

Lei Feng

List of Publications by Year in descending order

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62
papers

1,764
citations

304743

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302126

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all docs

64
docs citations

64
times ranked

1882
citing authors

#	ARTICLE	IF	CITATIONS
1	Anisotropic Assembly of Ag ₅₂ and Ag ₇₆ Nanoclusters. <i>Journal of the American Chemical Society</i> , 2018, 140, 1600-1603.	13.7	169
2	Tunable Amphiphilicity and Multifunctional Applications of Ionic-Liquid-Modified Carbon Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6919-6925.	8.0	118
3	Dual Chalcogen-Chalcogen Bonding Catalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 3117-3124.	13.7	114
4	Polymorphism in Atomically Precise Cu ₂₃ Nanocluster Incorporating Tetrahedral [Cu ₄] ⁰ Kernel. <i>Journal of the American Chemical Society</i> , 2020, 142, 5834-5841.	13.7	103
5	Diphosphine-protected ultrasmall gold nanoclusters: opened icosahedral Au ₁₃ and heart-shaped Au ₈ clusters. <i>Chemical Science</i> , 2018, 9, 1251-1258.	7.4	86
6	High-Nuclear Organometallic Copper(I)-Alkynide Clusters: Thermochromic Near-Infrared Luminescence and Solution Stability. <i>Chemistry - A European Journal</i> , 2016, 22, 17619-17626.	3.3	65
7	A new highly selective fluorescent turn-on chemosensor for cyanide anion. <i>Talanta</i> , 2015, 137, 38-42.	5.5	63
8	A Water-Stable Cl@Ag ₁₄ Cluster Based Metal-Organic Open Framework for Dichromate Trapping and Bacterial Inhibition. <i>Inorganic Chemistry</i> , 2017, 56, 11891-11899.	4.0	60
9	Revealing the chirality origin and homochirality crystallization of Ag ₁₄ nanocluster at the molecular level. <i>Nature Communications</i> , 2021, 12, 4966.	12.8	57
10	Photoresponsive chiral nanotubes of achiral amphiphilic azobenzene. <i>Soft Matter</i> , 2012, 8, 11492.	2.7	41
11	Toward Controlled Syntheses of Diphosphine-Protected Homochiral Gold Nanoclusters through Precursor Engineering. <i>ACS Nano</i> , 2021, 15, 16019-16029.	14.6	40
12	Functional materials from the covalent modification of reduced graphene oxide and β -cyclodextrin as a drug delivery carrier. <i>New Journal of Chemistry</i> , 2014, 38, 140-145.	2.8	38
13	Compaction and decompaction of DNA dominated by the competition between counterions and DNA associating with cationic aggregates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 105-112.	5.0	38
14	Cascade Approach to Highly Functionalized Biaryls by a Nucleophilic Aromatic Substitution with Arylhydroxylamines. <i>Organic Letters</i> , 2019, 21, 2894-2898.	4.6	38
15	Copper-Catalyzed Tandem <i>o</i> -Vinylolation of Arylhydroxylamines/[3,3]-Rearrangement/Cyclization: Synthesis of Highly Substituted Indoles and Benzoindoles. <i>ACS Catalysis</i> , 2019, 9, 3906-3912.	11.2	36
16	Precise Implantation of an Archimedean Ag@Cu ₁₂ Cuboctahedron into a Platonic Cu ₄ Bis(diphenylphosphino)hexane ₆ Tetrahedron. <i>ACS Nano</i> , 2021, 15, 8733-8741.	14.6	33
17	Direct Cyclization of Tertiary Aryl Amines with Iodonium Ylides. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3792-3796.	13.8	32
18	One-pot three-component synthesis of quinazolines via a copper-catalysed oxidative amination reaction. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6561-6567.	2.8	30

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19	Ordered DNA-Surfactant Hybrid Nanospheres Triggered by Magnetic Cationic Surfactants for Photon- and Magneto-Manipulated Drug Delivery and Release. <i>Biomacromolecules</i> , 2015, 16, 4004-4012.	5.4	29
20	Revisit Electrolyte Chemistry of Hard Carbon in Ether for Na Storage. <i>Jacs Au</i> , 2021, 1, 1208-1216.	7.9	28
21	A highly selective and sensitive acylhydrazone-based turn-on optical sensor for Al ³⁺ . <i>RSC Advances</i> , 2016, 6, 28034-28037.	3.6	27
22	Solvent-controlled Condensation of [Mo ₂ O ₅ (PTC4A) ₂] ⁶⁺ Metalloligand in Stepwise Assembly of Hexagonal and Rectangular Ag ₁₈ Nanoclusters. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	27
23	In Situ Capture of a Ternary Supramolecular Cluster in a 58-Nuclei Silver Supertetrahedron. <i>CCS Chemistry</i> , 2022, 4, 1788-1795.	7.8	26
24	Dynamic Covalent Bond Cross-linked Luminescent Silicone Elastomer with Self-healing and Recyclable Properties. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100885.	3.9	26
25	A Parent Iron Amido Complex in Catalysis of Ammonia Oxidation. <i>Journal of the American Chemical Society</i> , 2022, 144, 4365-4375.	13.7	26
26	Robust Heterometallic Co ^{II} La ^{III} ₂ Organic Framework for the Highly Efficient Separation of Acetylene from Light Hydrocarbon Mixtures. <i>Inorganic Chemistry</i> , 2021, 60, 2878-2882.	4.0	23
27	Anionic passivation layer-assisted trapping of an icosahedral Ag ₁₃ kernel in a truncated tetrahedral Ag ₈₉ nanocluster. <i>Science China Chemistry</i> , 2021, 64, 1482-1486.	8.2	23
28	Transition-metal-free aerobic C=O bond formation via C=N bond cleavage. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1077-1081.	4.5	22
29	Photo-responsive magnetic mesoporous silica nanocomposites for magnetic targeted cancer therapy. <i>New Journal of Chemistry</i> , 2019, 43, 4908-4918.	2.8	19
30	Octagold selenido nanoclusters: Significance of surface ligands on tuning geometric and electronic structure of Au ₈ Se ₂ kernel. <i>Nano Research</i> , 2021, 14, 3343-3351.	10.4	19
31	Direct and metal-free oxidative amination of sp ³ C-H bonds for the construction of 2-hetarylquinazolin-4(3H)-ones. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1096-1099.	4.5	17
32	Core engineering of paired core-shell silver nanoclusters. <i>Science China Chemistry</i> , 2021, 64, 2118-2124.	8.2	17
33	A multi pathway coupled domino strategy: I ₂ /TBHP-promoted synthesis of imidazopyridines and thiazoles via sp ³ , sp ² and sp C-H functionalization. <i>RSC Advances</i> , 2022, 12, 5919-5927.	3.6	17
34	Self-assembly, structures, magnetic properties and solution behaviors of six mixed-valence cobalt clusters. <i>CrystEngComm</i> , 2017, 19, 5897-5906.	2.6	16
35	Vesicle transition of catanionic redox-switchable surfactants controlled by DNA with different chain lengths. <i>Journal of Colloid and Interface Science</i> , 2019, 549, 89-97.	9.4	16
36	Stable ZnO/ionic liquid hybrid materials: novel dual-responsive superhydrophobic layers to light and anions. <i>Science China Chemistry</i> , 2014, 57, 1002-1009.	8.2	15

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37	Copper(II)-Assisted Ligand Fragmentation Leading to Three Families of Metallamacrocyclic. <i>Inorganic Chemistry</i> , 2020, 59, 13524-13532.	4.0	14
38	KI ⁺ -Mediated One-Pot Transition-Metal-Free Synthesis of 4-Phenylpyrrolo[1,2-a]quinoxalines. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 4950-4956.	2.4	14
39	Analysis of the Resveratrol-binding Protein using Phage-displayed Random Peptide Library. <i>Acta Biochimica Et Biophysica Sinica</i> , 2006, 38, 342-348.	2.0	13
40	Thermo-reversible capture and release of DNA by zwitterionic surfactants. <i>Soft Matter</i> , 2016, 12, 7495-7504.	2.7	13
41	Lysine-based chiral vesicles. <i>Journal of Colloid and Interface Science</i> , 2014, 431, 233-240.	9.4	12
42	Metal-Free β -Amino Alcohol Synthesis: A Two-step Smiles Rearrangement. <i>Journal of Organic Chemistry</i> , 2020, 85, 14905-14915.	3.2	12
43	PTSA-catalyzed one-pot synthesis of quinoxalines using DMSO as the oxidant. <i>Synthetic Communications</i> , 2016, 46, 1507-1518.	2.1	11
44	Direct Cyclization of Tertiary Aryl Amines with Iodonium Ylides. <i>Angewandte Chemie</i> , 2018, 130, 3854-3858.	2.0	11
45	Zwitterionic Surfactant Micelle-Directed Self-Assembly of Eu-Containing Polyoxometalate into Organized Nanobelts with Improved Emission and pH Responsiveness. <i>Langmuir</i> , 2019, 35, 4370-4379.	3.5	11
46	Cascade Chan-Elm-C ⁺ O Coupling/[3,3]-Rearrangement of Arylhydroxylamines with Arylboronic Acids Toward NOBIN Analogues. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1733-1738.	4.3	11
47	A Tetradecanuclear Organometallic Copper(I)-Alkynide Cluster: Synthesis, Crystal Structure, and Luminescent Property. <i>Journal of Cluster Science</i> , 2018, 29, 1017-1022.	3.3	10
48	A rod-like hexanuclear nickel cluster based on a bi(pyrazole-alcohol) ligand: structure, electrospray ionization mass spectrometry, magnetism and photocurrent response. <i>New Journal of Chemistry</i> , 2020, 44, 7152-7157.	2.8	9
49	Preparative Isolation and Purification of Prim ⁺ -Glucosyl ⁺ Cinnifugin and 4 ⁺ - ⁺ - ⁺ -Glucosyl ⁺ 5 ⁺ -Methylvisamminol from <i>Radix saposchnikoviae</i> by High Speed Countercurrent LC Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006, 29, 751-759.		8
50	Regioselective Synthesis of Phenoxathiin Derivatives under Transition-Metal-Free Conditions. <i>Synthesis</i> , 2013, 45, 966-970.	2.3	8
51	Exome sequencing identifies a novel UNC5D mutation in a severe myopic anisometropia family. <i>Medicine (United States)</i> , 2017, 96, e7138.	1.0	8
52	Water-in-Water Emulsions, Ultralow Interfacial Tension, and Biolubrication. <i>CCS Chemistry</i> , 2022, 4, 2102-2114.	7.8	8
53	Dehydrogenation of iron amido-borane and resaturation of the imino-borane complex. <i>Chemical Science</i> , 2021, 12, 2885-2889.	7.4	7
54	Silica ⁺ Organometallic One-Dimensional Hybrid Employing a Ag ⁺ ₄ -C Bond Connecting Alternating Ag ₄ (NO ₃) ₄ and Octavinylsilsesquioxane. <i>Inorganic Chemistry</i> , 2021, 60, 2899-2904.	4.0	6

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55	Thermally Hypsochromic or Bathochromic Emissions? The Silver Nuclei Does Matter. <i>Small</i> , 2022, 18, e2104524.	10.0	6
56	Self-assembly of a nonanuclear Ni ^{II} cluster <i>via</i> atmospheric CO ₂ fixation: synthesis, structure, collision-induced dissociation mass spectrometry and magnetic property. <i>Dalton Transactions</i> , 2020, 49, 10977-10982.	3.3	5
57	A bioaugmentation agent allowing the advanced treatment of refractory refinery wastewater in a biological aerated filter and analysis of its microbial community. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 1258-1269.	3.2	4
58	Drug Implants of Hydrogels via Collective Behavior of Microgel Colloids for On-Demand Cancer Therapy. <i>ACS Applied Bio Materials</i> , 2019, 2, 1531-1541.	4.6	3
59	Insertion of BH ₃ into a Cobalt ^{II} Aryl Bond: Synthetic Routes to Arylborohydride and Borane-Amino Hydride Complexes. <i>Organometallics</i> , 2021, 40, 1692-1698.	2.3	3
60	Compaction of DNA using C12EO4 cooperated with Fe ³⁺ . <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 144, 355-365.	5.0	1
61	Research on power coupling characteristics and acceleration strategy of electro-hydrostatic hydraulic hybrid power system. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2021, 235, 1445-1459.	1.0	1
62	Single, Self-Born RP-Au-PR Motif Boosts 19-Fold Photoluminescence Quantum Yield of Metal Nanocluster. <i>Acta Chimica Sinica</i> , 2022, 80, 1.	1.4	1