

Ping Shen

List of Publications by Year in descending order

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131
papers

2,639
citations

172457

29
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265206

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133
all docs

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docs citations

133
times ranked

1533
citing authors

#	ARTICLE	IF	CITATIONS
1	Wetting of TiC by molten Al at 1123–1323K. <i>Acta Materialia</i> , 2011, 59, 1898-1911.	7.9	86
2	Wetting of polycrystalline SiC by molten Al and Al–Si alloys. <i>Applied Surface Science</i> , 2014, 317, 140-146.	6.1	76
3	Wetting of (0001) α -Al ₂ O ₃ single crystals by molten Al. <i>Scripta Materialia</i> , 2003, 48, 779-784.	5.2	73
4	Critical Factors Affecting the Wettability of α -Alumina by Molten Aluminum. <i>Journal of the American Ceramic Society</i> , 2004, 87, 2151-2159.	3.8	72
5	Effect of Cr on the wetting in Cu/graphite system. <i>Applied Surface Science</i> , 2011, 257, 6276-6281.	6.1	70
6	The influence of surface structure on wetting of α -Al ₂ O ₃ by aluminum in a reduced atmosphere. <i>Acta Materialia</i> , 2003, 51, 4897-4906.	7.9	69
7	Lamellar-interpenetrated Al–Si–Mg/SiC composites fabricated by freeze casting and pressureless infiltration. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 630, 78-84.	5.6	68
8	Wetting and evaporation behaviors of water–ethanol sessile drops on PTFE surfaces. <i>Surface and Interface Analysis</i> , 2009, 41, 951-955.	1.8	55
9	Wetting of polycrystalline B ₄ C by molten Al at 1173–1473K. <i>Scripta Materialia</i> , 2009, 60, 960-963.	5.2	51
10	Roles of alloying elements in wetting of SiC by Al. <i>Journal of Alloys and Compounds</i> , 2019, 784, 1212-1220.	5.5	51
11	Influence of SiC surface polarity on the wettability and reactivity in an Al/SiC system. <i>Applied Surface Science</i> , 2015, 355, 930-938.	6.1	49
12	Effects of direct current on the wetting behavior and interfacial morphology between molten Sn and Cu substrate. <i>Journal of Alloys and Compounds</i> , 2014, 586, 80-86.	5.5	48
13	Ultrafast high-temperature sintering of bulk oxides. <i>Scripta Materialia</i> , 2021, 193, 103-107.	5.2	48
14	Effects of oxide addition on the microstructure and mechanical properties of lamellar SiC scaffolds and Al–Si–Mg/SiC composites prepared by freeze casting and pressureless infiltration. <i>Ceramics International</i> , 2016, 42, 9653-9659.	4.8	44
15	Wetting and reaction of MgO single crystals by molten Al at 1073–1473 K. <i>Acta Materialia</i> , 2004, 52, 887-898.	7.9	43
16	Developing high toughness and strength Al/TiC composites using ice-templating and pressure infiltration. <i>Ceramics International</i> , 2017, 43, 3831-3838.	4.8	43
17	Growth Mechanism of TiC during Self-Propagating High-Temperature Synthesis in an Al–Ti–C System. <i>Crystal Growth and Design</i> , 2010, 10, 1590-1597.	3.0	41
18	A Common Regularity of Stoichiometry-Induced Morphology Evolution of Transition Metal Carbides, Nitrides, and Diborides during Self-Propagating High-Temperature Synthesis. <i>Crystal Growth and Design</i> , 2012, 12, 2814-2824.	3.0	41

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19	Ultrafast densification of high-entropy oxide (La _{0.2} Nd _{0.2} Sm _{0.2} Eu _{0.2} Gd _{0.2}) ₂ Zr ₂ O ₇ by reactive flash sintering. <i>Journal of the European Ceramic Society</i> , 2021, 41, 2855-2860.	5.7	41
20	Wetting of B ₄ C, TiC and graphite substrates by molten Mg. <i>Materials Chemistry and Physics</i> , 2011, 130, 665-671.	4.0	39
21	Reactive wetting of SiO ₂ substrates by molten Al. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2004, 35, 583-588.	2.2	38
22	Reaction synthesis of TiC/TiB ₂ /Al composites from an Al-Ti-B ₄ C system. <i>Journal of Materials Science</i> , 2007, 42, 9927-9933.	3.7	38
23	Microstructures and mechanical characterizations of high-performance nacre-inspired Al/Al ₂ O ₃ composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 121, 465-473.	7.6	38
24	Role of ion substitution and lattice water in the densification of cold-sintered hydroxyapatite. <i>Scripta Materialia</i> , 2020, 177, 141-145.	5.2	34
25	Wettability of some refractory materials by molten SiO ₂ -MnO-TiO ₂ -FeOx slag. <i>Materials Chemistry and Physics</i> , 2009, 114, 681-686.	4.0	33
26	Reactive wetting and infiltration of polycrystalline WC by molten Zr ₂ Cu alloy. <i>Scripta Materialia</i> , 2011, 64, 229-232.	5.2	33
27	Processing and mechanical properties of lamellar-structured Al ₇ Si ₅ Cu/TiC composites. <i>Materials and Design</i> , 2016, 106, 446-453.	7.0	33
28	Ultrafast high-temperature synthesis and densification of high-entropy carbides. <i>Journal of the European Ceramic Society</i> , 2022, 42, 4053-4065.	5.7	33
29	High damage-tolerance bio-inspired ZL205A/SiC composites with a lamellar-interpenetrated structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 708, 199-207.	5.6	30
30	Wetting of Polycrystalline $\hat{\pm}$ -Al ₂ O ₃ by Molten Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ Metallic Glass Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009, 40, 444-449.	2.2	29
31	Preparation of nacre-like composites by reactive infiltration of a magnesium alloy into porous silicon carbide derived from ice template. <i>Materials Letters</i> , 2016, 183, 299-302.	2.6	29
32	Critical Factors Affecting the Wettability of $\hat{\pm}$ -Alumina by Molten Aluminum. <i>Journal of the American Ceramic Society</i> , 2004, 87, 1265-1273.	3.8	28
33	Reactive wetting in liquid magnesium/silica and magnesium/silicon systems. <i>Applied Surface Science</i> , 2013, 274, 124-130.	6.1	28
34	Wettability in reactive Sn-base alloy/Ni-base metallic glass systems. <i>Applied Surface Science</i> , 2013, 276, 424-432.	6.1	27
35	Developing high-performance laminated Cu/TiC composites through melt infiltration of Ni-doped freeze-cast preforms. <i>Ceramics International</i> , 2019, 45, 11686-11693.	4.8	27
36	Synthesis and mechanical properties of TiC-reinforced Cu-based bulk metallic glass composites. <i>Scripta Materialia</i> , 2009, 60, 84-87.	5.2	25

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37	The role of CuO-TiO ₂ additives in the preparation of high-strength porous alumina scaffolds using directional freeze casting. <i>Journal of Porous Materials</i> , 2016, 23, 539-547.	2.6	25
38	Cold sintering of NaNO ₃ /MgO heat-storage composite. <i>Ceramics International</i> , 2020, 46, 28955-28960.	4.8	25
39	Fabrication of TiC and TiB ₂ locally reinforced steel matrix composites using a Fe-Ti-B ₄ C-C system by an SHS-casting route. <i>Journal of Materials Science</i> , 2007, 42, 8350-8356.	3.7	24
40	Strong work-hardening effect in a multiphase ZrCuAlNiO alloy. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	23
41	Preparation of High-Strength Al-Mg-Si/Al ₂ O ₃ Composites with Lamellar Structures Using Freeze Casting and Pressureless Infiltration Techniques. <i>Acta Metallurgica Sinica (English Letters)</i> , 2014, 27, 944-950.	2.9	22
42	Lamellar-interpenetrated Al-Si-Mg/Al ₂ O ₃ -ZrO ₂ composites prepared by freeze casting and pressureless infiltration. <i>Ceramics International</i> , 2017, 43, 3292-3297.	4.8	22
43	Synthesis of damage-tolerant Cu-matrix composites with nacre-inspired laminate-reticular hierarchical architecture via tuning compositional wettability. <i>Scripta Materialia</i> , 2020, 186, 312-316.	5.2	22
44	The role of TiO ₂ incorporation in the preparation of B ₄ C/Al laminated composites with high strength and toughness. <i>Ceramics International</i> , 2018, 44, 15219-15227.	4.8	21
45	Optimization of the properties in Al/SiC composites by tailoring microstructure through gelatin freeze casting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 748, 286-293.	5.6	21
46	Wetting and evaporation behaviors of molten Mg on partially oxidized SiC substrates. <i>Applied Surface Science</i> , 2010, 256, 7043-7047.	6.1	19
47	Wetting and evaporation behaviors of molten Mg-Al alloy drops on partially oxidized SiC substrates. <i>Materials Chemistry and Physics</i> , 2011, 130, 1125-1133.	4.0	19
48	Effects of composition and sintering temperature on the structure and compressive property of the lamellar Al ₂ O ₃ -ZrO ₂ scaffolds prepared by freeze casting. <i>Journal of Materials Science</i> , 2015, 50, 5039-5046.	3.7	19
49	Significant improvement in the wettability of ZrO ₂ by molten Al under the application of a direct current. <i>Materials and Design</i> , 2016, 111, 158-163.	7.0	19
50	Electrochemically-driven direct joining of Ni and ZrO ₂ . <i>Scripta Materialia</i> , 2017, 141, 41-44.	5.2	19
51	A novel approach to the fabrication of lamellar Al ₂ O ₃ /6061Al composites with high-volume fractions of hard phases. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 754, 75-84.	5.6	19
52	Influence of matrix property and interfacial reaction on the mechanical performance and fracture mechanism of TiC reinforced Al matrix lamellar composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 775, 138956.	5.6	19
53	Mo ₂ C intermediate layers for graphite-Cu system using the molten salt method. <i>Fusion Engineering and Design</i> , 2011, 86, 2965-2970.	1.9	18
54	Effects of Fabrication Parameters on Interface of Zirconia and Ti-6Al-4V Joints Using Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ Amorphous Filler. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 2602-2609.	2.5	18

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55	A novel strategy for fabricating biomimetic gradient metal-ceramic composites by dynamic freeze casting and pressure infiltration. <i>Scripta Materialia</i> , 2019, 167, 101-104.	5.2	18
56	Wetting, Adhesion and Adsorption in Al-Si/(0112) α -Alumina System at 1723 K. <i>Materials Transactions</i> , 2004, 45, 2857-2863.	1.2	17
57	Effect of substrate surface orientation on the wettability and adhesion of α -Al ₂ O ₃ single crystals by molten Cu. <i>Journal of Materials Research</i> , 2005, 20, 940-951.	2.6	17
58	Reactive wetting of polycrystalline TiC by molten Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ metallic glass alloy. <i>Journal of Materials Research</i> , 2009, 24, 2420-2427.	2.6	17
59	3D long-range ordered porous ceramics prepared by a novel bidirectional freeze-casting technique. <i>Ceramics International</i> , 2018, 44, 5803-5806.	4.8	17
60	Electrically induced spreading of EGaIn on Cu substrate in an alkali solution under wetting and non-wetting conditions. <i>Applied Surface Science</i> , 2019, 490, 598-603.	6.1	17
61	Effects of ceramic lamellae compactness and interfacial reaction on the mechanical properties of nacre-inspired Al/Al ₂ O ₃ -ZrO ₂ composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 718, 326-334.	5.6	16
62	Polarity effects on the wettability and interfacial chemistry at Cu α -YSZ interface by applying a direct current. <i>Journal of the European Ceramic Society</i> , 2018, 38, 1790-1795.	5.7	16
63	Effect of components on the microstructures and properties of rare-earth zirconate ceramics prepared by ultrafast high-throughput sintering. <i>Journal of the European Ceramic Society</i> , 2021, 41, 5768-5773.	5.7	16
64	Surface Orientation and Wetting Phenomena in Si/ α -Alumina System at 1723 K. <i>Journal of the American Ceramic Society</i> , 2005, 88, 912-917.	3.8	15
65	Effect of temperature and surface roughness on the wettability of boron nitride by molten Al. <i>Journal of Materials Science</i> , 2007, 42, 3564-3568.	3.7	15
66	Wetting of polycrystalline W by molten Zr ₅₅ Al ₁₀ Ni ₅ Cu ₃₀ alloy. <i>Materials Chemistry and Physics</i> , 2009, 115, 322-327.	4.0	15
67	Hydrated precursor-assisted densification of hydroxyapatite and its composites by cold sintering. <i>Ceramics International</i> , 2021, 47, 14348-14353.	4.8	15
68	Wetting of polycrystalline MgO by molten Mg under evaporation. <i>Materials Chemistry and Physics</i> , 2010, 122, 290-294.	4.0	14
69	Synthesis of spherical NbB ₂ particles by controlling the stoichiometry. <i>CrystEngComm</i> , 2012, 14, 1925.	2.6	14
70	Wettability and reactivity between B ₄ C and molten Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ metallic glass alloy. <i>Materials Chemistry and Physics</i> , 2009, 117, 377-383.	4.0	13
71	Pinning α -depinning behavior in the wetting of (0 0 0 1) α -Al ₂ O ₃ single crystal by molten Mg. <i>Applied Surface Science</i> , 2011, 257, 10743-10747.	6.1	13
72	Wetting and adhesion at Mg/MgO interfaces. <i>Journal of Materials Science</i> , 2013, 48, 6008-6017.	3.7	13

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73	Influence of Grain Refiners on the Wettability of Al ₂ O ₃ Substrate by Aluminum Melt. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 382-392.	2.1	13
74	Synthesis and densification of hydroxyapatite by mechanochemically-activated reactive cold sintering. Scripta Materialia, 2021, 194, 113717.	5.2	13
75	One-step synthesis and densification of BaTiO ₃ by reactive cold sintering. Scripta Materialia, 2022, 213, 114628.	5.2	13
76	A study on laser sintering of Fe-Cu powder compacts. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1999, 30, 2229-2235.	2.2	12
77	Wetting of WC by a Zr-base metallic glass-forming alloy. Materials Chemistry and Physics, 2013, 139, 646-653.	4.0	12
78	High compressive strength in nacre-inspired Al ₇ Si ₅ Cu/Al ₂ O ₃ -ZrO ₂ composites at room and elevated temperatures by regulating interfacial reaction. Ceramics International, 2017, 43, 7369-7373.	4.8	12
79	Wettability of single crystalline and polycrystalline Al ₂ O ₃ substrates by Al-Si alloys over wide composition and temperature ranges. Journal of Materials Science, 2006, 41, 7159-7164.	3.7	11
80	Flash joining of 3YSZ and 430 SS using Ag-Cu filler. Ceramics International, 2022, 48, 4005-4014.	4.8	11
81	Temperature Dependence of the Wettability between Glass-Forming Alloy Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ and Polycrystalline ZrO ₂ . Journal of the American Ceramic Society, 2011, 94, 2162-2170.	3.8	10
82	Influences of electric current on the wettability and interfacial microstructure in Sn/Fe system. Applied Surface Science, 2015, 328, 380-386.	6.1	10
83	Nacre-inspired lightweight and high-strength AZ91D/Mg ₂ B ₂ O ₅ w composites prepared by ice templating and pressureless infiltration. Journal of Materials Science, 2018, 53, 12167-12177.	3.7	10
84	Fabrication and characterization of robust freeze-cast alumina scaffolds with dense ceramic walls and controllable pore sizes. Journal of Materials Science, 2019, 54, 5224-5235.	3.7	10
85	Preparation and characterization of high damage-tolerance nacre-inspired magnesium alloy matrix composites with high carbon nanotube contents. Carbon, 2020, 162, 382-391.	10.3	10
86	Construction of nacre-mimetic composites with a brick-and-mortar architecture based on structural defects in ice-templating. Materials and Design, 2021, 204, 109668.	7.0	10
87	Reactive wetting of amorphous silica by molten Al-Mg alloys and their interfacial structures. Applied Surface Science, 2016, 377, 340-348.	6.1	9
88	Evaporation-coupled wetting of ZrO ₂ by molten Mg in Ar atmosphere. Applied Physics A: Materials Science and Processing, 2010, 98, 601-607.	2.3	8
89	Formation mechanism and control of a large-scale lamellar structure in freeze-cast Al ₂ O ₃ ceramics under dual temperature gradients. Journal of the European Ceramic Society, 2018, 38, 2605-2611.	5.7	8
90	3D highly oriented metal foam: a competitive self-supporting anode for high-performance lithium-ion batteries. Journal of Materials Science, 2020, 55, 11462-11476.	3.7	8

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91	Wetting of microcrystalline and nanocrystalline Ni substrates by molten Sn ^{3.5} Ag ^{0.7} Cu alloy. <i>Materials Letters</i> , 2010, 64, 2454-2457.	2.6	7
92	Warping of triple line in the wetting of B ₄ C by a Cu ¹ at.% Cr alloy. <i>Surface and Interface Analysis</i> , 2011, 43, 1360-1364.	1.8	7
93	DC-assisted rapid wetting of 3Y-PSZ by molten 72Ag ²⁸ Cu and its application in joining. <i>Journal of the European Ceramic Society</i> , 2019, 39, 2132-2139.	5.7	7
94	Effect of freeze speed on the microstructure and damage-tolerance behavior of bio-inspired ZL205A/silicon carbide composites. <i>Materials Characterization</i> , 2019, 147, 207-214.	4.4	7
95	Exploiting bio-inspired high energy-absorbent metal/ceramic composites through emulsion-ice-templating and melt infiltration. <i>Materialia</i> , 2020, 14, 100884.	2.7	7
96	Flash sintering of 3YSZ and in-situ joining with 304 stainless steel using copper as an interlayer. <i>Scripta Materialia</i> , 2021, 194, 113709.	5.2	7
97	Reaction Behavior and Mechanism during Self-Propagating High-Temperature Synthesis Reaction in an Al-TiO ₂ -B ₄ C System. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2008, 39, 613-618.	2.1	6
98	Wetting of Polycrystalline $\hat{\alpha}$ -Al ₂ O ₃ by Molten Mg in Ar Atmosphere. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010, 41, 1621-1626.	2.2	6
99	Wettability of amorphous and nanocrystalline Fe ₇₈ B ₁₃ Si ₉ substrates by molten Sn and Bi. <i>Nanoscale Research Letters</i> , 2011, 6, 318.	5.7	6
100	Wetting of (0001) $\hat{\alpha}$ -alumina single crystals by molten Mg ^{Al} alloys in the presence of evaporation. <i>Journal of Materials Science</i> , 2012, 47, 8372-8380.	3.7	6
101	Wire ^{powder} -arc additive manufacturing: A viable strategy to fabricate carbide ceramic/aluminum alloy multi-material structures. <i>Additive Manufacturing</i> , 2022, 51, 102637.	3.0	6
102	Effect of reactant C/Ti ratio on the stoichiometry of Combustion-synthesized TiC _x in Ti-C system. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 525-528.	1.1	5
103	Wetting of Cu substrates with micrometer and nanometer grains by molten Sn ^{3.5} Ag ^{0.7} Cu alloy. <i>Surface and Interface Analysis</i> , 2010, 42, 1681-1684.	1.8	5
104	Wetting and reaction of molten La with poly- and mono-crystalline MgO at 1323ÅK. <i>Journal of Materials Science</i> , 2013, 48, 960-966.	3.7	5
105	Electrochemically driven rapid wetting of 3YSZ by 60Cu ⁴⁰ Ag and its robust joining to 304 stainless steel. <i>Journal of the European Ceramic Society</i> , 2020, 40, 4281-4289.	5.7	5
106	Bio-inspired lamellar hydroxyapatite/magnesium composites prepared by directional freezing and pressureless infiltration. <i>Ceramics International</i> , 2021, 47, 11183-11192.	4.8	5
107	Ultrafast and robust joining of 3YSZ and GH3128 superalloy using Cu interlayer under an electric field. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161893.	5.5	5
108	Effect of substrate annealing on the wetting of metastable BNi-2 ribbons by molten Sn. <i>Journal of Applied Physics</i> , 2010, 107, 094901.	2.5	4

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109	Current-driven spontaneous infiltration of molten Al into a porous PSZ preform with a lamellar structure. <i>Materials Letters</i> , 2018, 216, 212-215.	2.6	4
110	High Wear-Resistant Aluminum Matrix Composite Layer Fabricated by MIG Welding with Lateral B4C Powder Injection. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 5700-5708.	2.5	4
111	$\text{Al}^{52}\text{Si}^{15}\text{Cu}/\text{Al}_2\text{O}_3/\text{ZrO}_2$ Laminated Composites with Excellent and Anisotropic Wear Resistance. <i>Advanced Engineering Materials</i> , 2018, 20, 1800540.	3.5	4
112	Surface hydrate-assisted low- and medium-temperature sintering of MgO. <i>Scripta Materialia</i> , 2022, 206, 114258.	5.2	4
113	Pulsed current-driven wetting of 3YSZ by liquid Cu and its mechanisms. <i>Journal of the European Ceramic Society</i> , 2022, 42, 552-560.	5.7	4
114	Lamellar and interpenetrated Al/(Al ₂ O ₃ -TiC) composites prepared by bidirectional freeze casting and melt infiltration. <i>Ceramics International</i> , 2022, , .	4.8	4
115	Effect of TiO ₂ addition on the combustion synthesis in the Ti-B ₄ C system. <i>Journal of Materials Research</i> , 2008, 23, 1327-1333.	2.6	3
116	Wetting of amorphous and nanocrystalline Ni ₇₅ B ₁₅ Si ₁₀ substrates by molten Sn. <i>Surface and Interface Analysis</i> , 2013, 45, 854-858.	1.8	3
117	The influence of surface orientation on the wetting and reaction at the Al/MgAl ₂ O ₄ interfaces. <i>Ceramics International</i> , 2019, 45, 24031-24036.	4.8	3
118	Influences of Si and Ti on the wettability and reactivity of Al/graphite system at 900 °C. <i>Materialia</i> , 2021, 16, 101060.	2.7	3
119	Cold sintering of chitosan/hydroxyapatite composites. <i>Materialia</i> , 2022, 21, 101294.	2.7	3
120	Roles of direct current in ultrafast wetting of 3YSZ by Sn _{3.0} Ag _{0.5} Cu and joining to Ni. <i>Materialia</i> , 2019, 7, 100399.	2.7	2
121	Wettability and reactivity between molten aluminum and randomly aligned carbon nanotubes. <i>Journal of Materials Science</i> , 2021, 56, 7799-7810.	3.7	2
122	Role of Si in the wetting of TiC by Al. <i>Journal of Materials Science</i> , 2021, 56, 7791-7798.	3.7	2
123	Reactive wetting of high-entropy (La _{0.2} Nd _{0.2} Sm _{0.2} Eu _{0.2} Gd _{0.2}) ₂ Zr ₂ O ₇ ceramic by molten 71Ag-27Cu-2Ti alloy at 1073-1273 K. <i>Journal of the European Ceramic Society</i> , 2021, 41, 5644-5649.	5.7	2
124	Electrochemical wetting of 3YSZ by Cu and ultrafast joining with a Ni-based superalloy. <i>Journal of the European Ceramic Society</i> , 2022, 42, 1113-1120.	5.7	2
125	DC-driven ultrafast transient liquid phase bonding of 3YSZ and GH3128 superalloy using Ni interlayer. <i>Journal of the American Ceramic Society</i> , 2022, 105, 5649-5663.	3.8	2
126	Role of Fe incorporation in the self-propagating high-temperature synthesis reaction in an Al-Ti-B ₄ C system. <i>Journal of Materials Research</i> , 2009, 24, 2066-2078.	2.6	1

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127	Effect of structural transition in an amorphous Ni ₈₀ P ₂₀ alloy on the wetting by a eutectic Sn-Bi solder. Journal of Materials Science, 2014, 49, 2932-2942.	3.7	1
128	EFFECT OF Al CONTENT ON THE COMBUSTION SYNTHESIS OF (TiB ₂ -Al ₂ O ₃)/Al PRODUCTS FROM AN Al-TiO ₂ -B ₂ O ₃ SYSTEM. International Journal of Modern Physics B, 2010, 24, 3203-3208.	2.0	0
129	Effect of Tempering on Microstructure and Mechanical Properties in a Multiphase ZrCuAlNiO Alloy. ISIJ International, 2008, 48, 984-987.	1.4	0
130	Intrinsic Wettability and Wetting Dynamics in the Al/a-Al ₂ O ₃ System. Ceramic Transactions, 0, , 113-119.	0.1	0
131	Role of Si in the Wetting of $\hat{\pm}$ -SiC by Al. , 2013, , 1493-1500.		0