

Tang Yu

List of Publications by Year in descending order

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33
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#	ARTICLE	IF	CITATIONS
1	Zr ⁴⁺ -doping-controlled permittivity and permeability of BaFe ₁₂ xZr _x O ₁₉ and the extraordinary EM absorption power in the millimeter wavelength frequency range. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9532-9543.	5.5	84
2	Microstructure, mechanical properties and energetic characteristics of a novel high-entropy alloy HfZrTiTa _{0.53} . <i>Materials and Design</i> , 2017, 133, 435-443.	7.0	78
3	Effect of lattice distortion on the diffusion behavior of high-entropy alloys. <i>Journal of Alloys and Compounds</i> , 2020, 825, 154099.	5.5	64
4	The tunable magnetic and microwave absorption properties of the Nb ⁵⁺ -Ni ²⁺ -co-doped M-type barium ferrite. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3461-3472.	5.5	63
5	Novel metastable engineering in single-phase high-entropy alloy. <i>Materials and Design</i> , 2019, 162, 256-262.	7.0	46
6	Achieving high strength and ductility in nitrogen-doped refractory high-entropy alloys. <i>Materials and Design</i> , 2022, 213, 110356.	7.0	38
7	Compression properties and impact energy release characteristics of TiZrNbV high-entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 827, 142074.	5.6	32
8	Effect of the valence electron concentration on the yield strength of Ti-Zr-Nb-V high-entropy alloys. <i>Journal of Alloys and Compounds</i> , 2021, 868, 159190.	5.5	31
9	Formation of BaFe ₁₂ xNb _x O ₁₉ and its high electromagnetic wave absorption properties in millimeter wave frequency range. <i>Journal of the American Ceramic Society</i> , 2017, 100, 3999-4010.	3.8	25
10	Magnetoelectric coupling tailored by the orientation of the nanocrystals in only one component in percolative multiferroic composites. <i>RSC Advances</i> , 2019, 9, 20345-20355.	3.6	21
11	Preparation of TiZrNbTa refractory high-entropy alloy powder by mechanical alloying with liquid process control agents. <i>Intermetallics</i> , 2020, 126, 106900.	3.9	21
12	Direct Control of Defects on Positron Lifetimes and Dielectric Constant of Microwave Ceramics. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2537-2543.	3.8	17
13	Relation between the microstructure and the electromagnetic properties of BaTiO ₃ /Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ ceramic composite. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 1291-1300.	2.3	16
14	SRN: an extended Petri-net-based workflow model for Web service composition. , 2004, , .		15
15	Control of the nanostructure in percolative multiferroic composites on the dielectric loss and magnetism threshold. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9076-9088.	5.5	15
16	Azimuthally Controlled Magnetic and Dielectric Properties of Multiferroic Nanocrystalline Composite by Magnetic Coupling and Charge Hopping. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17995-18005.	3.1	15
17	Ablation behavior of an Ir-Hf coating: A novel idea for ultra-high temperature coatings in non-equilibrium conditions. <i>Journal of Alloys and Compounds</i> , 2020, 818, 152829.	5.5	13
18	Enhancement of energy release performance of Al-Ni composites by adding CuO. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155271.	5.5	12

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19	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. <i>Intermetallics</i> , 2020, 119, 106720.	3.9	12
20	Research on Grid-Enabled Parallel Strategies of Automatic Wavelet-based Registration of Remote-Sensing Images and Its Application in ChinaGrid. , 2007, , .		10
21	Compression Brazing of SiCp/Al Composite Using a Semisolid Zn-Al-Cu Filler Metal Based on the Strain-Induced Melt Activation Process. <i>Jom</i> , 2019, 71, 4931-4939.	1.9	8
22	State and effect of oxygen on high entropy alloys prepared by powder metallurgy. <i>Journal of Alloys and Compounds</i> , 2022, 891, 161963.	5.5	8
23	Anisotropy of Percolation Threshold of BaTiO ₃ -Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ Composite Films. <i>Scientific Reports</i> , 2019, 9, 7855.	3.3	5
24	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. <i>Journal of Alloys and Compounds</i> , 2021, 885, 161068.	5.5	5
25	Mixing entropy threshold for entropy-tailored materials. <i>Intermetallics</i> , 2022, 142, 107436.	3.9	5
26	Control of gradient activation energy on the formation and properties of multiferroic composite thin films. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2028-2039.	5.5	4
27	Effect of W on the Impact-Induced Energy Release Behavior of Alâ€“Ni Energetic Structural Materials. <i>Metals</i> , 2021, 11, 1217.	2.3	4
28	Effect of Ti on the Structure and Mechanical Properties of Ti _x Zr _{2.5-x} Ta Alloys. <i>Entropy</i> , 2021, 23, 1632.	2.2	4
29	A tri-phase percolative ceramic composite with high initial permeability and composition-independent giant permittivity. <i>RSC Advances</i> , 2019, 9, 30641-30649.	3.6	3
30	Formation of dispersed Al/MoO ₃ interfaces and their effect on the energy release performance of Alâ€“Ni composites. <i>Intermetallics</i> , 2022, 141, 107409.	3.9	3
31	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. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	2
32	High-Temperature Oxidation Behavior of a Single-Layer IrAl Intermetallic Coating. <i>Oxidation of Metals</i> , 2019, 91, 749-766.	2.1	0
33	Mechanism of Doping-Induced Orientation of Magnetic Phase in a Solâ€“Gel-Derived Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ /BaTiO ₃ Multiferroic Thin Film with High Magnetoelectric Coupling. <i>Journal of Physical Chemistry C</i> , 2021, 125, 28025-28038.	3.1	0