

Junlei Qi

List of Publications by Year in descending order

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175
papers

8,452
citations

38742

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g-index

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all docs

175
docs citations

175
times ranked

8155
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. Journal of Materials Chemistry A, 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. Journal of Materials Chemistry A, 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. Journal of Power Sources, 2017, 362, 64-72. | 7.8 | 99 |
| 22 | Flexible and High-Loading Lithium-Sulfur Batteries Enabled by Integrated Three-Dimensional Fibrous Membranes. Advanced Energy Materials, 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. Journal of Materials Chemistry A, 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. Energy Storage Materials, 2022, 47, 345-353. | 18.0 | 92 |
| 25 | Three-dimensional graphene-reinforced Cu foam interlayer for brazing C/C composites and Nb. Carbon, 2017, 118, 723-730. | 10.3 | 88 |
| 26 | Modification strategies on transition metal-based electrocatalysts for efficient water splitting. Journal of Energy Chemistry, 2021, 58, 446-462. | 12.9 | 88 |
| 27 | Partial sulfuration-induced defect and interface tailoring on bismuth oxide for promoting electrocatalytic CO ₂ reduction. Journal of Materials Chemistry A, 2020, 8, 2472-2480. | 10.3 | 82 |
| 28 | Controlled synthesis of MOF-derived quadruple-shelled CoS ₂ hollow dodecahedrons as enhanced electrodes for supercapacitors. Electrochimica Acta, 2019, 312, 54-61. | 5.2 | 81 |
| 29 | Corrosion behavior of stainless steel-tungsten carbide joints brazed with AgCuX (X=Al, Ti) alloys. Corrosion Science, 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. ACS Nano, 2021, 15, 2506-2519. | 14.6 | 79 |
| 31 | P-Doped NiCo ₂ S ₄ nanotubes as battery-type electrodes for high-performance asymmetric supercapacitors. Dalton Transactions, 2018, 47, 8771-8778. | 3.3 | 75 |
| 32 | Relatively low temperature synthesis of graphene by radio frequency plasma enhanced chemical vapor deposition. Applied Surface Science, 2011, 257, 6531-6534. | 6.1 | 73 |
| 33 | Vertically oriented few-layer graphene-nanocup hybrid structured electrodes for high-performance supercapacitors. Journal of Materials Chemistry A, 2015, 3, 12396-12403. | 10.3 | 73 |
| 34 | Oxygen-vacancy-rich nickel-cobalt layered double hydroxide electrode for high-performance supercapacitors. Journal of Colloid and Interface Science, 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. Journal of Colloid and Interface Science, 2019, 536, 456-462. | 9.4 | 70 |
| 36 | Ar plasma treatment on few layer graphene sheets for enhancing their field emission properties. Journal Physics D: Applied Physics, 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–Type 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_2O_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 $\text{ZrP}_2\text{WO}_{12}$ 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 $\text{NiO@C@Cu}_2\text{O}$ 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 $\text{Sr}_{0.985}\text{Ce}_{0.01}\text{TiO}_3$ 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 $\text{Al}_2\text{O}_3/\text{Ti6Al4V}$ 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 $\text{Sc}_2\text{W}_3\text{O}_{12}/\text{AgCuTi}$ 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. Journal of Colloid and Interface Science, 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. Ceramics International, 2018, 44, 3684-3691. | 4.8 | 24 |
| 93 | Joining of SiO ₂ -BN ceramic to Nb using a CNT-reinforced brazing alloy. RSC Advances, 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. International Journal of Hydrogen Energy, 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. Dalton Transactions, 2019, 48, 8623-8632. | 3.3 | 23 |
| 96 | Brazing YSZ ceramics by a novel SiO ₂ nanoparticles modified Ag filler. Ceramics International, 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. Composites Part B: Engineering, 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. ACS Applied Materials & Interfaces, 2021, 13, 39424-39434. | 8.0 | 22 |
| 99 | Synthesis of graphene on a Ni film by radio-frequency plasma-enhanced chemical vapor deposition. Science Bulletin, 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. Vacuum, 2017, 143, 303-311. | 3.5 | 21 |
| 101 | Spontaneously Formed Mott-Schottky Electrocatalyst for Lithium-Sulfur Batteries. Advanced Materials Interfaces, 2020, 7, 1902092. | 3.7 | 21 |
| 102 | Plasma treatment on SiO ₂ /SiO ₂ composites for their assisted brazing with Nb. Vacuum, 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. Inorganic Chemistry Frontiers, 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. Vacuum, 2019, 169, 108959. | 3.5 | 19 |
| 105 | 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 |
| 106 | Brazing C/C composites to DD3 alloy with a novel Ag-Cr active braze. Ceramics International, 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. Vacuum, 2019, 165, 179-185. | 3.5 | 18 |
| 108 | Characterization of hydrogenated niobium interlayer and its application in TiAl/Ti ₂ AlNb diffusion bonding. International Journal of Hydrogen Energy, 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 /CoMoS 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. International Journal of Hydrogen Energy, 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. Applied Surface Science, 2009, 256, 1542-1547. | 6.1 | 11 |
| 129 | Antimony nanocrystals self-encapsulated within bio-oil derived carbon for ultra-stable sodium storage. Journal of Colloid and Interface Science, 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. RSC Advances, 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. Journal of Colloid and Interface Science, 2020, 565, 400-404. | 9.4 | 10 |
| 132 | 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 |
| 133 | Stable lithium metal anode achieved by shortening diffusion path on solid electrolyte interface derived from Cu ₂ O lithiophilic layer. Chemical Engineering Journal, 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. Vacuum, 2018, 149, 93-95. | 3.5 | 9 |
| 135 | Joining of yttria stabilised zirconia to Ti6Al4V alloy using novel CuO nanostructure reinforced Cu foam interlayer. Materials Letters, 2019, 253, 105-108. | 2.6 | 9 |
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