

Chun Li

List of Publications by Year in descending order

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56
papers

1,647
citations

394421

19
h-index

289244

40
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56
all docs

56
docs citations

56
times ranked

1824
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and mechanical properties of Al ₂ O ₃ ceramic joints achieved by Ag ₂ SiO ₂ braze in air. International Journal of Applied Ceramic Technology, 2022, 19, 508-513.	2.1	2
2	Brazing C/C composites to DD3 alloy with a novel Ag-Cr active braze. Ceramics International, 2022, 48, 15090-15097.	4.8	19
3	Silver particle interlayer with high dislocation density for improving the joining of BaZr _{0.1} Ce _{0.7} Y _{0.1} O ₃ - electrolyte and AISI 441 interconnect. Journal of Materiomics, 2022, 8, 1001-1008.	5.7	3
4	Brazing ZTA ceramic and Ti6Al4V alloy directly in air: Excellent oxidation resistance at 800°C. Ceramics International, 2022, 48, 9631-9639.	4.8	5
5	Vacuum brazing of AlON and Ti2AlNb with LiAlSiO4 enhanced Ag-Cu-Ti composite fillers: Microstructure, mechanical properties and measurement of residual stress. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 846, 143277.	5.6	13
6	Y2W3O12@SiO2 composite particles for regulating thermal expansion and interfacial reactions in BaZr _{0.1} Ce _{0.7} Y _{0.1} O ₃ /AISI 441 joints. Composites Part B: Engineering, 2022, 242, 110108.	12.0	6
7	Interfacial reaction and brazing behaviour of SiCf/SiC with Cf/C composites using Si-10Zr alloy at high temperatures. Journal of the European Ceramic Society, 2021, 41, 1142-1150.	5.7	14
8	Bioinspired Metal-Intermetallic Laminated Composites for the Fabrication of Superhydrophobic Surfaces with Responsive Wettability. ACS Applied Materials & Interfaces, 2021, 13, 5834-5843.	8.0	10
9	Microstructure evolution and mechanical properties of Co coated AISI 441 ferritic stainless steel/ YSZ reactive air brazed joint. International Journal of Hydrogen Energy, 2021, 46, 8758-8766.	7.1	12
10	Surface synthesis of aluminum borate whiskers on the ZTA ceramics and its application to joining. Ceramics International, 2021, 47, 11269-11275.	4.8	6
11	Self-Assembly Lightweight Honeycomb-Like Prussian Blue Analogue on Cu Foam for Lithium Metal Anode. ACS Applied Materials & Interfaces, 2021, 13, 23803-23810.	8.0	19
12	Wetting of Si ₁₄ Ti alloy on SiCf/SiC and C/C composites and their brazed joint at high temperatures. Ceramics International, 2021, 47, 13845-13852.	4.8	16
13	Ultrahigh Thermoelectric Performance in Environmentally Friendly SnTe Achieved through Stress-Induced Lotus-Like Grain Boundaries. Advanced Functional Materials, 2021, 31, 2101554.	14.9	43
14	Oriented Attachment Strategy Toward Enhancing Ionic Conductivity in Garnet-Type Electrolytes for Solid-State Lithium Batteries. ACS Applied Materials & Interfaces, 2021, 13, 34385-34396.	8.0	20
15	Joining the BaZr _{0.1} Ce _{0.7} Y _{0.1} O ₃ - Electrolyte to AISI 441 Interconnect for Protonic Ceramic Fuel Cell Applications: Interfacial Microstructure and Long-Term Stability. ACS Applied Energy Materials, 2021, 4, 7346-7354.	5.1	10
16	All-in-One Sulfur Host: Smart Controls of Architecture and Composition for Accelerated Liquid-Solid Redox Conversion in Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2021, 13, 39424-39434.	8.0	22
17	Joining of Al ₂ O ₃ to ZTA using a B ₂ O ₃ -Al ₂ O ₃ -SiO ₂ glass with in-situ precipitated whiskers. Ceramics International, 2021, 47, 25541-25550.	4.8	6
18	The role of active Cu interlayer in adjusting the interfacial reaction and microstructure of Cf/C-DD3 joints. Journal of Manufacturing Processes, 2021, 71, 168-177.	5.9	2

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19	A novel Ag-CuAlO ₂ sealant for reactive air brazing of 3YSZ and AISI 310S. <i>Ceramics International</i> , 2021, 47, 31413-31422.	4.8	9
20	Active brazing of C/C composites and single crystal Ni-based superalloy: Interfacial microstructure and formation mechanism. <i>Journal of Alloys and Compounds</i> , 2021, 886, 161183.	5.5	18
21	Reactive Air Brazing of TiAl Alloy Using Ag-CuO: Microstructure and Joint Properties. <i>Crystals</i> , 2021, 11, 1496.	2.2	2
22	Joining 3YSZ Electrolyte to AISI 441 Interconnect Using the Ag Particle Interlayer: Enhanced Mechanical and Aging Properties. <i>Crystals</i> , 2021, 11, 1573.	2.2	3
23	Single-crystalline silver nanowire arrays directly synthesized onto substrates by template-assisted chemical wetting. <i>Materialia</i> , 2020, 9, 100529.	2.7	8
24	In situ TiSi ₂ microarray reinforced Si-Ti eutectic colonies in Cf/C composite joints for high-temperature application. <i>Ceramics International</i> , 2020, 46, 10495-10502.	4.8	8
25	Sea urchin-like CuCo ₂ S ₄ microspheres with a controllable interior structure as advanced electrode materials for high-performance supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 603-609.	6.0	20
26	Highly conductive Mn ₃ O ₄ /MnS heterostructures building multi-shelled hollow microspheres for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 392, 123890.	12.7	54
27	Microstructure and mechanical properties of the AlON / Ti ₆ Al ₄ V active element brazing joint. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 793, 139859.	5.6	18
28	Wetting and brazing of Cf/C composites with Si-Zr eutectic alloys: The formation of nano- and coarse-SiC reaction layers. <i>Carbon</i> , 2020, 167, 92-103.	10.3	31
29	Mechanical durable ceria superhydrophobic coating fabricated by simple hot-press sintering. <i>Applied Surface Science</i> , 2020, 529, 147113.	6.1	6
30	Joining Alumina and Sapphire by Growing Aluminium Borate Whiskers In-Situ, and the Whiskers' Orientation Relationship with the Sapphire Substrate. <i>Materials</i> , 2020, 13, 175.	2.9	2
31	Measurements and understanding of the stiffness of an air plasma sprayed thermal barrier coating. <i>Surface and Coatings Technology</i> , 2020, 394, 125678.	4.8	13
32	Brazing YSZ ceramics by a novel SiO ₂ nanoparticles modified Ag filler. <i>Ceramics International</i> , 2020, 46, 16493-16501.	4.8	23
33	Oxidation behavior of ferritic stainless steel interconnect coated by a simple diffusion bonded cobalt protective layer for solid oxide fuel cells. <i>Corrosion Science</i> , 2020, 172, 108739.	6.6	16
34	Microstructure and mechanical properties of the SiC/Nb joint brazed using AgCuTi+B ₄ C composite filler metal. <i>International Journal of Refractory Metals and Hard Materials</i> , 2019, 85, 105049.	3.8	16
35	Bifunctional Electrocatalysts Based on Mo-Doped NiCoP Nanosheet Arrays for Overall Water Splitting. <i>Nano-Micro Letters</i> , 2019, 11, 55.	27.0	125
36	Residual stress distribution as a function of depth in graphite/copper brazing joints via X-ray diffraction. <i>Journal of Materials Science and Technology</i> , 2019, 35, 2470-2476.	10.7	18

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37	Oxygen-vacancy-rich nickel-cobalt layered double hydroxide electrode for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 59-65.	9.4	70
38	Understanding the Effect of Surface Machining on the YSZ/Ti6Al4V Joint via Image Based Modelling. <i>Scientific Reports</i> , 2019, 9, 12027.	3.3	6
39	Mn and S dual-doping of MOF-derived Co ₃ O ₄ electrode array increases the efficiency of electrocatalytic generation of oxygen. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 28-33.	9.4	26
40	Designing oxygen bonding between reduced graphene oxide and multishelled Mn ₃ O ₄ hollow spheres for enhanced performance of supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6686-6694.	10.3	103
41	Joining of yttria stabilised zirconia to Ti6Al4V alloy using novel CuO nanostructure reinforced Cu foam interlayer. <i>Materials Letters</i> , 2019, 253, 105-108.	2.6	9
42	Defect-Rich Heterogeneous MoS ₂ /NiS ₂ Nanosheets Electrocatalysts for Efficient Overall Water Splitting. <i>Advanced Science</i> , 2019, 6, 1900246.	11.2	468
43	“One-for-All” strategy to design oxygen-deficient triple-shelled MnO ₂ and hollow Fe ₂ O ₃ microcubes for high energy density asymmetric supercapacitors. <i>Dalton Transactions</i> , 2019, 48, 8623-8632.	3.3	23
44	Determination of local residual stress in an air plasma spray thermal barrier coating (APS-TBC) by microscale ring coring using a picosecond laser. <i>Scripta Materialia</i> , 2019, 167, 126-130.	5.2	14
45	Interfacial microstructure and mechanical properties of SiC joints achieved by reactive air brazing using Ag-V ₂ O ₅ filler. <i>Journal of the European Ceramic Society</i> , 2019, 39, 2617-2625.	5.7	28
46	Characterization of hydrogenated niobium interlayer and its application in TiAl/Ti ₂ AlNb diffusion bonding. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 6929-6937.	7.1	18
47	Non-destructive measurement of residual stress distribution as a function of depth in sapphire/Ti6Al4V brazing joint via Raman spectra. <i>Ceramics International</i> , 2019, 45, 3284-3289.	4.8	14
48	Comparison of the oxidation behavior of a zirconium nitride coating in water vapor and air at high temperature. <i>Corrosion Science</i> , 2018, 138, 242-251.	6.6	31
49	Brazing ZTA ceramic to TC4 alloy using the Cu foam as interlayer. <i>Vacuum</i> , 2018, 155, 7-15.	3.5	42
50	Pre-infiltration and brazing behaviors of Cf/C composites with high temperature Ti Si eutectic alloy. <i>Carbon</i> , 2018, 140, 57-67.	10.3	43
51	Understanding the residual stress distribution through the thickness of atmosphere plasma sprayed (APS) thermal barrier coatings (TBCs) by high energy synchrotron XRD; digital image correlation (DIC) and image based modelling. <i>Acta Materialia</i> , 2017, 132, 1-12.	7.9	80
52	Residual stress distribution analysis of heat treated APS TBC using image based modelling. <i>Data in Brief</i> , 2017, 13, 557-561.	1.0	4
53	Microstructure Evolution of Alumina/Alumina Joint Bonded by Boron Oxide-Alumina Nonmetal Powder Interlayer. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, 652-657.	2.1	17
54	Combustion joining of carbon-carbon composites to TiAl intermetallics using a Ti-Al-C powder composite interlayer. <i>Composites Science and Technology</i> , 2015, 115, 72-79.	7.8	33

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55	The corrosion resistance of porous Ni-Ti alloys in seawater. International Journal of Modern Physics B, 0, , .	2.0	0
56	Joining of C-C composite with BNi-1a. International Journal of Modern Physics B, 0, , .	2.0	0