Fang Kong

List of Publications by Year
in descending order

70 papers	3,502 citations	136740 32 h-index	138251 58 g-index
71 all docs	71 docs citations	71 times ranked	1222 citing authors

#	Article	IF	Citations
1	Na₃Ti₃O₃(SeO₃)₄F: A Phase-Matchable Nonlinear-Optical Crystal with Enlarged Second-Harmonic-Generation Intensity and Band Gap. Inorganic Chemistry, 2022, 61, 2686-2694.	1.9	12
2	K₃ZrF₄(SbF₄)(SbF₅) and K₈(ZrF₆)(Sb₂Zr₂F₂₀): Two Zirconium Fluoroantimonites with Low Dimensional Structures and Wide Transparency Range. Inorganic Chemistry, 2022, 61, 4801-4805.	1.9	5
3	Y₂(Te₄O₁₀)(SO₄): a new sulfate tellurite with a unique Te₄O₁₀ polyanion and large birefringence. Inorganic Chemistry Frontiers, 2021, 8, 164-172.	3.0	23
4	Hg₃(Te₃O₈)(SO₄): a new sulfate tellurite with a novel structure and large birefringence explored from d¹⁰ metal compounds. Chemical Communications, 2021, 57, 7039-7042.	2.2	17
5	Ba₃Sb₂(PO₄)₄ and Cd₃Sb₂(PO₄)₄(H₂O)₂: Two New Antimonous Phosphates with Distinct [Sb(PO₄)₂] Structure Types and Enhanced Birefringence. Inorganic Chemistry, 2021, 60, 1957-1964.	1.9	27
6	M(B(SeO₃)₃)H₂O (M = Al, Ga): the first boroselenites with a unique sandwich like double-layer structure. Dalton Transactions, 2021, 50, 15057-15061.	1.6	3
7	High-Performance Second-Harmonic-Generation (SHG) Materials: New Developments and New Strategies. Accounts of Chemical Research, 2021, 54, 2775-2783.	7.6	151
8	Role of fluorine on the structure and second-harmonic-generation property of inorganic selenites and tellurites. Chemical Communications, 2021, 57, 12575-12586.	2.2	17
9	Sr₅TeO₂(BO₃)₄ and NaSr₅(BO₃)(SiO₄)₂: two inorganic metal borate derivatives with diverse zero dimensional anions. Dalton Transactions, 2020, 49, 3743-3749.	1.6	17
10	Ba(MoO₂F)₂(QO₃)₂ (Q = Se, Te): Partial Fluorination of MoO₆ Octahedra Enabling Two Polar Solids with Strong and Phase Matchable SHG Response. Chemistry of Materials, 2020, 32, 9688-9695.	3.2	43
11	BiGa(SeO₃)₃: A Phase Matchable SHG Material Achieved by Cation Substitution. Inorganic Chemistry, 2020, 59, 7852-7859.	1.9	11
12	MII2M3IIIF3(Te6F2O16) (MII = Pb, Ba; MIII = Al, Ga): New mixed anionic tellurites with isolated Te6 coplanar rings. Journal of Solid State Chemistry, 2020, 286, 121288.	1.4	17
13	Recent progress in selenite and tellurite based SHG materials. Dalton Transactions, 2020, 49, 8433-8437.	1.6	25
14	Two Indium Sulfate Tellurites: Centrosymmetric In₂(SO₄)(TeO₃)(OH)₂(H₂O) and Non-centrosymmetric In₃(SO₄)(TeO₃)₂F₃(H₂O). Inorganic Chemistry, 2019, 58, 11155-11163.	1.9	24
15	Ag4Hg(SeO3)2(SeO4): a novel SHG material created in mixed valent selenium oxides by in situ synthesis. Science China Materials, 2019, 62, 1821-1830.	3.5	20
16	Pb₂Cd(SeO₃)₂X₂ (X = Cl and Br): two halogenated selenites with phase matchable second harmonic generation. Inorganic Chemistry Frontiers, 2019, 6, 3133-3139.	3.0	17
17	Exploration of New Birefringent Crystals in Bismuth d⁰ Transition Metal Selenites. Chemistry - A European Journal, 2019, 25, 3685-3694.	1.7	28
18	A Large Family of Centrosymmetric and Chiral f-Element-Bearing Iodate Selenates Exhibiting Coordination Number and Dimensional Reductions. Inorganic Chemistry, 2018, 57, 1676-1683.	1.9	23

#	Article	IF	Citations
19	A(VO₂F)(SeO₃) (A = Sr, Ba) and Ba(MOF₂)(TeO₄) (M =) Tj ETQq1 1 0.784314 rgBT octahedron. Dalton Transactions, 2018, 47, 1513-1519.	1.6	30
20	Three new d10 transition metal selenites containing PO4 tetrahedron: Cd7(HPO4)2(PO4)2(SeO3)2, Cd6(PO4)1.34(SeO3)4.66 and Zn3(HPO4)(SeO3)2(H2O). Journal of Solid State Chemistry, 2018, 262, 320-326.	1.4	11
21	Lanthanide Inorganic Solids Based on Main Group Borates and Oxyanions of Lone Pair Cations. Chinese Journal of Chemistry, 2018, 36, 63-72.	2.6	10
22	A water-stable homochiral luminescent MOF constructed from an achiral acylamide-containing dicarboxylate ligand for enantioselective sensing of penicillamine. Chemical Communications, 2018, 54, 10901-10904.	2.2	69
23	PbCdF(SeO₃)(NO₃): A Nonlinear Optical Material Produced by Synergistic Effect of Four Functional Units. Inorganic Chemistry, 2018, 57, 11839-11846.	1.9	38
24	New vanadium tellurites: Syntheses, structures, optical properties of noncentrosymmetric VTeO 4 (OH), centrosymmetric Ba 2 V 4 O 8 (Te 3 O 10). Journal of Solid State Chemistry, 2017, 249, 21-26.	1.4	6
25	Li₇(TeO₃)₃F: A Lithium Fluoride Tellurite with Large Second Harmonic Generation Responses and a Short Ultraviolet Cutoff Edge. Inorganic Chemistry, 2017, 56, 14697-14705.	1.9	35
26	A series of new silver selenites with d0-TM cations. RSC Advances, 2016, 6, 79681-79687.	1.7	17
27	BiFSeO₃: An Excellent SHG Material Designed by Aliovalent Substitution. Journal of the American Chemical Society, 2016, 138, 9433-9436.	6.6	174
28	Syntheses, structures and characterizations of three novel vanadium selenites with organically bonded copper/nickel complex. Journal of Solid State Chemistry, 2016, 238, 1-8.	1.4	7
29	Pb₄(OH)₄(BrO₃)₃(NO₃): An Example of SHG Crystal in Metal Bromates Containing Ï€-Conjugated Planar Triangle. Inorganic Chemistry, 2016, 55, 948-955.	1.9	48
30	Structural and magnetic studies on three new mixed metal copper(<scp>ii</scp>) selenites and tellurites. Dalton Transactions, 2015, 44, 11420-11428.	1.6	10
31	Explorations of New SHG Materials in the Alkali-Metalâ€“Nb⁵⁺â€“Selenite System. Inorganic Chemistry, 2015, 54, 10978-10984.	1.9	29
32	Na₂RE₂TeO₄(BO₃)₂ (RE = Y, Dyâ€“Lu): Luminescent and Structural Studies on a Series of Mixed Metal Borotellurates. Inorganic Chemistry, 2015, 54, 2447-2454.	1.9	42
33	Cs(TaO₂)₃(SeO₃)₂ and Cs(TiOF)₃(SeO₃)₂: Structural and Second Harmonic Generation Changes Induced by the Different d⁰-TM Coordination Octahedra. Inorganic Chemistry, 2015, 54, 3875-3882.	1.9	60
34	A facile strategy to adjust the density of planar triangle units in lead borateâ€“nitrates. CrystEngComm, 2015, 17, 3953-3960.	1.3	17
35	A Facile Synthetic Route to a New SHG Material with Two Types of Parallel Ï€â€Conjugated Planar Triangular Units. Angewandte Chemie - International Edition, 2015, 54, 3679-3682.	7.2	246
36	Synthesis, crystal structures and properties of lead phosphite compounds. Journal of Solid State Chemistry, 2015, 231, 198-203.	1.4	19

#	Article	IF	Citations
37	A series of novel mercury(<scp>i</scp>) selenites and tellurites containing SOJT Mo⁶⁺cations. Inorganic Chemistry Frontiers, 2014, 1, 761-768.	3.0	13
38	PbCd₂B₆O₁₂and EuZnB₅O₁₀: syntheses, crystal structures and characterizations of two new mixed metal borates. CrystEngComm, 2014, 16, 7689.	1.3	35
39	Pb₄V₆O₁₆(SeO₃)₃(H₂O), Pb₂VO₂(SeO₃)₂Cl, and PbVO₂(SeO₃)F: New Lead(II)â€“Vanadium(V) Mixed-Metal Selenites Featuring Novel Anionic Skeletons. Inorganic Chemistry, 2014, 53, 8816-8824.	1.9	58
40	KSbB₂O₆ and BaSb₂B₄O₁₂: Novel Boroantimonates with 3D Anionic Architectures Composed of 1D Chains of SbO₆ Octahedra and B₂O₅ Groups. Inorganic Chemistry, 2014, 53, 3847-3853.	1.9	31
41	Syntheses, crystal structures and characterizations of two new bismuth(III) arsenites. Journal of Solid State Chemistry, 2013, 197, 228-235.	1.4	2
42	Pb₂B₃O_{5.5}(OH)₂ and [Pb₃(B₃O₇)](NO₃): Facile Syntheses of New Lead(II) Borates by Simply Changing the pH Values of the Reaction Systems. Inorganic Chemistry, 2013, 52, 8979-8986.	1.9	53
43	Syntheses, crystal structures of a series of novel alkali metal or alkaline earth metal phosphites. CrystEngComm, 2013, 15, 2519.	1.3	20
44	Cs₂GeB₄O₉: a New Second-Order Nonlinear-Optical Crystal. Inorganic Chemistry, 2013, 52, 5831-5837.	1.9	121
45	SrGe₂B₂O₈ and Sr₃Ge₂B₆O₁₆: Novel Strontium Borogermanates with Three-Dimensional and Layered Anionic Architectures. Inorganic Chemistry, 2013, 52, 13644-13650.	1.9	45
46	Pb2TiOF(SeO3)2Cl and Pb2NbO2(SeO3)2Cl: small changes in structure induced a very large SHG enhancement. Chemical Communications, 2013, 49, 9965.	2.2	105
47	Syntheses, crystal structures and SHG properties of a series of polar alkali-metal molybdenum(vi) selenites based on strandberg-type [Mo5O15(SeO3)2]4â^' polyanion. Dalton Transactions, 2012, 41, 5687.	1.6	24
48	Crystal structures and second-order NLO properties of borogermanates. Journal of Solid State Chemistry, 2012, 195, 63-72.	1.4	51
49	A series of boroselenite-based open frameworks mediated by the cationic sizes of the alkali metals. CrystEngComm, 2012, 14, 8727.	1.3	19
50	Syntheses, crystal structures and characterizations of new vanadium arsenites and arsenates. Journal of Solid State Chemistry, 2012, 192, 263-272.	1.4	4
51	Second-Order Nonlinear Optical Materials Based on Metal Iodates, Selenites, and Tellurites. Structure and Bonding, 2012, , 43-103.	1.0	46
52	Exploratory Investigation of New SHG Materials Based on Galloborates. Inorganic Chemistry, 2012, 51, 8810-8817.	1.9	43
53	Explorations of new selenites of the group IIIA and IVA metals. Journal of Solid State Chemistry, 2012, 190, 118-125.	1.4	11
54	New Second-Order NLO Materials Based on Polymeric Borate Clusters and GeO₄ Tetrahedra: A Combined Experimental and Theoretical Study. Inorganic Chemistry, 2011, 50, 1973-1982.	1.9	64

#	Article	IF	Citations
55	Ba₃[Ge₂B₇O₁₆(OH)₂](OH)(H₂O) and Ba₃Ge₂B₆O₁₆: Novel Alkaline-Earth Borogermanates Based on Two Types of Polymeric Borate Units and GeO₄Tetrahedra. Inorganic Chemistry, 2011, 50, 3037-3043.	1.9	58
56	A Series of New Ternary and Quaternary Compounds in the LiIâˆ'GaIIIâˆ'TeIVâˆ'O System. Inorganic Chemistry, 2010, 49, 11573-11580.	1.9	38
57	A Series of New Phases Containing Three Different Asymmetric Building Units. Inorganic Chemistry, 2010, 49, 5943-5952.	1.9	54
58	Syntheses and crystal structures of four new silver(i) iodates with d⁰-transition metal cations. Dalton Transactions, 2010, 39, 1473-1479.	1.6	43
59	Explorations of New Phases in the Ga^{III}/In^{III}-Cu^{II}-Se^{IV}-O System. Inorganic Chemistry, 2009, 48, 6794-6803.	1.9	13
60	Ln₃Pb₃(IO₃)₁₃(Î¼₃â^'O) (Ln = Laâ^'Nd): New Types of Second-Order Nonlinear Optical Materials Containing Two Types of Lone Pair Cations. Inorganic Chemistry, 2009, 48, 2193-2199.	1.9	76
61	Explorations of new phases in the GaIII/InIIIâ€"MoVIâ€"SeIV/TeIVâ€"O systems. Dalton Transactions, 2009, , 4962.	1.6	45
62	Explorations of new second-order NLO materials in the AgI-MoVI/WVI-TeIV-O systems. Dalton Transactions, 2009, , 5747.	1.6	53
63	BaNbO(IO₃)₅: A New Polar Material with a Very Large SHG Response. Journal of the American Chemical Society, 2009, 131, 9486-9487.	6.6	306
64	La4(Si5.2Ge2.8O18)(TeO3)4 and La2(Si6O13)(TeO3)2: Intergrowth of the lanthanum(III) tellurite layer with the XO4 (X=Si/Ge) tetrahedral layer. Journal of Solid State Chemistry, 2008, 181, 263-268.	1.4	19
65	Mg7V4O16(OH)2(H2O): A magnesium vanadate with a novel 3D magnesium oxide open framework. Inorganic Chemistry Communication, 2008, 11, 1012-1014.	1.8	13
66	ZnVSe2O7 and Cd6V2Se5O21: New d10 Transition-Metal Selenites with V(IV) or V(V) Cations. Inorganic Chemistry, 2008, 47, 7430-7437.	1.9	52
67	Structures and Properties of Functional Metal Selenites and Tellurites. Inorganic Chemistry, 2008, 47, 8498-8510.	1.9	155
68	CsB₃GeO₇and K₂B₂Ge₃O₁₀: Explorations of New Second-Order Nonlinear Optical Materials in the Borogermanate Systems. Inorganic Chemistry, 2008, 47, 10611-10617.	1.9	68
69	Synthesis, crystal and band structures, and optical properties of a new lanthanideâ€"alkaline earth tellurium(IV) oxide: La2Ba(Te3O8)(TeO3)2. Journal of Solid State Chemistry, 2007, 180, 1764-1769.	1.4	30
70	Se2(B2O7):Â A New Type of Second-Order NLO Material. Journal of the American Chemical Society, 2006, 128, 7750-7751.	6.6	337