

Zhi'en Lin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	CsSbF ₂ SO ₄ : An Excellent Ultraviolet Nonlinear Optical Sulfate with a KTiOPO ₄ (KTP)-type Structure. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6528-6534.	13.8	280
2	K ₂ Sb(P ₂ O ₇)F: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21151-21156.	13.8	156
3	Perfect balance harmony in Ba ₂ NO ₃ (OH) ₃ : a beryllium-free nitrate as a UV nonlinear optical material. <i>Chemical Communications</i> , 2018, 54, 5792-5795.	4.1	143
4	Cs ₃ VO(O ₂) ₂ CO ₃ : an exceptionally thermostable carbonatoperoxovanadate with an extremely large second-harmonic generation response. <i>Chemical Science</i> , 2018, 9, 8957-8961.	7.4	107
5	High-performance Sulfate Optical Materials Exhibiting Giant Second Harmonic Generation and Large Birefringence. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	94
6	CsSbF ₂ SO ₄ : An Excellent Ultraviolet Nonlinear Optical Sulfate with a KTiOPO ₄ (KTP)-type Structure. <i>Angewandte Chemie</i> , 2019, 131, 6598-6604.	2.0	72
7	A 3,4-Connected Beryllium Phosphite Framework Containing 24-Ring Channels with a Very Low Density. <i>Inorganic Chemistry</i> , 2011, 50, 8697-8699.	4.0	59
8	Plasma-catalysed reaction M ⁿ⁺ + H ⁺ MOFs: facile and tunable construction of metal-organic frameworks in dielectric barrier discharge. <i>Chemical Communications</i> , 2019, 55, 12192-12195.	4.1	43
9	Y ₈ O(OH) ₁₅ (CO ₃) ₃ Cl: an excellent short-wave UV nonlinear optical material exhibiting an infrequent three-dimensional inorganic cationic framework. <i>Chemical Communications</i> , 2019, 55, 4538-4541.	4.1	43
10	A ₆ Sb ₄ F ₁₂ (SO ₄) ₃ (A = Rb, Cs): Two Novel Antimony Fluoride Sulfates with Unique Crown-like Clusters. <i>Inorganic Chemistry</i> , 2020, 59, 8345-8352.	4.0	35
11	Solvent-Free Synthesis of Crystalline Metal Phosphate Oxalates with a (4,6)-Connected fsh Topology. <i>Inorganic Chemistry</i> , 2015, 54, 9387-9389.	4.0	34
12	Supramolecular Templating Approach for the Solvent-Free Synthesis of Open-Framework Metal Oxalates. <i>Inorganic Chemistry</i> , 2016, 55, 7817-7819.	4.0	32
13	CsHgNO ₃ Cl ₂ : A New Nitrate UV Birefringent Material Exhibiting an Optimized Layered Structure. <i>Inorganic Chemistry</i> , 2020, 59, 12578-12585.	4.0	32
14	Transformation of a Layered Zinc Phosphite to a Three-Dimensional Open-Framework Structure with Intersecting 16- and 12-Ring Channels. <i>Inorganic Chemistry</i> , 2009, 48, 3517-3519.	4.0	29
15	Solvent-free synthesis of new metal phosphite-oxalates with open-framework structures. <i>Dalton Transactions</i> , 2014, 43, 7695-7698.	3.3	28
16	Exploration of new water stable proton-conducting materials in an amino acid-templated metal phosphate system. <i>Dalton Transactions</i> , 2018, 47, 654-658.	3.3	26
17	K ₂ Sb(P ₂ O ₇)F: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance. <i>Angewandte Chemie</i> , 2020, 132, 21337-21342.	2.0	26
18	Ionothermal Synthesis of Open-Framework Metal Phosphates Using a Multifunctional Ionic Liquid. <i>Inorganic Chemistry</i> , 2018, 57, 8726-8729.	4.0	25

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19	(C ₂ H ₈ N) ₂ [Be ₃ (HPO ₃) ₄]: a low-density beryllium phosphite with large 16-membered rings and helical channels. <i>CrystEngComm</i> , 2011, 13, 3646.	2.6	24
20	A 36-Membered Ring Metal Chalcogenide with a Very Low Framework Density. <i>Inorganic Chemistry</i> , 2017, 56, 14730-14733.	4.0	23
21	Atomically precise metal-chalcogenide semiconductor molecular nanoclusters with high dispersibility: Designed synthesis and intracluster photocarrier dynamics. <i>Nano Research</i> , 2020, 13, 2828-2836.	10.4	22
22	The First Observation on Dual Self-Closed and Extended Assembly Modes in Supertetrahedral T3 Cluster Based Open-Framework Chalcogenide. <i>Crystal Growth and Design</i> , 2017, 17, 2936-2940.	3.0	21
23	Crystalline beryllium carboxylate frameworks containing inorganic chains of BeO ₄ tetrahedra. <i>CrystEngComm</i> , 2013, 15, 1845.	2.6	20
24	Surfactant-Thermal Synthesis of Amino Acid-Templated Zinc Phosphates with 3-Connected Nets Related to Zeolite ABW. <i>Inorganic Chemistry</i> , 2019, 58, 4089-4092.	4.0	20
25	Amine-Ligated Approach for the Synthesis of Extra-Large-Pore Zinc Phosphites with qtz-h and bnn Topologies. <i>Inorganic Chemistry</i> , 2016, 55, 3727-3729.	4.0	19
26	Crystalline beryllium carboxylate frameworks with rutile-type and cubic-C ₃ N ₄ topologies. <i>CrystEngComm</i> , 2012, 14, 95-97.	2.6	18
27	Solvent-free synthesis of new open-framework oxalate structures. <i>CrystEngComm</i> , 2012, 14, 5734.	2.6	18
28	Solvent-free synthesis of new metal phosphate oxalates: influence of different metal ions on the framework structures. <i>Dalton Transactions</i> , 2015, 44, 13485-13489.	3.3	18
29	Stabilization of the Pentazolate Anion in a Zeolitic Architecture with Na ₂₀ N ₆₀ and Na ₂₄ N ₆₀ Nanocages. <i>Angewandte Chemie</i> , 2018, 130, 2622-2625.	2.0	18
30	Microporous Metal-Organic Frameworks Based on Zinc Clusters and Their Fluorescence Enhancements towards Acetone and Chloroform. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3411-3416.	2.0	17
31	An Unusual Metal Chalcogenide Zeolitic Framework Built from the Extended Spiro-5 Units with Supertetrahedral Clusters as Nodes. <i>Inorganic Chemistry</i> , 2018, 57, 921-925.	4.0	17
32	Using Multifunctional Ionic Liquids in the Synthesis of Crystalline Metal Phosphites and Hybrid Framework Solids. <i>Inorganic Chemistry</i> , 2018, 57, 14031-14034.	4.0	17
33	Unprecedented boat-shaped [Mo ₂ O ₅ (IO ₃) ₄] ²⁺ polyanions induced a strong second harmonic generation response. <i>Chemical Communications</i> , 2022, 58, 3350-3353.	4.1	16
34	Solvent-free synthesis of new manganese phosphate oxalate hybrid solids. <i>CrystEngComm</i> , 2013, 15, 5602.	2.6	15
35	Corrugated 1D Hybrid Metal Halide [C ₆ H ₇ ClN]CdCl ₃ Exhibiting Broadband White-Light Emission. <i>Inorganic Chemistry</i> , 2022, 61, 4752-4759.	4.0	15
36	Solvent-free synthesis of new magnesium phosphate oxalates displaying diverse framework topologies. <i>CrystEngComm</i> , 2015, 17, 9296-9299.	2.6	14

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37	Layered Perovskite-like Nitrate Cs ₂ Pb(NO ₃) ₂ Br ₂ as a Multifunctional Optical Material. <i>Inorganic Chemistry</i> , 2022, 61, 4184-4192.	4.0	14
38	Homochiral Hybrid Organic-Inorganic Cadmium Chlorides Directed by Enantiopure Amino Acids. <i>Inorganic Chemistry</i> , 2022, 61, 11032-11035.	4.0	14
39	Two low-dimensional metal halides: ionothermal synthesis, photoluminescence, and nonlinear optical properties. <i>Dalton Transactions</i> , 2019, 48, 17451-17455.	3.3	13
40	Metal phosphate-oxalates with unique framework topologies: Solvent-free synthesis, water stability, and proton conduction. <i>Journal of Solid State Chemistry</i> , 2020, 292, 121709.	2.9	13
41	Open-framework beryllium phosphates with a zeolitic CrB ₄ topology and their structural analogues containing 12-ring channels. <i>CrystEngComm</i> , 2015, 17, 2162-2167.	2.6	12
42	A Hybrid Open-Framework Structure Containing Different Manganese Phosphate Chains as Its Building Blocks. <i>Inorganic Chemistry</i> , 2015, 54, 19-21.	4.0	12
43	Solvent-free synthesis of new metal sulfate-oxalates containing chain-like building blocks. <i>Inorganic Chemistry Communication</i> , 2016, 63, 20-23.	3.9	12
44	Water-in-oil microemulsion method preparation and capacitance performance study of Li ₄ Mn ₅ O ₁₂ . <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 1509-1513.	2.5	11
45	Li ₄ Mn ₅ O ₁₂ prepared using L-lysine as additive and its electrochemical performance. <i>Ionics</i> , 2013, 19, 1483-1487.	2.4	11
46	Water stable oxalate-based coordination polymers with <i>in situ</i> generated cyclic dipeptides showing high proton conductivity. <i>Dalton Transactions</i> , 2018, 47, 15288-15292.	3.3	10
47	Cluster-oxalate frameworks with extra-large channels: solvent-free synthesis, chemical stability, and proton conduction. <i>Dalton Transactions</i> , 2019, 48, 13130-13134.	3.3	10
48	Three-Dimensional Superlattices Based on Unusual Chalcogenide Supertetrahedral In-Sn-S Nanoclusters. <i>Inorganic Chemistry</i> , 2019, 58, 31-34.	4.0	10
49	Two amino acid-templated metal phosphates: surfactant-thermal synthesis, water stability, and proton conduction. <i>Dalton Transactions</i> , 2020, 49, 5440-5444.	3.3	10
50	Enhanced Interlayer Interaction and Second-Harmonic-Generation Response in a KBe ₂ BO ₃ F ₂ -Type Inorganic-Organic Hybrid Zinc Borate. <i>Inorganic Chemistry</i> , 2022, 61, 6720-6724.	4.0	10
51	Flux synthesis of two new open-framework zinc phosphites with 16-ring channels. <i>Microporous and Mesoporous Materials</i> , 2010, 131, 418-422.	4.4	9
52	Open-Framework Beryllium Phosphites with Layered Structures. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4949-4953.	2.0	9
53	Organically templated metal phosphate-oxalates: Solvent-free synthesis, crystal structure, and proton conduction. <i>Inorganic Chemistry Communication</i> , 2021, 124, 108403.	3.9	9
54	Structural Transformation of Three-Dimensional Bimetallic Phosphites Containing Corner-Sharing 4-Ring Chains. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 2391-2395.	1.2	8

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55	Organically templated metal sulfate-oxalates: Solvent-free synthesis, crystal structure, and proton conduction. <i>Journal of Solid State Chemistry</i> , 2019, 276, 1-5.	2.9	8
56	A Ti-MOF Decorated With a Pt Nanoparticle Cocatalyst for Efficient Photocatalytic H ₂ Evolution: A Theoretical Study. <i>Frontiers in Chemistry</i> , 2020, 8, 660.	3.6	8
57	Three-dimensional all-inorganic dual halogen emitter Cs ₂ Cd ₂ BrCl ₅ exhibiting broadband white-light emission. <i>Journal of Materials Chemistry C</i> , 2022, 10, 13844-13850.	5.5	8
58	High-performance Sulfate Optical Materials Exhibiting Giant Second Harmonic Generation and Large Birefringence. <i>Angewandte Chemie</i> , 2022, 134, e202116790.	2.0	8
59	Solvent-free synthesis of new metal phosphate-oxalates with helical-chain and slablike structures. <i>Inorganic Chemistry Communication</i> , 2017, 75, 46-48.	3.9	7
60	Crystalline metal phosphates with layered structures: Synthesis, luminescence, and proton conduction. <i>Journal of Solid State Chemistry</i> , 2020, 282, 121067.	2.9	7
61	Solvothermal Synthesis of New Luminescent Zinc(II) Coordination Polymers with One-dimensional Homochiral Structures. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 2535-2538.	1.2	6
62	Solvothermal synthesis of new open-framework metal phosphites with structure-directing agents generated in situ. <i>Solid State Sciences</i> , 2013, 19, 80-84.	3.2	6
63	Amino acid-templated zinc phosphites: low-dimensional structures, fluorescence, and nonlinear optical properties. <i>Dalton Transactions</i> , 2021, 50, 5442-5445.	3.3	6
64	Isonicotinic acid-templated metal phosphate-oxalates: solvent-free synthesis, luminescence, and proton conduction. <i>CrystEngComm</i> , 2021, 23, 6855-6858.	2.6	6
65	<i>N</i> -Methylimidazolium containing metal phosphate-oxalates: solvent-free synthesis, crystal structure, and proton conduction. <i>CrystEngComm</i> , 2022, 24, 743-746.	2.6	6
66	Ionothermal synthesis of crystalline metal phosphites using multifunctional protic ionic liquids. <i>CrystEngComm</i> , 2020, 22, 6096-6100.	2.6	5
67	Indium phosphate oxalates with layered structures: Solvent-free approach, hydrothermal stability, and proton conduction. <i>Inorganic Chemistry Communication</i> , 2021, 133, 108975.	3.9	5
68	Open-Framework Beryllium Hydrogen Phosphates with (3,4)-Connected Networks. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2025-2028.	2.0	4
69	Solvent-free synthesis of metal phosphate-oxalates with layered and zeolitic structures. <i>Inorganic Chemistry Communication</i> , 2018, 96, 65-68.	3.9	4
70	Pillared-layered indium phosphites templated by amino acids: isorecticular structures, water stability, and fluorescence. <i>Dalton Transactions</i> , 2020, 49, 14766-14770.	3.3	4
71	Two open-framework zinc phosphites constructed from different secondary building units. <i>Inorganic Chemistry Communication</i> , 2016, 72, 96-99.	3.9	2
72	Organically templated metal phosphites: Ionothermal synthesis, crystal structure, and proton conduction. <i>Inorganic Chemistry Communication</i> , 2019, 107, 107476.	3.9	2

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73	Reply to the Correspondence on $K_2Sb(P_2O_7)F$: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3856-3857.	13.8	2
74	Open-framework scandium phosphate-oxalates: Solvent-free synthesis, proton conduction, and luminescence. <i>Inorganic Chemistry Communication</i> , 2022, 140, 109430.	3.9	2
75	"Pearls in paddy field": monodisperse boron-doped diamond microspheres produced in a silica-nanosphere-layers matrix by chemical vapor deposition. <i>RSC Advances</i> , 2011, 1, 1701.	3.6	1
76	A Layered Zinc(II) Coordination Polymer Containing Infinite $Zn-S-Zn$ Chains and its Cluster-like Derivative. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 2605-2608.	1.2	1
77	Reply to the Correspondence on $K_2Sb(P_2O_7)F$: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance. <i>Angewandte Chemie</i> , 2021, 133, 3900-3901.	2.0	0