Tingting Lu

List of Publications by Year
in descending order

69 papers	3,768 citations	147801 31 h-index	133252 59 g-index
75 all docs	75 docs citations	75 times ranked	4398 citing authors

#	Article	IF	Citations
1	Zeolite-coated mesh film for efficient oilâ€“water separation. Chemical Science, 2013, 4, 591-595.	7.4	377
2	Accelerated crystallization of zeolites via hydroxyl free radicals. Science, 2016, 351, 1188-1191.	12.6	297
3	Nanosize-Enhanced Lifetime of SAPO-34 Catalysts in Methanol-to-Olefin Reactions. Journal of Physical Chemistry C, 2013, 117, 8214-8222.	3.1	224
4	Incorporation of Rare-Earth Complex Eu(TTA)4C5H5NC16H33 into Surface-Modified Siâ^'MCM-41 and Its Photophysical Properties. Chemistry of Materials, 2002, 14, 549-555.	6.7	207
5	Rational Design and Functionalization of a Zinc Metalâ€“Organic Framework for Highly Selective Detection of 2,4,6-Trinitrophenol. ACS Applied Materials & Interfaces, 2017, 9, 23828-23835.	8.0	154
6	Synthesis and Characterization of High-Quality Zeolite LTA and FAU Single Nanocrystals. Chemistry of Materials, 1998, 10, 1483-1486.	6.7	147
7	Distinguishing the Silanol Groups in the Mesoporous Molecular Sieve MCM-41. Angewandte Chemie International Edition in English, 1996, 34, 2694-2696.	4.4	132
8	Chiral zeolitic materials: structural insights and synthetic challenges. Journal of Materials Chemistry, 2008, 18, 4021.	6.7	122
9	Removal of Zn2+, Pb2+, Cd2+, and Cu2+ from aqueous solution by synthetic clinoptilolite. Microporous and Mesoporous Materials, 2019, 273, 203-211.	4.4	103
10	Luminescent microporous organic polymers containing the 1,3,5-tri(4-ethenylphenyl)benzene unit constructed by Heck coupling reaction. Polymer Chemistry, 2013, 4, 1932.	3.9	97
11	Fabrication of SAPO-34 Crystals with Different Morphologies by Microwave Heating. Topics in Catalysis, 2010, 53, 1304-1310.	2.8	88
12	Heteroatomâ€Stabilized Chiral Framework of Aluminophosphate Molecular Sieves. Angewandte Chemie - International Edition, 2009, 48, 314-317.	13.8	87
13	Structures and Templating Effect in the Formation of 2D Layered Aluminophosphates with Al3P4O163-Stoichiometry. Chemistry of Materials, 1999, 11, 2600-2606.	6.7	76
14	An open-framework zinc phosphate with Znï£¿Oï£¿Zn linkages. Advanced Materials, 1994, 6, 679-680.	21.0	70
15	The Uncommon Channelâ€Based Lnâ€MOFs for Highly Selective Fe³⁺ Detection and Superior Rhodamineâ€…B Adsorption. Chemistry - A European Journal, 2016, 22, 16230-16235.	3.3	70
16	A one-pot synthetic strategy via tandem Suzukiâ€“Heck reactions for the construction of luminescent microporous organic polymers. Polymer Chemistry, 2014, 5, 471-478.	3.9	67
17	TemplateÂassisted selfÂassembly of macroâ€“micro bifunctional porous materials. Journal of Materials Chemistry, 2001, 11, 1687-1693.	6.7	61
18	Synthesis and Characterization of a Family of Amine-Intercatalated Lamellar Aluminophosphates from Alcoholic System. Chemistry of Materials, 1997, 9, 457-462.	6.7	60

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19	2H3OÂ·[Co8(HPO3)9(CH3OH)3]Â·2H2O: An Open-Framework Cobalt Phosphite Containing Extra-Large 18-Ring Channels. Chemistry of Materials, 2008, 20, 17-19.	6.7	57
20	Investigation of Extra-Large Pore Zeolite Synthesis by a High-Throughput Approach. Chemistry of Materials, 2011, 23, 4709-4715.	6.7	53
21	Hydrothermal synthesis and characterization of a new inorganicâ€“organic hybrid layered zinc phosphateâ€“phosphite (C6H15N2)2Zn4(PO4)2(HPO3)2. Dalton Transactions RSC, 2002, , 4060-4063.	2.3	52
22	Hydrothermal Synthesis of Tetragonal Barium Titanate from Barium Hydroxide and Titanium Dioxide under Moderate Conditions. Journal of the American Ceramic Society, 1999, 82, 3254-3256.	3.8	51
23	Chiral zeolite beta: structure, synthesis, and application. Inorganic Chemistry Frontiers, 2019, 6, 1938-1951.	6.0	47
24	Synthesis of chiral polymorph A-enriched zeolite Beta with an extremely concentrated fluoride route. Scientific Reports, 2015, 5, 11521.	3.3	43
25	A novel open-framework aluminophosphate [AlP2O6(OH)2][H3O] containing propeller-like chiral motifs. Chemical Communications, 2000, , 1431-1432.	4.1	37
26	Towards Rational Synthesis of Microporous Aluminophosphate AlPO4-21 by Hydrothermal Combinatorial Approach. Topics in Catalysis, 2005, 35, 3-8.	2.8	37
27	Absorption spectra of Se and HgI2 chains in channels of AlPO4-5 single crystal. Applied Physics Letters, 1997, 70, 34-36.	3.3	36
28	Assembly of one-dimensional AlP2O83â^'chains into three-dimensional MAlP2O8Â·C2N2H9frameworks through transition metal cations (M = Ni2+, Co2+and Fe2+). Dalton Transactions, 2003, , 99-103.	3.3	36
29	Hydrothermal Synthesis of Complex Fluorides NaHoF4and NaEuF4with Fluorite Structures under Mild Conditions. Chemistry of Materials, 1997, 9, 2966-2968.	6.7	34
30	New Developments in Microporous Materials. Advanced Materials, 1999, 11, 1091-1099.	21.0	30
31	Infrared Study on the Dehydroxylation of C60-Loaded MCM-41. Langmuir, 1997, 13, 2050-2054.	3.5	28
32	Preparation, characterization and photophysical properties of layered zirconium bis(monohydrogenphosphate) intercalated with rare earth complexes. Journal of Materials Chemistry, 2000, 10, 2532-2536.	6.7	28
33	A new layered aluminophosphate [C4H12N2][Al2P2O8(OH)2] templated by piperazine. Journal of Materials Chemistry, 2001, 11, 1898-1902.	6.7	28
34	Synthesis and characterization of a new three-dimensional aluminophosphate [Al11P12O48][C4H12N2][C4H11N2] with an Al/P ratio of 11â€…â^¶â€…12. Dalton Transactions RSC, 2001, , 1809-1812.	2.3	26
35	Zur Unterscheidung der Silanolgruppen im mesoporÃ¶sen Molekularsieb MCMâ€41. Angewandte Chemie, 1995, 107, 2898-2900.	2.0	21
36	Hydrothermal Synthesis, Characterization, and Ionic Conductivity of Vanadium-Stabilized Bi17V3O33with Fluorite-Related Superlattice Structure. Chemistry of Materials, 1998, 10, 2446-2449.	6.7	21

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37	(C6H10N3O2)Zn2(HPO4)(PO4)Â·H2O: An inorganic network with biofunctional amino acid dl-histidine molecules. CrystEngComm, 2008, 10, 497.	2.6	19
38	An elaborate structure investigation of the chiral polymorph A-enriched zeolite beta. CrystEngComm, 2016, 18, 1782-1789.	2.6	19
39	Oriented Crystallization of KH2PO4under a Compressed Langmuir Monolayer. Langmuir, 1999, 15, 4837-4841.	3.5	17
40	Synthesis, structure and magnetic property of a new organo-templated mixed-valent iron(ii, iii) borophosphate. Journal of Materials Chemistry, 2009, 19, 4523.	6.7	16
41	NaEu₃(GeO₄)₂(OH)₂: A Highâ€Pressureâ€Stable Photoluminescent Lanthanide Germanate. European Journal of Inorganic Chemistry, 2012, 2012, 2527-2532.	2.0	16
42	A bioscaffolding strategy for hierarchical zeolites with a nanotube-trimodal network. Chemical Science, 2016, 7, 1582-1587.	7.4	16
43	Towards a new discipline of Condensed Matter Chemistry. National Science Review, 2018, 5, 1-1.	9.5	16
44	Database of open-framework aluminophosphate syntheses: introduction and application (I). Science in China Series B: Chemistry, 2009, 52, 1734-1738.	0.8	15
45	Hydrothermal synthesis of an ITH-type germanosilicate zeolite in a non-concentrated gel system. Journal of Porous Materials, 2013, 20, 975-981.	2.6	14
46	Origin of the structure-directing effect resulting in identical topological open-framework materials. Scientific Reports, 2015, 5, 14940.	3.3	14
47	Condensed-matter chemistry: from materials to living organisms. National Science Review, 2019, 6, 191-194.	9.5	14
48	Covalent Bonding of Phosphonates ofL-Proline andL-Cysteine toÎ³-Zirconium Phosphate. European Journal of Inorganic Chemistry, 2004, 2004, 2956-2960.	2.0	13
49	Na8CeSi6O18and Its Ti-Doped Analogue Na8Ce0.73Ti0.27Si6O18with Interesting Photovoltaic Properties. Chemistry of Materials, 2011, 23, 2842-2847.	6.7	13
50	Stellerite-seeded facile synthesis of zeolite heulandite with exceptional aqueous Cd²⁺ capture performance. Inorganic Chemistry Frontiers, 2019, 6, 1785-1792.	6.0	13
51	Identification of the key factor promoting the enrichment of chiral polymorph A in zeolite beta and the synthesis of chiral polymorph A highly enriched zeolite beta. Inorganic Chemistry Frontiers, 2018, 5, 1640-1645.	6.0	12
52	The high dispersion of CuCl2 in NaZSM-5 by using microwave technique. Catalysis Letters, 1994, 26, 209-215.	2.6	11
53	Helical chain observed under transmission electron microscope: Synthesis and structure refinement of lutetium disilicate Lu2Si2O7. CrystEngComm, 2010, 12, 1617.	2.6	11
54	The structure-directing effect of n-propylamine in the crystallization of open-framework aluminophosphates. Science China Chemistry, 2014, 57, 127-134.	8.2	10

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55	A green route for the crystallization of a chiral polymorph A-enriched zeolite beta. Inorganic Chemistry Frontiers, 2018, 5, 802-805.	6.0	9
56	Synthesis and Pressureâ€induced Reversible Phase Transition of a Crystalline Solid Europium Germanate NaEuGeO₄. Chinese Journal of Chemistry, 2012, 30, 2066-2072.	4.9	8
57	A New 3-D Open-Framework Zinc Phosphate [C6H16N2]Â·[Zn2(HPO4)3] Synthesized by a Solvothermal Combinatorial Approach. European Journal of Inorganic Chemistry, 2004, 2004, 3718.	2.0	6
58	Synthesis of Pure Silica Zeolites. Chemical Research in Chinese Universities, 2022, 38, 9-17.	2.6	6
59	A Germanate Compound Constructed from Dissymmetric Ge₇ Chains and Metal Complexes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1345-1350.	1.2	4
60	Temperature-dependence of the influence of the position-2-methyl group on the structure-directing effect of piperazine in the synthesis of open-framework aluminophosphates. Scientific Reports, 2016, 6, 22019.	3.3	4
61	Structure-directing effect on synthesis of layered aluminophosphates with same topology. Chemical Research in Chinese Universities, 2017, 33, 513-519.	2.6	4
62	Reducing the dosage of the organic structure-directing agent in the crystallization of pure silica zeolite MFI (silicalite-1) for volatile organic compounds (VOCs) adsorption. Inorganic Chemistry Frontiers, 2021, 8, 3354-3362.	6.0	4
63	The High Dispersion of CuCl2 in ZSM-5 by Using Microwave Method. Materials Research Society Symposia Proceedings, 1994, 344, 139.	0.1	3
64	A Zinc Phosphate Structure with Unusual Doubleâ€Sheet Layers Templated by a Cobalt Hexaammine Complex. European Journal of Inorganic Chemistry, 2012, 2012, 36-39.	2.0	3
65	Influence of fluoride ions on the structure-directing effect of organic amine in the synthesis of aluminophosphate open-frameworks. Chemical Research in Chinese Universities, 2017, 33, 853-859.	2.6	3
66	[Cu(en)2]0.5[Al3P3O12(OH)]-aluminophosphate with zeotype AWO: Synthesis, crystal structure and phase transformation. Science China Chemistry, 2010, 53, 2159-2163.	8.2	2
67	One-pot synthesis of Ag@silicalite-1 using different silver amine complexes and their performance for styrene oxidation. New Journal of Chemistry, 2021, 45, 21293-21298.	2.8	2
68	Ship-in-a-bottle formation of Ru3(CO)12 in zeolite NaY. Reaction Kinetics and Catalysis Letters, 1997, 61, 383-389.	0.6	1
69	Green hydrothermal synthesis of high-quality ZnS quantum dots with different patterning. , 2008, , .		0