# Jumei Tian

List of Publications by Year
in descending order

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| 87 | 3,494 | 136885 | 143943 |
|---|---|---|---|
| papers | citations | 32 h-index | 57 g-index |

| 87 | 87 | 87 | 4999 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | High‐Energy/Power and Low‐Temperature Cathode for Sodium‐Ion Batteries: In Situ XRD Study and Superior Full‐Cell Performance. Advanced Materials, 2017, 29, 1701968. | 11.1 | 350 |
| 2 | A Scalable Strategy To Develop Advanced Anode for Sodium-Ion Batteries: Commercial Fe<sub>3</sub>O<sub>4</sub>-Derived Fe<sub>3</sub>O<sub>4</sub>@FeS with Superior Full-Cell Performance. ACS Applied Materials & Interfaces, 2018, 10, 3581-3589. | 4.0 | 209 |
| 3 | In Situ Binding Sb Nanospheres on Graphene via Oxygen Bonds as Superior Anode for Ultrafast Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 7790-7799. | 4.0 | 167 |
| 4 | A Practicable Li/Na‐Ion Hybrid Full Battery Assembled by a High‐Voltage Cathode and Commercial Graphite Anode: Superior Energy Storage Performance and Working Mechanism. Advanced Energy Materials, 2018, 8, 1702504. | 10.2 | 142 |
| 5 | Nanoeffects promote the electrochemical properties of organic Na2C8H4O4 as anode material for sodium-ion batteries. Nano Energy, 2015, 13, 450-457. | 8.2 | 139 |
| 6 | Pseudocapacitance-boosted ultrafast Na storage in a pie-like FeS@C nanohybrid as an advanced anode material for sodium-ion full batteries. Nanoscale, 2018, 10, 9218-9225. | 2.8 | 135 |
| 7 | High‐Performance and Low‐Temperature Lithium–Sulfur Batteries: Synergism of Thermodynamic and Kinetic Regulation. Advanced Energy Materials, 2018, 8, 1703638. | 10.2 | 124 |
| 8 | Metastable Marcasite-FeS<sub>2</sub> as a New Anode Material for Lithium Ion Batteries: CNFs-Improved Lithiation/Delithiation Reversibility and Li-Storage Properties. ACS Applied Materials & Interfaces, 2017, 9, 10708-10716. | 4.0 | 122 |
| 9 | Host Materials Transformable in Tumor Microenvironment for Homing Theranostics. Advanced Materials, 2017, 29, 1605869. | 11.1 | 121 |
| 10 | Shale-like Co<sub>3</sub>O<sub>4</sub>for high performance lithium/sodium ion batteries. Journal of Materials Chemistry A, 2016, 4, 8242-8248. | 5.2 | 108 |
| 11 | Dual-carbon enhanced silicon-based composite as superior anode material for lithium ion batteries. Journal of Power Sources, 2016, 307, 738-745. | 4.0 | 81 |
| 12 | Supramolecular Nano-Aggregates Based on Bis(Pyrene) Derivatives for Lysosome-Targeted Cell Imaging. Journal of Physical Chemistry C, 2013, 117, 26811-26820. | 1.5 | 79 |
| 13 | A promising PMHS/PEO blend polymer electrolyte for all-solid-state lithium ion batteries. Dalton Transactions, 2018, 47, 14932-14937. | 1.6 | 67 |
| 14 | Target construction of ultrathin graphitic carbon encapsulated FeS hierarchical microspheres featuring superior low-temperature lithium/sodium storage properties. Journal of Materials Chemistry A, 2018, 6, 7997-8005. | 5.2 | 62 |
| 15 | Co<sub>3</sub>O<sub>4</sub> Nanospheres Embedded in a Nitrogen-Doped Carbon Framework: An Electrode with Fast Surface-Controlled Redox Kinetics for Lithium Storage. ACS Energy Letters, 2017, 2, 52-59. | 8.8 | 61 |
| 16 | Radical Mechanism of Isocyanide-Alkyne Cycloaddition by Multicatalysis of Ag2CO3, Solvent, and Substrate. ACS Catalysis, 2015, 5, 6177-6184. | 5.5 | 54 |
| 17 | Three-dimensional carbon nanotube networks enhanced sodium trimesic: a new anode material for sodium ion batteries and Na-storage mechanism revealed by ex situ studies. Journal of Materials Chemistry A, 2017, 5, 16622-16629. | 5.2 | 54 |
| 18 | An FeP@C nanoarray vertically grown on graphene nanosheets: an ultrastable Li-ion battery anode with pseudocapacitance-boosted electrochemical kinetics. Nanoscale, 2019, 11, 1304-1312. | 2.8 | 53 |

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|---|---|---|---|
| 19 | Bis-pyrene-based supramolecular aggregates with reversibly mechanochromic and vapochromic responsiveness. Journal of Materials Chemistry C, 2014, 2, 1887. | 2.7 | 52 |
| 20 | A new strategy for developing superior electrode materials for advanced batteries: using a positive cycling trend to compensate the negative one to achieve ultralong cycling stability. Nanoscale Horizons, 2016, 1, 496-501. | 4.1 | 51 |
| 21 | Multiple heterointerfaces boosted de-/sodiation kinetics towards superior Na storage and Na-Ion full battery. Journal of Materials Chemistry A, 2018, 6, 6578-6586. | 5.2 | 50 |
| 22 | Synergistic mediation of sulfur conversion in lithiumâ€“sulfur batteries by a Gerber tree-like interlayer with multiple components. Journal of Materials Chemistry A, 2017, 5, 11255-11262. | 5.2 | 49 |
| 23 | 2D few-layer iron phosphosulfide: a self-buffer heterophase structure induced by irreversible breakage of Pâ€“S bonds for high-performance lithium/sodium storage. Journal of Materials Chemistry A, 2019, 7, 1529-1538. | 5.2 | 48 |
| 24 | Three novel 1D lanthanide-carboxylate polymeric complexes: syntheses, crystal structures and magnetic analyses. Dalton Transactions, 2013, 42, 8504. | 1.6 | 41 |
| 25 | Full Protection for Graphene-Incorporated Micro-/Nanocomposites Containing Ultra-small Active Nanoparticles: the Best Li-Storage Properties. Particle and Particle Systems Characterization, 2015, 32, 1020-1027. | 1.2 | 41 |
| 26 | Do the bridging oxygen bonds between active Sn nanodots and graphene improve the Li-storage properties?. Energy Storage Materials, 2016, 5, 214-222. | 9.5 | 41 |
| 27 | The in-situ-prepared micro/nanocomposite composed of Sb and reduced graphene oxide as superior anode for sodium-ion batteries. Journal of Alloys and Compounds, 2016, 672, 72-78. | 2.8 | 39 |
| 28 | An Efficient Strategy for Self-Assembly of DNA-Mimic Homochiral 1D Helical Cu(II) Chain from Achiral Flexible Ligand by Spontaneous Resolution. Inorganic Chemistry, 2016, 55, 3378-3383. | 1.9 | 37 |
| 29 | Understanding the electrochemical properties of A<sub>2</sub>MSiO<sub>4</sub> (A = Li and Na; M =) Tj ETQq1 1 0.784314 rgBT / calculations. Journal of Materials Chemistry A, 2016, 4, 17455-17463. | 5.2 | 35 |
| 30 | Tailoring Coral-Like Fe<sub>7</sub>Se<sub>8</sub>@C for Superior Low-Temperature Li/Na-Ion Half/Full Batteries: Synthesis, Structure, and DFT Studies. ACS Applied Materials & Interfaces, 2019, 11, 47886-47893. | 4.0 | 35 |
| 31 | Pseudocapacitive sodium storage of Fe1â^xS@N-doped carbon for low-temperature operation. Science China Materials, 2020, 63, 505-515. | 3.5 | 35 |
| 32 | A New Multifunctional Zincâ€“Organic Framework with Rare Interpenetrated Tripillared Bilayers as a Luminescent Probe for Detecting Ni<sup>2+</sup> and PO<sub>4</sub><sup>3â€“</sup> in Water. Crystal Growth and Design, 2020, 20, 5120-5128. | 1.4 | 35 |
| 33 | Recent advances of transformable nanoparticles for theranostics. Chinese Chemical Letters, 2017, 28, 1808-1816. | 4.8 | 34 |
| 34 | LiV<sub>3</sub>O<sub>8</sub> nanorods as cathode materials for high-power and long-life rechargeable lithium-ion batteries. RSC Advances, 2014, 4, 25494-25501. | 1.7 | 33 |
| 35 | Three-dimensional hierarchical Ni<sub>3</sub>Se<sub>2</sub> nanorod array as binder/carbon-free electrode for high-areal-capacity Na storage. Nanoscale, 2018, 10, 18942-18948. | 2.8 | 30 |
| 36 | Synergistic Design of Cathode Region for the High-Energy-Density Liâ€“S Batteries. ACS Applied Materials & Interfaces, 2016, 8, 28689-28699. | 4.0 | 29 |

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|---|---|---|---|
| 37 | Diverse Structures Based on a Heptanuclear Cobalt Cluster with 0D to 3D Metalâ€“Organic Frameworks: Magnetism and Application in Batteries. Chemistry - A European Journal, 2018, 24, 1962-1970. | 1.7 | 29 |
| 38 | Rational design of phenoxazine-based donorâ€“acceptorâ€“donor thermally activated delayed fluorescent molecules with high performance. Physical Chemistry Chemical Physics, 2015, 17, 20014-20020. | 1.3 | 28 |
| 39 | Mechanistic understanding of domino cyclization between gem-dialkylthio vinylallenes and benzylamine towards economic synthesis: a computational study. Green Chemistry, 2014, 16, 2653. | 4.6 | 27 |
| 40 | Porous Amorphous Co<sub>2</sub>P/N,Bâ€Coâ€doped Carbon Composite as an Improved Anode Material for Sodiumâ€Ion Batteries. ChemElectroChem, 2017, 4, 1395-1401. | 1.7 | 27 |
| 41 | Decametallic Co<sup>II</sup>â€Clusterâ€Based Microporous Magnetic Framework with a Semirigid Multicoordinating Ligand. Chemistry - A European Journal, 2013, 19, 5097-5103. | 1.7 | 26 |
| 42 | Computational study on optical and electronic properties of the â€œCHâ€N substituted emitting materials based on spirosilabifluorene derivatives. Computational and Theoretical Chemistry, 2008, 862, 85-91. | 1.5 | 25 |
| 43 | 2D Fe <sub>2</sub> O <sub>3</sub> nanosheets with bi-continuous pores inherited from Fe-MOF precursors: an advanced anode material for Li-ion half/full batteries. 2D Materials, 2019, 6, 045022. | 2.0 | 23 |
| 44 | Turn-on fluorescence in a stable Cd(II) metal-organic framework for highly sensitive detection of Cr3+ in water. Dyes and Pigments, 2020, 178, 108359. | 2.0 | 23 |
| 45 | Flexible paper electrodes constructed from Zn<sub>2</sub>GeO<sub>4</sub> nanofibers anchored with amorphous carbon for advanced lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 2055-2059. | 5.2 | 21 |
| 46 | Divergent Reactions between Î±â€Imino Rhodium Carbenoids and 1,3â€Diketones: Substrateâ€Controlled Oâ€“H versus Câ€“H Insertion. European Journal of Organic Chemistry, 2017, 2017, 1289-1293. | 1.2 | 20 |
| 47 | Fabrication of functionalized polysulfide reservoirs from large graphene sheets to improve the electrochemical performance of lithiumâ€“sulfur batteries. Physical Chemistry Chemical Physics, 2015, 17, 23481-23488. | 1.3 | 19 |
| 48 | Target encapsulating NiMoO4 nanocrystals into 1D carbon nanofibers as free-standing anode material for lithium-ion batteries with enhanced cycle performance. Journal of Alloys and Compounds, 2020, 830, 154648. | 2.8 | 19 |
| 49 | Tuning the color of thermally activated delayed fluorescent properties for spiro-acridine derivatives by structural modification of the acceptor fragment: a DFT study. RSC Advances, 2015, 5, 18588-18592. | 1.7 | 18 |
| 50 | Alkaliâ€Metalâ€Ionâ€Functionalized Graphene Oxide as a Superior Anode Material for Sodiumâ€Ion Batteries. Chemistry - A European Journal, 2016, 22, 8152-8157. | 1.7 | 18 |
| 51 | Dualâ€Carbon Enhanced FeP Nanorods Vertically Grown on Carbon Nanotubes with Pseudocapacitanceâ€Boosted Electrochemical Kinetics for Superior Lithium Storage. Advanced Electronic Materials, 2019, 5, 1900006. | 2.6 | 16 |
| 52 | Mechanism Study of the Intramolecular Anti-Michael Addition of N-Alkylfurylacrylacetamides. Journal of Organic Chemistry, 2012, 77, 8744-8749. | 1.7 | 15 |
| 53 | Construction of electrical â€œhighwayâ€•to significantly enhance the redox kinetics of normal hierarchical structured materials of MnO. Journal of Materials Chemistry A, 2018, 6, 1663-1670. | 5.2 | 15 |
| 54 | [DBUâ€H]<sup>+</sup> and H<sub>2</sub>o as effective catalyst form for 2,3â€dihydropyrido[2,3â€d]pyrimidinâ€4(1H)â€•ones: A DFT Study. Journal of Computational Chemistry, 2015, 36, 1295-1303. | 1.5 | 14 |

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|---|---|---|---|
| 55 | An in situâ€Fabricated Composite Polymer Electrolyte Containing Largeâ€Anion Lithium Salt for Allâ€Solidâ€State LiFePO<sub>4</sub>/Li Batteries. ChemElectroChem, 2017, 4, 2293-2299. | 1.7 | 14 |
| 56 | Selective chiral symmetry breaking and luminescence sensing of a Zn(<scp>ii</scp>) metalâ€“organic framework. Dalton Transactions, 2018, 47, 7934-7940. | 1.6 | 14 |
| 57 | In situ construction of ligand nano-network to integrin Î±vÎ²3 for angiogenesis inhibition. Chinese Chemical Letters, 2020, 31, 3107-3112. | 4.8 | 14 |
| 58 | Charge control of the formation of two neutral/cationic metalâ€“organic frameworks based on neutral/cationic triangular clusters and isonicotinic acid: structure, gas adsorption and magnetism. CrystEngComm, 2018, 20, 5402-5408. | 1.3 | 13 |
| 59 | Theoretical investigations of the realization of sky-blue to blue TADF materials via CH/N and H/CN substitution at the diphenylsulphone acceptor. Journal of Materials Chemistry C, 2019, 7, 6685-6691. | 2.7 | 13 |
| 60 | Theoretical design of blue emitting materials based on symmetric and asymmetric spirosilabifluorene derivatives. Theoretical Chemistry Accounts, 2008, 119, 489-500. | 0.5 | 12 |
| 61 | Micro/Nanoengineered Î±â€Fe 2 O 3 Nanoaggregate Conformably Enclosed by Ultrathin Nâ€Doped Carbon Shell for Ultrastable Lithium Storage and Insight into Phase Evolution Mechanism. Chemistry - A European Journal, 2020, 26, 853-862. | 1.7 | 12 |
| 62 | Two Metalâ€“Organic Frameworks Based on Hexanuclear Cobaltâ€“Hydroxyl Clusters or a Manganeseâ€“Hydroxyl Chain from Triangular [MII3(Î¼3-OH)] (M = Co and Mn) Units: Antiferromagnetic and Spin-Canting Antiferromagnetic Ordering with Soft-Magnetic Behavior. Inorganic Chemistry, 2020, 59, 12017-12024. | 1.9 | 12 |
| 63 | Transition metal phosphite complexes: from one-dimensional chain, two-dimensional sheet, to three-dimensional architecture with unusual magnetic properties. CrystEngComm, 2014, 16, 1071-1078. | 1.3 | 11 |
| 64 | A stable luminescent zincâ€“organic framework as a dual-sensor toward Cu<sup>2+</sup> and Cr<sub>2</sub>O<sub>7</sub><sup>2â^’</sup>, and excellent platform-encapsulated Ln<sup>3+</sup> for systematic color tuning and white-light emission. New Journal of Chemistry, 2019, 43, 13794-13801. | 1.4 | 11 |
| 65 | Silver-mediated radical coupling reaction of isocyanides and alcohols/phenols in the presence of water: unprecedented hydration and radical coupling reaction sequence. Organic and Biomolecular Chemistry, 2017, 15, 1580-1583. | 1.5 | 10 |
| 66 | Tuning the electronic and optical properties of diphenylsulphone based thermally activated delayed fluorescent materials via structural modification: A theoretical study. Dyes and Pigments, 2017, 143, 42-47. | 2.0 | 10 |
| 67 | Insight into electrochemical and elastic properties in AFe1-M SO4F (A = Li, Na; M = Co, Ni, Mg) cathode materials: A first principle study. Electrochimica Acta, 2017, 251, 316-323. | 2.6 | 10 |
| 68 | Tetranuclear cobalt(<scp>ii</scp>)â€“isonicotinic acid frameworks: selective CO<sub>2</sub>capture, magnetic properties, and derived â€œCo<sub>3</sub>O<sub>4</sub>â€•exhibiting high performance in lithium ion batteries. Dalton Transactions, 2019, 48, 296-303. | 1.6 | 10 |
| 69 | Computational design of benzo [1,2-b:4,5-bâ€²] dithiophene based thermally activated delayed fluorescent materials. Dyes and Pigments, 2016, 127, 189-196. | 2.0 | 9 |
| 70 | A computational mechanistic study of substrate-controlled competitive Oâ€“H and Câ€“H insertion reactions catalyzed by dirhodium(<scp>ii</scp>) carbenoids: insight into the origin of chemoselectivity. Organic Chemistry Frontiers, 2018, 5, 2353-2363. | 2.3 | 9 |
| 71 | Assembly of metalâ€“organic frameworks based on 4-connected 3,3â€²,5,5â€²-azobenzenetetracarboxylic acid: structures, magnetic properties, and sensing of Fe<sup>3+</sup> ions. New Journal of Chemistry, 2019, 43, 4226-4234. | 1.4 | 8 |
| 72 | Pseudocapacitive Lithium Storage of Cauliflowerâ€Like CoFe<sub>2</sub>O<sub>4</sub> for Lowâ€Temperature Battery Operation. Chemistry - A European Journal, 2020, 26, 13652-13658. | 1.7 | 8 |

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|---|---|---|---|
| 73 | Mechanistic insights on DBU catalyzed Î²â€amination of nbs to chalcone driving by water: Multiple roles of water. Journal of Computational Chemistry, 2017, 38, 438-445. | 1.5 | 7 |
| 74 | The control effects of different scaffolds in chiral phosphoric acids: a case study of enantioselective asymmetric arylation. Catalysis Science and Technology, 2019, 9, 6482-6491. | 2.1 | 7 |
| 75 | Understanding the electrochemical properties of bulk phase and surface structures of Na<sub>3</sub>T<sup>M</sup>PO<sub>4</sub>CO<sub>3</sub>(T<sup>M</sup>= Fe, Mn, Co, Ni) from first principles calculations. Physical Chemistry Chemical Physics, 2020, 22, 25325-25334. | 1.3 | 7 |
| 76 | Li<sub>2</sub>FePO<sub>4</sub>F and its metal-doping for Li-ion batteries: an ab initio study. RSC Advances, 2014, 4, 50195-50201. | 1.7 | 6 |
| 77 | The multieffects of DMF and DBU on the [5â€‰+â€‰1] benzannulation of nitroethane and Î±â€alkenoyl keteneâ€(S,S)â€acetals: Hydrogen bonding and electrostatic interactions. Journal of Computational Chemistry, 2015, 36, 731-738. | 1.5 | 6 |
| 78 | Mechanistic insight on (E)â€methyl 3â€(2â€aminophenyl)acrylate cyclization reaction by multicatalysis of solvent and substrate. Journal of Computational Chemistry, 2016, 37, 2386-2394. | 1.5 | 6 |
| 79 | In situ construction of nanonetworks from transformable nanoparticles for anti-angiogenic therapy. Journal of Materials Chemistry B, 2018, 6, 5282-5289. | 2.9 | 5 |
| 80 | 2D Metalâ€Organic Framework Derived Co 3 O 4 for the Oxygen Evolution Reaction and Highâ€Performance Lithiumâ€Ion Batteries. ChemNanoMat, 2020, 6, 1770-1775. | 1.5 | 5 |
| 81 | Mechanistic investigation on N â†' C<sup>Î±</sup> â†' O relay via non-Brook rearrangement: reaction conditions promote synthesis of furo[3,2-c]pyridinones. Organic and Biomolecular Chemistry, 2017, 15, 9127-9138. | 1.5 | 4 |
| 82 | A mechanistic investigation into N-heterocyclic carbene (NHC) catalyzed umpolung of ketones and benzonitriles: is the cyano group better than the classical carbonyl group for the addition of NHC?. Organic Chemistry Frontiers, 2019, 6, 523-531. | 2.3 | 4 |
| 83 | Enantioselective synthesis of chiral tetrasubstituted allenes: harnessing electrostatic and noncovalent interactions in a bifunctional activation model for N-triflylphosphoramide catalysis. Organic Chemistry Frontiers, 2021, 8, 1510-1519. | 2.3 | 4 |
| 84 | Selective CO<sub>2</sub> adsorption and theoretical simulation of a stable Co(<scp>ii</scp>)-based metalâ€“organic framework with tunable crystal size. CrystEngComm, 2019, 21, 1564-1569. | 1.3 | 3 |
| 85 | Mechanistic insights into Nâ€Bromosuccinimideâ€promoted synthesis of imidazo[1,2â€a]pyridine in water: Reactivity mediated by substrates and solvent. Journal of Computational Chemistry, 2018, 39, 2324-2332. | 1.5 | 2 |
| 86 | Mechanistic investigation-inspired activation mode of DBU and the function of the Î±-diazo group in the reaction of the Î±-amino ketone compound and EDA: [DBU-H]<sup>+</sup>-DMF-H<sub>2</sub>O and Î±-diazo as strong N-terminal nucleophiles. Organic Chemistry Frontiers, 2019, 6, 2678-2686. | 2.3 | 2 |
| 87 | How the Magnetic Field Impacts the Chiroptical Activities of Helical Copper Enantiomers. New Journal of Chemistry, 0, , . | 1.4 | 0 |