

# Junlei Qi

## List of Publications by Year in descending order

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175  
papers

8,452  
citations

44444

50  
h-index

60403

85  
g-index

175  
all docs

175  
docs citations

175  
times ranked

9270  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-lightweight ion-sieving membranes for high-rate lithium sulfur batteries. <i>Chemical Engineering Journal</i> , 2022, 430, 132698.	6.6	28
2	Microstructure and mechanical properties of Al <sub>2</sub> O <sub>3</sub> ceramic joints achieved by Ag-SiO <sub>2</sub> braze in air. <i>International Journal of Applied Ceramic Technology</i> , 2022, 19, 508-513.	1.1	2
3	Microstructure design of C/C composites through electrochemical corrosion for brazing to Nb. <i>Journal of Materials Science and Technology</i> , 2022, 104, 33-40.	5.6	16
4	A novel brush surface structure of SiCf/SiC composites designed for brazing improvement. <i>Vacuum</i> , 2022, 195, 110700.	1.6	6
5	Joining SiO <sub>2</sub> based ceramics: recent progress and perspectives. <i>Journal of Materials Science and Technology</i> , 2022, 108, 110-124.	5.6	13
6	Releasing the residual stress of Cf/SiC-GH3536 joint by designing an Ag-Cu-Ti+Sc <sub>2</sub> (WO <sub>4</sub> ) <sub>3</sub> composite filler metal. <i>Journal of Materials Science and Technology</i> , 2022, 108, 102-109.	5.6	15
7	Dense Crystalline-Amorphous Interfacial Sites for Enhanced Electrocatalytic Oxygen Evolution. <i>Advanced Functional Materials</i> , 2022, 32, 2107056.	7.8	69
8	Realizing the air brazing of ZrO <sub>2</sub> ceramics through Al metal. <i>Journal of Materiomics</i> , 2022, 8, 662-668.	2.8	17
9	Stable lithium metal anode achieved by shortening diffusion path on solid electrolyte interface derived from Cu <sub>2</sub> O lithiophilic layer. <i>Chemical Engineering Journal</i> , 2022, 433, 133689.	6.6	10
10	Corrosion behavior of Ag-based alloy in simulated body fluid solution. <i>Vacuum</i> , 2022, 197, 110850.	1.6	4
11	Brazing C/C composites to DD3 alloy with a novel Ag-Cr active braze. <i>Ceramics International</i> , 2022, 48, 15090-15097.	2.3	19
12	Regulating the interfacial reaction of Sc <sub>2</sub> W <sub>3</sub> O <sub>12</sub> /AgCuTi composite filler by introducing a carbon barrier layer. <i>Carbon</i> , 2022, 191, 290-300.	5.4	30
13	Silver particle interlayer with high dislocation density for improving the joining of BaZr <sub>0.1</sub> Ce <sub>0.7</sub> Y <sub>0.1</sub> Yb <sub>0.1</sub> O <sub>3</sub> - electrolyte and AISI 441 interconnect. <i>Journal of Materiomics</i> , 2022, 8, 1001-1008.	2.8	3
14	Design CuZr alloy to control Ti diffusion and reaction layer thickness in C/C-TC4 joints. <i>Materials Characterization</i> , 2022, , 111889.	1.9	6
15	Brazing ZTA ceramic and Ti6Al4V alloy directly in air: Excellent oxidation resistance at 800°C. <i>Ceramics International</i> , 2022, 48, 9631-9639.	2.3	5
16	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.	9.5	92
17	Corrosion behavior of stainless steel-tungsten carbide joints brazed with AgCuX (X=In, Ti) alloys. <i>Corrosion Science</i> , 2022, 200, 110231.	3.0	80
18	Introduction to water splitting technologies. , 2022, , 3-24.		0

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19	SiO <sub>2</sub> migration mechanism at the joints of SiO <sub>2</sub> f/SiO <sub>2</sub> composite brazed by bismuth glass. <i>Ceramics International</i> , 2022, 48, 24319-24325.	2.3	3
20	Vacuum brazing of AlON and Ti <sub>2</sub> AlNb with LiAlSiO <sub>4</sub> enhanced Ag-Cu-Ti composite fillers: Microstructure, mechanical properties and measurement of residual stress. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 846, 143277.	2.6	13
21	A study of mechanical property and corrosion resistance of modified silica glass. <i>Vacuum</i> , 2022, 203, 111233.	1.6	2
22	Y <sub>2</sub> W <sub>3</sub> O <sub>12</sub> @SiO <sub>2</sub> composite particles for regulating thermal expansion and interfacial reactions in BaZr <sub>0.1</sub> Ce <sub>0.7</sub> Y <sub>0.1</sub> Yb <sub>0.1</sub> O <sub>3-<math>\delta</math></sub> /AISI 441 joints. <i>Composites Part B: Engineering</i> , 2022, 242, 110108.	5.9	6
23	Interfacial reaction and brazing behaviour of SiCf/SiC with Cf/C composites using Si-10Zr alloy at high temperatures. <i>Journal of the European Ceramic Society</i> , 2021, 41, 1142-1150.	2.8	14
24	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.	5.0	11
25	Modification strategies on transition metal-based electrocatalysts for efficient water splitting. <i>Journal of Energy Chemistry</i> , 2021, 58, 446-462.	7.1	88
26	Nanoarchitected Design of Vertical Standing Arrays for Supercapacitors: Progress, Challenges, and Perspectives. <i>Advanced Functional Materials</i> , 2021, 31, 2006030.	7.8	150
27	Bioinspired Metal-Intermetallic Laminated Composites for the Fabrication of Superhydrophobic Surfaces with Responsive Wettability. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 5834-5843.	4.0	10
28	Emerging elemental two-dimensional materials for energy applications. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18793-18817.	5.2	30
29	Iron Selenide Microcapsules as Universal Conversion-Typed Anodes for Alkali Metal-Ion Batteries. <i>Small</i> , 2021, 17, e2005745.	5.2	66
30	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.	3.8	12
31	Evolution and formation mechanism of the interfacial microstructure on diffusion bonded joints of single crystal Ni-based superalloys to Ti <sub>3</sub> AlC <sub>2</sub> ceramic with Ni interlayer. <i>Vacuum</i> , 2021, 185, 110027.	1.6	8
32	Surface synthesis of aluminum borate whiskers on the ZTA ceramics and its application to joining. <i>Ceramics International</i> , 2021, 47, 11269-11275.	2.3	6
33	Self-Assembly Lightweight Honeycomb-Like Prussian Blue Analogue on Cu Foam for Lithium Metal Anode. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 23803-23810.	4.0	19
34	A low-temperature sealing method for metal-supported oxide fuel cell applications: Ni-Sn transient liquid phase bonding. <i>Vacuum</i> , 2021, 187, 110048.	1.6	5
35	Wetting of Si-14Ti alloy on SiCf/SiC and C/C composites and their brazed joint at high temperatures. <i>Ceramics International</i> , 2021, 47, 13845-13852.	2.3	16
36	Promoting Bifunctional Water Splitting by Modification of the Electronic Structure at the Interface of NiFe Layered Double Hydroxide and Ag. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 26055-26063.	4.0	41

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37	Joining silicon nitride ceramics in air by pure aluminum filler. <i>Ceramics International</i> , 2021, 47, 17794-17798.	2.3	2
38	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.	5.9	22
39	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 &amp; Interfaces</i> , 2021, 13, 39424-39434.	4.0	22
40	Joining of Al <sub>2</sub> O <sub>3</sub> to ZTA using a B <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> glass with in-situ precipitated whiskers. <i>Ceramics International</i> , 2021, 47, 25541-25550.	2.3	6
41	Joining ZTA ceramics by using whiskers reinforced borosilicate glasses for high-temperature applications. <i>Materials Letters</i> , 2021, 304, 130583.	1.3	5
42	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.	7.3	79
43	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.	5.2	27
44	Microstructure evolution and mechanical properties of SiO <sub>2</sub> /SiO <sub>2</sub> composites joints brazed by bismuth glass. <i>Ceramics International</i> , 2021, 48, 5840-5840.	2.3	4
45	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.	5.0	34
46	S doped NiCo <sub>2</sub> O <sub>4</sub> 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.	5.0	57
47	Sandwich-like structured NiSe <sub>2</sub> /Ni <sub>2</sub> P@FeP interface nanosheets with rich defects for efficient electrocatalytic water splitting. <i>Journal of Power Sources</i> , 2020, 445, 227294.	4.0	56
48	In situ TiSi <sub>2</sub> microarray reinforced Si-Ti eutectic colonies in Cf/C composite joints for high-temperature application. <i>Ceramics International</i> , 2020, 46, 10495-10502.	2.3	8
49	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.	1.6	34
50	Constructing MoS <sub>2</sub> /CoMoS <sub>4</sub> /Co <sub>3</sub> S <sub>4</sub> nanostructures supported by graphene layers as the anode for lithium-ion batteries. <i>Dalton Transactions</i> , 2020, 49, 1167-1172.	1.6	17
51	Sea urchin-like CuCo <sub>2</sub> S <sub>4</sub> microspheres with a controllable interior structure as advanced electrode materials for high-performance supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 603-609.	3.0	20
52	Partial sulfuration-induced defect and interface tailoring on bismuth oxide for promoting electrocatalytic CO <sub>2</sub> reduction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2472-2480.	5.2	82
53	A composite solid polymer electrolyte incorporating MnO <sub>2</sub> nanosheets with reinforced mechanical properties and electrochemical stability for lithium metal batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2021-2032.	5.2	118
54	Rich P vacancies modulate Ni <sub>2</sub> P/Cu <sub>3</sub> P interfaced nanosheets for electrocatalytic alkaline water splitting. <i>Journal of Colloid and Interface Science</i> , 2020, 564, 37-42.	5.0	43

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55	Highly conductive Mn <sub>3</sub> O <sub>4</sub> /MnS heterostructures building multi-shelled hollow microspheres for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 392, 123890.	6.6	54
56	W doping dominated NiO/NiS <sub>2</sub> interfaced nanosheets for highly efficient overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 363-369.	5.0	47
57	Spontaneously Formed Mott-Schottky Electrolyte for Lithium-Sulfur Batteries. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902092.	1.9	21
58	Microstructure and mechanical properties of the AlON / Ti <sub>6</sub> Al <sub>4</sub> V active element brazing joint. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 793, 139859.	2.6	18
59	Nano tungsten reinforced carbon cloth interlayer for brazing C/SiC composites to Nb. <i>Journal of Manufacturing Processes</i> , 2020, 58, 1270-1273.	2.8	7
60	Mott-Schottky Electrolyte: Spontaneously Formed Mott-Schottky Electrolyte for Lithium-Sulfur Batteries ( <i>Adv. Mater. Interfaces</i> 22/2020). <i>Advanced Materials Interfaces</i> , 2020, 7, 2070122.	1.9	3
61	Constructing Ni <sup>2+</sup> /VS heterostructured nanosheets for efficient overall water splitting. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4924-4929.	3.0	7
62	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.	3.8	34
63	Wetting and brazing of Cf/C composites with Si <sup>2+</sup> /Zr eutectic alloys: The formation of nano- and coarse-SiC reaction layers. <i>Carbon</i> , 2020, 167, 92-103.	5.4	31
64	Mechanical durable ceria superhydrophobic coating fabricated by simple hot-press sintering. <i>Applied Surface Science</i> , 2020, 529, 147113.	3.1	6
65	Li <sup>2+</sup> -LiAlSiO <sub>4</sub> negative thermal expansion network interlayer for C/C-Nb brazing joint. <i>Ceramics International</i> , 2020, 46, 14232-14234.	2.3	7
66	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.	1.3	2
67	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.	7.8	173
68	Fe doped Ni <sub>5</sub> P <sub>4</sub> nanosheet arrays with rich P vacancies via phase transformation for efficient overall water splitting. <i>Nanoscale</i> , 2020, 12, 6204-6210.	2.8	47
69	Plasma-induced surface reorganization of porous Co <sub>3</sub> O <sub>4</sub> -CoO heterostructured nanosheets for electrocatalytic water oxidation. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 400-404.	5.0	10
70	The role of Al diffusion behavior in the process of forming a super-reliable Al <sub>2</sub> O <sub>3</sub> protective layer during reactive air aluminization. <i>Applied Surface Science</i> , 2020, 518, 146242.	3.1	5
71	Engineering Se vacancies to promote the intrinsic activities of P doped NiSe <sub>2</sub> nanosheets for overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2020, 571, 260-266.	5.0	47
72	Brazing YSZ ceramics by a novel SiO <sub>2</sub> nanoparticles modified Ag filler. <i>Ceramics International</i> , 2020, 46, 16493-16501.	2.3	23

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73	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.	3.0	16
74	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.	2.1	40
75	Microstructure and mechanical properties of the SiC/Nb joint brazed using AgCuTi+B4C composite filler metal. <i>International Journal of Refractory Metals and Hard Materials</i> , 2019, 85, 105049.	1.7	16
76	Bifunctional Electrocatalysts Based on Mo-Doped NiCoP Nanosheet Arrays for Overall Water Splitting. <i>Nano-Micro Letters</i> , 2019, 11, 55.	14.4	125
77	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.	5.0	70
78	MCo <sub>2</sub> O <sub>4</sub> (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.	1.6	19
79	Lithium-Sulfur Batteries: Flexible and High-Loading Lithium-Sulfur Batteries Enabled by Integrated Three-In-One Fibrous Membranes ( <i>Adv. Energy Mater.</i> 38/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970147.	10.2	5
80	Flexible and High-Loading Lithium-Sulfur Batteries Enabled by Integrated Three-In-One Fibrous Membranes. <i>Advanced Energy Materials</i> , 2019, 9, 1902001.	10.2	98
81	Understanding the Effect of Surface Machining on the YSZ/Ti6Al4V Joint via Image Based Modelling. <i>Scientific Reports</i> , 2019, 9, 12027.	1.6	6
82	Mn and S dual-doping of MOF-derived Co <sub>3</sub> O <sub>4</sub> electrode array increases the efficiency of electrocatalytic generation of oxygen. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 28-33.	5.0	26
83	Magnesiothermic reduction of SiO <sub>2</sub> f/SiO <sub>2</sub> composites for brazing with Nb using AgCuTi. <i>Journal of Manufacturing Processes</i> , 2019, 46, 26-33.	2.8	5
84	Designing oxygen bonding between reduced graphene oxide and multishelled Mn <sub>3</sub> O <sub>4</sub> hollow spheres for enhanced performance of supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6686-6694.	5.2	103
85	A CoMoO <sub>4</sub> @Co <sub>2</sub> Mo <sub>3</sub> O <sub>8</sub> 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.	5.2	50
86	Joining of yttria stabilised zirconia to Ti6Al4V alloy using novel CuO nanostructure reinforced Cu foam interlayer. <i>Materials Letters</i> , 2019, 253, 105-108.	1.3	9
87	Enhancing Catalytic Activity of Titanium Oxide in Lithium-Sulfur Batteries by Band Engineering. <i>Advanced Energy Materials</i> , 2019, 9, 1900953.	10.2	326
88	Defect-Rich Heterogeneous MoS <sub>2</sub> /NiS <sub>2</sub> Nanosheets Electrocatalysts for Efficient Overall Water Splitting. <i>Advanced Science</i> , 2019, 6, 1900246.	5.6	468
89	Free-standing porous Ni <sub>2</sub> P-Ni <sub>5</sub> P <sub>4</sub> heterostructured arrays for efficient electrocatalytic water splitting. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 332-336.	5.0	49
90	Atomic-scale structural and chemical evolution of Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode cycled at high voltage window. <i>Nano Research</i> , 2019, 12, 1675-1681.	5.8	8

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91	“One-for-All” strategy to design oxygen-deficient triple-shelled MnO <sub>2</sub> and hollow Fe <sub>2</sub> O <sub>3</sub> microcubes for high energy density asymmetric supercapacitors. Dalton Transactions, 2019, 48, 8623-8632.	1.6	23
92	A general strategy to construct N-doped carbon-confined MoO <sub>2</sub> and MnO for high-performance hybrid supercapacitors. Vacuum, 2019, 165, 179-185.	1.6	18
93	Controlled synthesis of MOF-derived quadruple-shelled CoS <sub>2</sub> hollow dodecahedrons as enhanced electrodes for supercapacitors. Electrochimica Acta, 2019, 312, 54-61.	2.6	81
94	Hierarchical Fe <sub>2</sub> O <sub>3</sub> and NiO nanotube arrays as advanced anode and cathode electrodes for high-performance asymmetric supercapacitors. Journal of Alloys and Compounds, 2019, 794, 255-260.	2.8	45
95	Interfacial microstructure and mechanical properties of SiC joints achieved by reactive air brazing using Ag-V <sub>2</sub> O <sub>5</sub> filler. Journal of the European Ceramic Society, 2019, 39, 2617-2625.	2.8	28
96	Effect of Ni concentration on solderability, microstructure and hardness of SAC0705-xNi solder joints on Cu and graphene-coated Cu substrates. Modern Physics Letters B, 2019, 33, 1850425.	1.0	1
97	Characterization of hydrogenated niobium interlayer and its application in TiAl/Ti <sub>2</sub> AlNb diffusion bonding. International Journal of Hydrogen Energy, 2019, 44, 6929-6937.	3.8	18
98	Activating and optimizing the activity of NiCoP nanosheets for electrocatalytic alkaline water splitting through the V doping effect enhanced by P vacancies. Journal of Materials Chemistry A, 2019, 7, 24486-24492.	5.2	227
99	Cerium doped strontium titanate with stable high permittivity and low dielectric loss. Journal of Alloys and Compounds, 2019, 772, 1105-1112.	2.8	33
100	Origin of high dielectric permittivity and low dielectric loss of Sr <sub>0.985</sub> Ce <sub>0.01</sub> TiO <sub>3</sub> ceramics under different sintering atmospheres. Journal of Alloys and Compounds, 2019, 782, 51-58.	2.8	35
101	C/SiC composite-Ti <sub>6</sub> Al <sub>4</sub> V joints brazed with negative thermal expansion ZrP <sub>2</sub> WO <sub>12</sub> nanoparticle reinforced AgCu alloy. Journal of the European Ceramic Society, 2019, 39, 755-761.	2.8	36
102	Designing and constructing core-shell NiCo <sub>2</sub> S <sub>4</sub> @Ni <sub>3</sub> S <sub>2</sub> on Ni foam by facile one-step strategy as advanced battery-type electrodes for supercapattery. Journal of Colloid and Interface Science, 2019, 536, 456-462.	5.0	70
103	Non-destructive measurement of residual stress distribution as a function of depth in sapphire/Ti <sub>6</sub> Al <sub>4</sub> V brazing joint via Raman spectra. Ceramics International, 2019, 45, 3284-3289.	2.3	14
104	The normal spectral emittance of the real surface from worked aero-engine nozzle. Applied Thermal Engineering, 2019, 150, 641-650.	3.0	4
105	Ultrathin NiFe-layered double hydroxide decorated NiCo <sub>2</sub> O <sub>4</sub> arrays with enhanced performance for supercapacitors. Applied Surface Science, 2019, 465, 929-936.	3.1	38
106	Heterostructural Graphene Quantum Dot/MnO <sub>2</sub> Nanosheets toward High-Potential Window Electrodes for High-Performance Supercapacitors. Advanced Science, 2018, 5, 1700887.	5.6	215
107	Atomic structure and migration dynamics of MoS <sub>2</sub> /Li <sub>x</sub> MoS <sub>2</sub> interface. Nano Energy, 2018, 48, 560-568.	8.2	42
108	In Situ Synthesis of Vertical Standing Nanosized NiO Encapsulated in Graphene as Electrodes for High-Performance Supercapacitors. Advanced Science, 2018, 5, 1700687.	5.6	117

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109	Carbon nanotubes-reinforced Ni foam interlayer for brazing SiO <sub>2</sub> -BN with Ti6Al4V alloy using TiZrNiCu brazing alloy. <i>Ceramics International</i> , 2018, 44, 3684-3691.	2.3	24
110	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.	2.8	37
111	Relieving residual stress in brazed joint between SiC and Nb using a 3D-SiO <sub>2</sub> -fiber ceramic interlayer. <i>Vacuum</i> , 2018, 149, 93-95.	1.6	9
112	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.	3.8	23
113	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.	4.0	349
114	Au nanoparticle-decorated NiCo <sub>2</sub> O <sub>4</sub> nanoflower with enhanced electrocatalytic activity toward methanol oxidation. <i>Journal of Alloys and Compounds</i> , 2018, 732, 460-469.	2.8	44
115	A Highly Efficient Electrocatalyst Derived from Polyaniline@CNTs <sup>SPS</sup> for the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2018, 5, 195-200.	1.7	4
116	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.	5.2	46
117	Hierarchical CuCo <sub>2</sub> S <sub>4</sub> @NiMn-layered double hydroxide core-shell hybrid arrays as electrodes for supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 336, 562-569.	6.6	236
118	Microwave-assisted fast synthesis of hierarchical NiCo <sub>2</sub> O <sub>4</sub> nanoflower-like supported Ni(OH) <sub>2</sub> nanoparticles with an enhanced electrocatalytic activity towards methanol oxidation. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 172-182.	3.0	36
119	Rechargeable Zinc <sup>+</sup> Air Batteries: Amorphous Iron(III) <sup>+</sup> Borate Nanolattices as Multifunctional Electrodes for Self <sup>+</sup> Driven Overall Water Splitting and Rechargeable Zinc <sup>+</sup> Air Battery ( <i>Small</i> 48/2018). <i>Small</i> , 2018, 14, 1870233.	5.2	0
120	Atomic scale insights into structure instability and decomposition pathway of methylammonium lead iodide perovskite. <i>Nature Communications</i> , 2018, 9, 4807.	5.8	161
121	Amorphous Iron(III) <sup>+</sup> Borate Nanolattices as Multifunctional Electrodes for Self <sup>+</sup> Driven Overall Water Splitting and Rechargeable Zinc <sup>+</sup> Air Battery. <i>Small</i> , 2018, 14, e1802829.	5.2	37
122	Mesostructured Carbon Nanotube-on-MnO <sub>2</sub> Nanosheet Composite for High-Performance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 38963-38969.	4.0	65
123	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.	4.0	110
124	Core-branched CoSe <sub>2</sub> /Ni <sub>0.85</sub> Se nanotube arrays on Ni foam with remarkable electrochemical performance for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19151-19158.	5.2	171
125	Controllable synthesis of core-branch Ni <sub>3</sub> S <sub>2</sub> /Co <sub>9</sub> S <sub>8</sub> directly on nickel foam as an efficient bifunctional electrocatalyst for overall water splitting. <i>Journal of Power Sources</i> , 2018, 401, 329-335.	4.0	69
126	Brazing ZTA ceramic to TC4 alloy using the Cu foam as interlayer. <i>Vacuum</i> , 2018, 155, 7-15.	1.6	42



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135	Graphene-enhanced Cu composite interlayer for contact reaction brazing aluminum alloy 6061. Vacuum, 2017, 136, 142-145.	1.6	30
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