping conduction of localized polarons in percolative BaTiO ₃ -Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ ceramic composite with colossal apparent permittivity. Journal of Applied Physics, 2020, 128, .	2.5	2
14	Effect of lattice distortion on the diffusion behavior of high-entropy alloys. Journal of Alloys and Compounds, 2020, 825, 154099.	5.5	64
15	Enhancement of energy release performance of Al–Ni composites by adding CuO. Journal of Alloys and Compounds, 2020, 835, 155271.	5.5	12
16	Effect of in-situ crystalline phases on the mechanical properties and energy release behaviors of Zr ₅₅ Ni ₅ Al ₁₀ Cu ₃₀ bulk metallic glasses. Intermetallics, 2020, 119, 106720.	3.9	12
17	Magnetoelectric coupling tailored by the orientation of the nanocrystals in only one component in percolative multiferroic composites. RSC Advances, 2019, 9, 20345-20355.	3.6	21
18	Compression Brazing of SiCp/Al Composite Using a Semisolid Zn-Al-Cu Filler Metal Based on the Strain-Induced Melt Activation Process. Jom, 2019, 71, 4931-4939.	1.9	8

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19	Anisotropy of Percolation Threshold of BaTiO ₃ -Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ Composite Films. Scientific Reports, 2019, 9, 7855.	3.3	5
20	High-Temperature Oxidation Behavior of a Single-Layer IrAl Intermetallic Coating. Oxidation of Metals, 2019, 91, 749-766.	2.1	0
21	A tri-phase percolative ceramic composite with high initial permeability and composition-independent giant permittivity. RSC Advances, 2019, 9, 30641-30649.	3.6	3
22	Novel metastable engineering in single-phase high-entropy alloy. Materials and Design, 2019, 162, 256-262.	7.0	46
23	Formation of BaFe ₁₂ Nb ₁₉ O ₁₉ and its high electromagnetic wave absorption properties in millimeter wave frequency range. Journal of the American Ceramic Society, 2017, 100, 3999-4010.	3.8	25
24	The tunable magnetic and microwave absorption properties of the Nb ⁵⁺ â€“Ni ²⁺ co-doped M-type barium ferrite. Journal of Materials Chemistry C, 2017, 5, 3461-3472.	5.5	63
25	Microstructure, mechanical properties and energetic characteristics of a novel high-entropy alloy HfZrTiTa _{0.53} . Materials and Design, 2017, 133, 435-443.	7.0	78
26	Zr ⁴⁺ doping-controlled permittivity and permeability of BaFe ₁₂ Zr _x O ₁₉ and the extraordinary EM absorption power in the millimeter wavelength frequency range. Journal of Materials Chemistry C, 2016, 4, 9532-9543.	5.5	84
27	Control of gradient activation energy on the formation and properties of multiferroic composite thin films. Journal of Materials Chemistry C, 2016, 4, 2028-2039.	5.5	4
28	Control of the nanostructure in percolative multiferroic composites on the dielectric loss and magnetism threshold. Journal of Materials Chemistry C, 2015, 3, 9076-9088.	5.5	15
29	Azimuthally Controlled Magnetic and Dielectric Properties of Multiferroic Nanocrystalline Composite by Magnetic Coupling and Charge Hopping. Journal of Physical Chemistry C, 2015, 119, 17995-18005.	3.1	15
30	Relation between the microstructure and the electromagnetic properties of BaTiO ₃ /Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ ceramic composite. Applied Physics A: Materials Science and Processing, 2015, 119, 1291-1300.	2.3	16
31	Direct Control of Defects on Positron Lifetimes and Dielectric Constant of Microwave Ceramics. Journal of the American Ceramic Society, 2013, 96, 2537-2543.	3.8	17
32	Research on Grid-Enabled Parallel Strategies of Automatic Wavelet-based Registration of Remote-Sensing Images and Its Application in ChinaGrid. , 2007, , .		10
33	SRN: an extended Petri-net-based workflow model for Web service composition. , 2004, , .		15