Jumei Tian

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8814037/publications.pdf

Version: 2024-02-01

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	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
2	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
3	Pseudocapacitive sodium storage of Fe1âˆ’xS@N-doped carbon for low-temperature operation. Science China Materials, 2020, 63, 505-515.	3.5	35
4	Understanding the electrochemical properties of bulk phase and surface structures of Na₃T^MPO₄CO₃(T^M= Fe, Mn, Co, Ni) from first principles calculations. Physical Chemistry Chemical Physics, 2020, 22, 25325-25334.	1.3	7
5	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
6	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
7	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
8	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
9	Pseudocapacitive Lithium Storage of Cauliflowerâ€Like CoFe₂O₄ for Lowâ€Temperature Battery Operation. Chemistry - A European Journal, 2020, 26, 13652-13658.	1.7	8
10	A New Multifunctional Zincâ€“Organic Framework with Rare Interpenetrated Tripillared Bilayers as a Luminescent Probe for Detecting Ni²⁺ and PO₄^{3â€“} in Water. Crystal Growth and Design, 2020, 20, 5120-5128.	1.4	35
11	In situ construction of ligand nano-network to integrin Î±vÎ²3 for angiogenesis inhibition. Chinese Chemical Letters, 2020, 31, 3107-3112.	4.8	14
12	2D Fe ₂ O ₃ 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
13	A stable luminescent zincâ€“organic framework as a dual-sensor toward Cu²⁺ and Cr₂O₇^{2â€“}, and excellent platform-encapsulated Ln³⁺ for systematic color tuning and white-light emission. New Journal of Chemistry, 2019, 43, 13794-13801.	1.4	11
14	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
15	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
16	Tetranuclear cobalt(<scp>ii</scp>)â€“isonicotinic acid frameworks: selective CO₂capture, magnetic properties, and derived â€œCo₃O₄â€•exhibiting high performance in lithium ion batteries. Dalton Transactions, 2019, 48, 296-303.	1.6	10
17	Selective CO₂ 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
18	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

#	Article	IF	Citations
19	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]⁺-DMF-H₂O and Î±-diazo as strong N-terminal nucleophiles. Organic Chemistry Frontiers, 2019, 6, 2678-2686.	2.3	2
20	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
21	Assembly of metalâ€“organic frameworks based on 4-connected 3,3â€²,5,5â€²-azobenzenetetracarboxylic acid: structures, magnetic properties, and sensing of Fe³⁺ ions. New Journal of Chemistry, 2019, 43, 4226-4234.	1.4	8
22	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
23	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
24	Tailoring Coral-Like Fe₇Se₈@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
25	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
26	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
27	A Practicable Li/Naâ€Ion Hybrid Full Battery Assembled by a Highâ€Voltage Cathode and Commercial Graphite Anode: Superior Energy Storage Performance and Working Mechanism. Advanced Energy Materials, 2018, 8, 1702504.	10.2	142
28	A Scalable Strategy To Develop Advanced Anode for Sodium-Ion Batteries: Commercial Fe₃O₄-Derived Fe₃O₄@FeS with Superior Full-Cell Performance. ACS Applied Materials & Interfaces, 2018, 10, 3581-3589.	4.0	209
29	Highâ€Performance and Lowâ€Temperature Lithiumâ€“Sulfur Batteries: Synergism of Thermodynamic and Kinetic Regulation. Advanced Energy Materials, 2018, 8, 1703638.	10.2	124
30	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
31	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
32	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
33	Mechanistic insights into Nâ€Bromosuccinimideâ€promoted synthesis of imidazo[1,2â€²a]pyridine in water: Reactivity mediated by substrates and solvent. Journal of Computational Chemistry, 2018, 39, 2324-2332.	1.5	2
34	Three-dimensional hierarchical Ni₃Se₂ nanorod array as binder/carbon-free electrode for high-areal-capacity Na storage. Nanoscale, 2018, 10, 18942-18948.	2.8	30
35	A promising PMHS/PEO blend polymer electrolyte for all-solid-state lithium ion batteries. Dalton Transactions, 2018, 47, 14932-14937.	1.6	67
36	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

#	Article	IF	Citations
37	In situ construction of nanonetworks from transformable nanoparticles for anti-angiogenic therapy. Journal of Materials Chemistry B, 2018, 6, 5282-5289.	2.9	5
38	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
39	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
40	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
41	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
42	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
43	Metastable Marcasite-FeS₂ 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
44	Porous Amorphous Co₂P/N,Bâ€Coâ€doped Carbon Composite as an Improved Anode Material for Sodiumâ€Ion Batteries. ChemElectroChem, 2017, 4, 1395-1401.	1.7	27
45	Host Materials Transformable in Tumor Microenvironment for Homing Theranostics. Advanced Materials, 2017, 29, 1605869.	11.1	121
46	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
47	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
48	Co₃O₄ 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
49	Highâ€Energy/Power and Lowâ€Temperature Cathode for Sodiumâ€Ion Batteries: In Situ XRD Study and Superior Fullâ€Cell Performance. Advanced Materials, 2017, 29, 1701968.	11.1	350
50	An in situâ€Fabricated Composite Polymer Electrolyte Containing Largeâ€Anion Lithium Salt for Allâ€Solidâ€State LiFePO₄/Li Batteries. ChemElectroChem, 2017, 4, 2293-2299.	1.7	14
51	Mechanistic investigation on N â†' C^{Î±} 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
52	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
53	Recent advances of transformable nanoparticles for theranostics. Chinese Chemical Letters, 2017, 28, 1808-1816.	4.8	34
54	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

#	Article	IF	Citations
55	Shale-like Co₃O₄for high performance lithium/sodium ion batteries. Journal of Materials Chemistry A, 2016, 4, 8242-8248.	5.2	108
56	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
57	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
58	Synergistic Design of Cathode Region for the High-Energy-Density Liâ€“S Batteries. ACS Applied Materials & Interfaces, 2016, 8, 28689-28699.	4.0	29
59	Understanding the electrochemical properties of A₂MSiO₄ (A = Li and Na; M =) Tj ETQq1 1 0.784314 rgBT /O calculations. Journal of Materials Chemistry A, 2016, 4, 17455-17463.	5.2	35
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	Flexible paper electrodes constructed from Zn₂GeO₄ nanofibers anchored with amorphous carbon for advanced lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 2055-2059.	5.2	21
68	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
69	The multieffects of DMF and DBU on the [5â€‰+â€‰1] benzannulation of nitroethane and Îąâ€alkenoyl keteneâ€(S,S)â€acetals: Hydrogen bonding and electrostatic interactions. Journal of Computational Chemistry, 2015, 36, 731-738.	1.5	6
70	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
71	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
72	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

#	Article	IF	Citations
73	[DBUâ€H]⁺ and H₂o 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
74	Nanoeffects promote the electrochemical properties of organic Na2C8H4O4 as anode material for sodium-ion batteries. Nano Energy, 2015, 13, 450-457.	8.2	139
75	Radical Mechanism of Isocyanide-Alkyne Cycloaddition by Multicatalysis of Ag2CO3, Solvent, and Substrate. ACS Catalysis, 2015, 5, 6177-6184.	5.5	54
76	Li₂FePO₄F and its metal-doping for Li-ion batteries: an ab initio study. RSC Advances, 2014, 4, 50195-50201.	1.7	6
77	LiV₃O₈ nanorods as cathode materials for high-power and long-life rechargeable lithium-ion batteries. RSC Advances, 2014, 4, 25494-25501.	1.7	33
78	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
79	Bis-pyrene-based supramolecular aggregates with reversibly mechanochromic and vapochromic responsiveness. Journal of Materials Chemistry C, 2014, 2, 1887.	2.7	52
80	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
81	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
82	Decametallic Co^{II}â€Clusterâ€Based Microporous Magnetic Framework with a Semirigid Multicoordinating Ligand. Chemistry - A European Journal, 2013, 19, 5097-5103.	1.7	26
83	Three novel 1D lanthanide-carboxylate polymeric complexes: syntheses, crystal structures and magnetic analyses. Dalton Transactions, 2013, 42, 8504.	1.6	41
84	Mechanism Study of the Intramolecular Anti-Michael Addition of N-Alkylfurylacrylacetamides. Journal of Organic Chemistry, 2012, 77, 8744-8749.	1.7	15
85	Theoretical design of blue emitting materials based on symmetric and asymmetric spirosilabifluorene derivatives. Theoretical Chemistry Accounts, 2008, 119, 489-500.	0.5	12
86	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
87	How the Magnetic Field Impacts the Chiroptical Activities of Helical Copper Enantiomers. New Journal of Chemistry, 0, , .	1.4	0