

Junlei Qi

List of Publications by Year in descending order

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175
papers

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38738

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Defect-Rich Heterogeneous MoS ₂ /NiS ₂ Nanosheets Electrocatalysts for Efficient Overall Water Splitting. <i>Advanced Science</i> , 2019, 6, 1900246.	11.2	468
2	Hierarchical NiCo-LDH@NiOOH core-shell heterostructure on carbon fiber cloth as battery-like electrode for supercapacitor. <i>Journal of Power Sources</i> , 2018, 378, 248-254.	7.8	349
3	Enhancing Catalytic Activity of Titanium Oxide in Lithium-Sulfur Batteries by Band Engineering. <i>Advanced Energy Materials</i> , 2019, 9, 1900953.	19.5	326
4	Hierarchical CuCo ₂ S ₄ @NiMn-layered double hydroxide core-shell hybrid arrays as electrodes for supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 336, 562-569.	12.7	236
5	Hierarchical NiCo-LDH/NiCoP@NiMn-LDH hybrid electrodes on carbon cloth for excellent supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15040-15046.	10.3	233
6	Activating and optimizing the activity of NiCoP nanosheets for electrocatalytic alkaline water splitting through the V doping effect enhanced by P vacancies. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24486-24492.	10.3	227
7	Heterostructural Graphene Quantum Dot/MnO ₂ Nanosheets toward High-Potential Window Electrodes for High-Performance Supercapacitors. <i>Advanced Science</i> , 2018, 5, 1700887.	11.2	215
8	Interlaced Ni-Co LDH nanosheets wrapped Co ₉ S ₈ nanotube with hierarchical structure toward high performance supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 351, 348-355.	12.7	197
9	Simultaneously Realizing Rapid Electron Transfer and Mass Transport in Jellyfish-Like Mott-Schottky Nanoreactors for Oxygen Reduction Reaction. <i>Advanced Functional Materials</i> , 2020, 30, 1910482.	14.9	173
10	Core-branched CoSe ₂ /Ni _{0.85} Se nanotube arrays on Ni foam with remarkable electrochemical performance for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19151-19158.	10.3	171
11	Atomic scale insights into structure instability and decomposition pathway of methylammonium lead iodide perovskite. <i>Nature Communications</i> , 2018, 9, 4807.	12.8	161
12	Nanoarchitected Design of Vertical Standing Arrays for Supercapacitors: Progress, Challenges, and Perspectives. <i>Advanced Functional Materials</i> , 2021, 31, 2006030.	14.9	150
13	Bamboo-like amorphous carbon nanotubes clad in ultrathin nickel oxide nanosheets for lithium-ion battery electrodes with long cycle life. <i>Carbon</i> , 2015, 84, 491-499.	10.3	145
14	Field Emission from a Composite of Graphene Sheets and ZnO Nanowires. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9164-9168.	3.1	127
15	Bifunctional Electrocatalysts Based on Mo-Doped NiCoP Nanosheet Arrays for Overall Water Splitting. <i>Nano-Micro Letters</i> , 2019, 11, 55.	27.0	125
16	A composite solid polymer electrolyte incorporating MnO ₂ nanosheets with reinforced mechanical properties and electrochemical stability for lithium metal batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2021-2032.	10.3	118
17	In Situ Synthesis of Vertical Standing Nanosized NiO Encapsulated in Graphene as Electrodes for High-Performance Supercapacitors. <i>Advanced Science</i> , 2018, 5, 1700687.	11.2	117
18	Rational constructing free-standing Se doped nickel-cobalt sulfides nanotubes as battery-type electrode for high-performance supercapattery. <i>Journal of Power Sources</i> , 2018, 407, 6-13.	7.8	110

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19	<i>In situ</i> encapsulated Fe ₃ O ₄ nanosheet arrays with graphene layers as an anode for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24594-24601.	10.3	105
20	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
21	Rational construction of nickel cobalt sulfide nanoflakes on CoO nanosheets with the help of carbon layer as the battery-like electrode for supercapacitors. <i>Journal of Power Sources</i> , 2017, 362, 64-72.	7.8	99
22	Flexible and High-Loading Lithium-Sulfur Batteries Enabled by Integrated Three-Dimensional Fibrous Membranes. <i>Advanced Energy Materials</i> , 2019, 9, 1902001.	19.5	98
23	Few-layer MoS ₂ anchored at nitrogen-doped carbon ribbons for sodium-ion battery anodes with high rate performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17963-17972.	10.3	93
24	Crystalline molybdenum carbide/amorphous molybdenum oxide heterostructures: In situ surface reconfiguration and electronic states modulation for Li-S batteries. <i>Energy Storage Materials</i> , 2022, 47, 345-353.	18.0	92
25	Three-dimensional graphene-reinforced Cu foam interlayer for brazing C/C composites and Nb. <i>Carbon</i> , 2017, 118, 723-730.	10.3	88
26	Modification strategies on transition metal-based electrocatalysts for efficient water splitting. <i>Journal of Energy Chemistry</i> , 2021, 58, 446-462.	12.9	88
27	Partial sulfuration-induced defect and interface tailoring on bismuth oxide for promoting electrocatalytic CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2472-2480.	10.3	82
28	Controlled synthesis of MOF-derived quadruple-shelled CoS ₂ hollow dodecahedrons as enhanced electrodes for supercapacitors. <i>Electrochimica Acta</i> , 2019, 312, 54-61.	5.2	81
29	Corrosion behavior of stainless steel-tungsten carbide joints brazed with AgCuX (X=In, Ti) alloys. <i>Corrosion Science</i> , 2022, 200, 110231.	6.6	80
30	Blowing Iron Chalcogenides into Two-Dimensional Flaky Hybrids with Superior Cyclability and Rate Capability for Potassium-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 2506-2519.	14.6	79
31	P-Doped NiCo ₂ S ₄ nanotubes as battery-type electrodes for high-performance asymmetric supercapacitors. <i>Dalton Transactions</i> , 2018, 47, 8771-8778.	3.3	75
32	Relatively low temperature synthesis of graphene by radio frequency plasma enhanced chemical vapor deposition. <i>Applied Surface Science</i> , 2011, 257, 6531-6534.	6.1	73
33	Vertically oriented few-layer graphene-nanocup hybrid structured electrodes for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12396-12403.	10.3	73
34	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
35	Designing and constructing core-shell NiCo ₂ S ₄ @Ni ₃ S ₂ on Ni foam by facile one-step strategy as advanced battery-type electrodes for supercapattery. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 456-462.	9.4	70
36	Ar plasma treatment on few layer graphene sheets for enhancing their field emission properties. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 055302.	2.8	69

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37	Controllable synthesis of core-branch Ni ₃ S ₂ /Co ₉ S ₈ directly on nickel foam as an efficient bifunctional electrocatalyst for overall water splitting. <i>Journal of Power Sources</i> , 2018, 401, 329-335.	7.8	69
38	Dense Crystalline/Amorphous Interfacial Sites for Enhanced Electrocatalytic Oxygen Evolution. <i>Advanced Functional Materials</i> , 2022, 32, 2107056.	14.9	69
39	Iron Selenide Microcapsules as Universal Conversion-Typed Anodes for Alkali Metal-Ion Batteries. <i>Small</i> , 2021, 17, e2005745.	10.0	66
40	Mesostructured Carbon Nanotube-on-MnO ₂ Nanosheet Composite for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38963-38969.	8.0	65
41	A high-performance supercapacitor of vertically-oriented few-layered graphene with high-density defects. <i>Nanoscale</i> , 2015, 7, 3675-3682.	5.6	63
42	Microstructures and tensile behavior of carbon nanotubes reinforced Cu matrix composites with molecular-level dispersion. <i>Materials & Design</i> , 2012, 34, 298-301.	5.1	60
43	Field Emission Properties of Hybrid Carbon Nanotube/ZnO Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 17702-17708.	3.1	58
44	S doped NiCo ₂ O ₄ nanosheet arrays by Ar plasma: An efficient and bifunctional electrode for overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 34-39.	9.4	57
45	Sandwich-like structured NiSe ₂ /Ni ₂ P@FeP interface nanosheets with rich defects for efficient electrocatalytic water splitting. <i>Journal of Power Sources</i> , 2020, 445, 227294.	7.8	56
46	Hierarchical CuCo ₂ O ₄ @NiMoO ₄ core-shell hybrid arrays as a battery-like electrode for supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1575-1581.	6.0	55
47	Interlayer design to control interfacial microstructure and improve mechanical properties of active brazed Invar/SiO ₂ /BN joint. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 575, 199-205.	5.6	54
48	Nanosized core-shell structured graphene/MnO ₂ nanosheet arrays as stable electrodes for superior supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10678-10686.	10.3	54
49	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
50	Low resistance VFG-Microporous hybrid Al-based electrodes for supercapacitors. <i>Nano Energy</i> , 2016, 26, 657-667.	16.0	52
51	A CoMoO ₄ @Co ₂ Mo ₃ O ₈ heterostructure with valence-rich molybdenum for a high-performance hydrogen evolution reaction in alkaline solution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16761-16769.	10.3	50
52	Free-standing porous Ni ₂ P-Ni ₅ P ₄ heterostructured arrays for efficient electrocatalytic water splitting. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 332-336.	9.4	49
53	W doping dominated NiO/Ni ₃ S ₂ interfaced nanosheets for highly efficient overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 363-369.	9.4	47
54	Fe doped Ni ₅ P ₄ nanosheet arrays with rich P vacancies via phase transformation for efficient overall water splitting. <i>Nanoscale</i> , 2020, 12, 6204-6210.	5.6	47

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55	Engineering Se vacancies to promote the intrinsic activities of P doped NiSe ₂ nanosheets for overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2020, 571, 260-266.	9.4	47
56	Control interfacial microstructure and improve mechanical properties of TC4-SiO ₂ f/SiO ₂ joint by AgCuTi with Cu foam as interlayer. <i>Ceramics International</i> , 2016, 42, 16619-16625.	4.8	46
57	Modifying the electrochemical performance of vertically-oriented few-layered graphene through rotary plasma processing. <i>Journal of Materials Chemistry A</i> , 2018, 6, 908-917.	10.3	46
58	Welding and Joining of Titanium Aluminides. <i>Materials</i> , 2014, 7, 4930-4962.	2.9	45
59	Hierarchical Fe ₂ O ₃ and NiO nanotube arrays as advanced anode and cathode electrodes for high-performance asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 794, 255-260.	5.5	45
60	Au nanoparticle-decorated NiCo ₂ O ₄ nanoflower with enhanced electrocatalytic activity toward methanol oxidation. <i>Journal of Alloys and Compounds</i> , 2018, 732, 460-469.	5.5	44
61	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
62	Rich P vacancies modulate Ni ₂ P/Cu ₃ P interfaced nanosheets for electrocatalytic alkaline water splitting. <i>Journal of Colloid and Interface Science</i> , 2020, 564, 37-42.	9.4	43
63	Atomic structure and migration dynamics of MoS ₂ /Li _x MoS ₂ interface. <i>Nano Energy</i> , 2018, 48, 560-568.	16.0	42
64	Brazing ZTA ceramic to TC4 alloy using the Cu foam as interlayer. <i>Vacuum</i> , 2018, 155, 7-15.	3.5	42
65	Characterization of Al/Ni multilayers and their application in diffusion bonding of TiAl to TiC cermet. <i>Thin Solid Films</i> , 2012, 520, 3528-3531.	1.8	41
66	Promoting Bifunctional Water Splitting by Modification of the Electronic Structure at the Interface of NiFe Layered Double Hydroxide and Ag. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26055-26063.	8.0	41
67	Origin of low dielectric loss and giant dielectric response in (Nb+Al) co-doped strontium titanate. <i>Journal of the American Ceramic Society</i> , 2018, 101, 5089-5097.	3.8	40
68	Exploring CoP core-shell nanosheets by Fe and Zn dual cation doping as efficient electrocatalysts for overall water splitting. <i>Catalysis Science and Technology</i> , 2020, 10, 1395-1400.	4.1	40
69	Ultrathin NiFe-layered double hydroxide decorated NiCo ₂ O ₄ arrays with enhanced performance for supercapacitors. <i>Applied Surface Science</i> , 2019, 465, 929-936.	6.1	38
70	In-Situ synthesized TiC nano-flakes reinforced C/C composite-Nb brazed joint. <i>Journal of the European Ceramic Society</i> , 2018, 38, 1059-1068.	5.7	37
71	Amorphous Iron(III)-Borate Nanolattices as Multifunctional Electrodes for Self-Driven Overall Water Splitting and Rechargeable Zinc-Air Battery. <i>Small</i> , 2018, 14, e1802829.	10.0	37
72	Rational construction of core-shell Ni ₃ S ₂ @Ni(OH) ₂ nanostructures as battery-like electrodes for supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1985-1991.	6.0	37

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73	Microwave-assisted fast synthesis of hierarchical NiCo ₂ O ₄ nanoflower-like supported Ni(OH) ₂ nanoparticles with an enhanced electrocatalytic activity towards methanol oxidation. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 172-182.	6.0	36
74	C/SiC composite-Ti6Al4V joints brazed with negative thermal expansion ZrP ₂ WO ₁₂ nanoparticle reinforced AgCu alloy. <i>Journal of the European Ceramic Society</i> , 2019, 39, 755-761.	5.7	36
75	Combustion synthesis of TiAl intermetallics and their simultaneous joining to carbon/carbon composites. <i>Scripta Materialia</i> , 2011, 65, 261-264.	5.2	35
76	Designed formation of NiO@C@Cu ₂ O hybrid arrays as battery-like electrode with enhanced electrochemical performances. <i>Ceramics International</i> , 2017, 43, 15410-15417.	4.8	35
77	Origin of high dielectric permittivity and low dielectric loss of Sr _{0.985} Ce _{0.01} TiO ₃ ceramics under different sintering atmospheres. <i>Journal of Alloys and Compounds</i> , 2019, 782, 51-58.	5.5	35
78	In situ synthesis of core-shell vanadium nitride@N-doped carbon microsheet sponges as high-performance anode materials for solid-state supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 122-129.	9.4	34
79	A free-standing manganese cobalt sulfide@cobalt nickel layered double hydroxide core-shell heterostructure for an asymmetric supercapacitor. <i>Dalton Transactions</i> , 2020, 49, 196-202.	3.3	34
80	Optimize the electrocatalytic performances of NiCoP for water splitting by the synergic effect of S dopant and P vacancy. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 16161-16168.	7.1	34
81	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
82	Cerium doped strontium titanate with stable high permittivity and low dielectric loss. <i>Journal of Alloys and Compounds</i> , 2019, 772, 1105-1112.	5.5	33
83	Processing, microstructure and mechanical properties of vacuum-brazed Al ₂ O ₃ /Ti6Al4V joints. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 535, 62-67.	5.6	32
84	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
85	Graphene-enhanced Cu composite interlayer for contact reaction brazing aluminum alloy 6061. <i>Vacuum</i> , 2017, 136, 142-145.	3.5	30
86	Emerging elemental two-dimensional materials for energy applications. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18793-18817.	10.3	30
87	Regulating the interfacial reaction of Sc ₂ W ₃ O ₁₂ /AgCuTi composite filler by introducing a carbon barrier layer. <i>Carbon</i> , 2022, 191, 290-300.	10.3	30
88	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
89	Ultra-lightweight ion-sieving membranes for high-rate lithium sulfur batteries. <i>Chemical Engineering Journal</i> , 2022, 430, 132698.	12.7	28
90	A fast micro-nano liquid layer induced construction of scaled-up oxyhydroxide based electrocatalysts for alkaline water splitting. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26777-26787.	10.3	27

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91	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
92	Carbon nanotubes-reinforced Ni foam interlayer for brazing SiO ₂ -BN with Ti6Al4V alloy using TiZrNiCu brazing alloy. <i>Ceramics International</i> , 2018, 44, 3684-3691.	4.8	24
93	Joining of SiO ₂ /BN ceramic to Nb using a CNT-reinforced brazing alloy. <i>RSC Advances</i> , 2014, 4, 64238-64243.	3.6	23
94	Fabrication of 3D Ni nanosheet array on Crofer22APU interconnect and NiO-YSZ anode support to sinter with small-size Ag nanoparticles for low-temperature sealing SOFCs. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 2977-2989.	7.1	23
95	“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
96	Brazing YSZ ceramics by a novel SiO ₂ nanoparticles modified Ag filler. <i>Ceramics International</i> , 2020, 46, 16493-16501.	4.8	23
97	Root-like C/SiC surface structure fabricated by the thermal and electrochemical corrosion for brazing to Nb. <i>Composites Part B: Engineering</i> , 2021, 218, 108942.	12.0	22
98	All-in-One Sulfur Host: Smart Controls of Architecture and Composition for Accelerated Liquid-Solid Redox Conversion in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 39424-39434.	8.0	22
99	Synthesis of graphene on a Ni film by radio-frequency plasma-enhanced chemical vapor deposition. <i>Science Bulletin</i> , 2012, 57, 3040-3044.	1.7	21
100	In situ consume excessive Ti element and form fine Ti based compounds as reinforcements for strengthening C/C-TC4 joints. <i>Vacuum</i> , 2017, 143, 303-311.	3.5	21
101	Spontaneously Formed Mott-Schottky Electrocatalyst for Lithium-Sulfur Batteries. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902092.	3.7	21
102	Plasma treatment on SiO ₂ /SiO ₂ composites for their assisted brazing with Nb. <i>Vacuum</i> , 2016, 123, 136-139.	3.5	20
103	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
104	MCo ₂ O ₄ (M=Co, Mn, Ni, Zn) nanosheet arrays constructed by two-dimension metal-organic frameworks as binder-free electrodes for lithium-ion batteries. <i>Vacuum</i> , 2019, 169, 108959.	3.5	19
105	Self-Assembly Lightweight Honeycomb-Like Prussian Blue Analogue on Cu Foam for Lithium Metal Anode. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23803-23810.	8.0	19
106	Brazing C/C composites to DD3 alloy with a novel Ag-Cr active braze. <i>Ceramics International</i> , 2022, 48, 15090-15097.	4.8	19
107	A general strategy to construct N-doped carbon-confined MoO ₂ and MnO for high-performance hybrid supercapacitors. <i>Vacuum</i> , 2019, 165, 179-185.	3.5	18
108	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

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109	Microstructure and mechanical properties of the ALON / Ti6Al4V active element brazing joint. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 793, 139859.	5.6	18
110	Constructing MoS ₂ /CoMo ₂ S ₄ /Co ₃ S ₄ nanostructures supported by graphene layers as the anode for lithium-ion batteries. Dalton Transactions, 2020, 49, 1167-1172.	3.3	17
111	Realizing the air brazing of ZrO ₂ ceramics through Al metal. Journal of Materiomics, 2022, 8, 662-668.	5.7	17
112	Brazing SiO ₂ /SiO ₂ with TC4 alloy with the help of coating graphene. Vacuum, 2017, 145, 241-244.	3.5	16
113	Microstructure and mechanical properties of the SiC/Nb joint brazed using AgCuTi+B ₄ C composite filler metal. International Journal of Refractory Metals and Hard Materials, 2019, 85, 105049.	3.8	16
114	Wetting of Ti-14Ti alloy on SiCf/SiC and C/C composites and their brazed joint at high temperatures. Ceramics International, 2021, 47, 13845-13852.	4.8	16
115	Microstructure design of C/C composites through electrochemical corrosion for brazing to Nb. Journal of Materials Science and Technology, 2022, 104, 33-40.	10.7	16
116	Oxidation behavior of ferritic stainless steel interconnect coated by a simple diffusion bonded cobalt protective layer for solid oxide fuel cells. Corrosion Science, 2020, 172, 108739.	6.6	16
117	Releasing the residual stress of Cf/SiC-GH3536 joint by designing an Ag-Cu-Ti+Sc ₂ (WO ₄) ₃ composite filler metal. Journal of Materials Science and Technology, 2022, 108, 102-109.	10.7	15
118	Non-destructive measurement of residual stress distribution as a function of depth in sapphire/Ti6Al4V brazing joint via Raman spectra. Ceramics International, 2019, 45, 3284-3289.	4.8	14
119	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
120	Interfacial microstructure and improved wetting mechanism of SiO ₂ /SiO ₂ brazed with Nb by plasma treatment. Vacuum, 2017, 143, 320-328.	3.5	13
121	Joining SiO ₂ based ceramics: recent progress and perspectives. Journal of Materials Science and Technology, 2022, 108, 110-124.	10.7	13
122	Vacuum brazing of ALON and Ti ₂ AlNb with LiAlSiO ₄ 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
123	Syntheses of carbon nanomaterials by radio frequency plasma enhanced chemical vapor deposition. Journal of Alloys and Compounds, 2009, 486, 265-272.	5.5	12
124	The crystal orientation relation and macroscopic surface roughness in hetero-epitaxial graphene grown on Cu/mica. Nanotechnology, 2014, 25, 185602.	2.6	12
125	Effects of oxygen on growth of carbon nanotubes prospered by PECVD. Materials Research Bulletin, 2014, 49, 66-70.	5.2	12
126	Regulating the surface structure of SiO ₂ /SiO ₂ composite for assisting in brazing with Nb. Materials Letters, 2016, 182, 159-162.	2.6	12

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127	Microstructure evolution and mechanical properties of Co coated AISI 441 ferritic stainless steel/ YSZ reactive air brazed joint. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 8758-8766.	7.1	12
128	Effects of total CH ₄ /Ar gas pressure on the structures and field electron emission properties of carbon nanomaterials grown by plasma-enhanced chemical vapor deposition. <i>Applied Surface Science</i> , 2009, 256, 1542-1547.	6.1	11
129	Antimony nanocrystals self-encapsulated within bio-oil derived carbon for ultra-stable sodium storage. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 459-466.	9.4	11
130	Effect of catalyst film thickness on the structures of vertically-oriented few-layer graphene grown by PECVD. <i>RSC Advances</i> , 2014, 4, 44434-44441.	3.6	10
131	Plasma-induced surface reorganization of porous Co ₃ O ₄ -CoO heterostructured nanosheets for electrocatalytic water oxidation. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 400-404.	9.4	10
132	Bioinspired Metal-Intermetallic Laminated Composites for the Fabrication of Superhydrophobic Surfaces with Responsive Wettability. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 5834-5843.	8.0	10
133	Stable lithium metal anode achieved by shortening diffusion path on solid electrolyte interface derived from Cu ₂ O lithiophilic layer. <i>Chemical Engineering Journal</i> , 2022, 433, 133689.	12.7	10
134	Relieving residual stress in brazed joint between SiC and Nb using a 3D-SiO ₂ -fiber ceramic interlayer. <i>Vacuum</i> , 2018, 149, 93-95.	3.5	9
135	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
136	Making Superhydrophobic Surfaces with Microstripe Array Structure by Diffusion Bonding and Their Applications in Magnetic Control Microdroplet Release Systems. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700918.	3.7	8
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