

Fang Kong

List of Publications by Year in descending order

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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	Se ₂ (B ₂ O ₇): A New Type of Second-Order NLO Material. <i>Journal of the American Chemical Society</i> , 2006, 128, 7750-7751.	6.6	337
2	BaNbO(IO ₃) ₅ : A New Polar Material with a Very Large SHG Response. <i>Journal of the American Chemical Society</i> , 2009, 131, 9486-9487.	6.6	306
3	A Facile Synthetic Route to a New SHG Material with Two Types of Parallel π -Conjugated Planar Triangular Units. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3679-3682.	7.2	246
4	BiFSeO ₃ : An Excellent SHG Material Designed by Aliovalent Substitution. <i>Journal of the American Chemical Society</i> , 2016, 138, 9433-9436.	6.6	174
5	Structures and Properties of Functional Metal Selenites and Tellurites. <i>Inorganic Chemistry</i> , 2008, 47, 8498-8510.	1.9	155
6	High-Performance Second-Harmonic-Generation (SHG) Materials: New Developments and New Strategies. <i>Accounts of Chemical Research</i> , 2021, 54, 2775-2783.	7.6	151
7	Cs ₂ GeB ₄ O ₉ : a New Second-Order Nonlinear-Optical Crystal. <i>Inorganic Chemistry</i> , 2013, 52, 5831-5837.	1.9	121
8	Pb ₂ TiOF(SeO ₃) ₂ Cl and Pb ₂ NbO ₂ (SeO ₃) ₂ Cl: small changes in structure induced a very large SHG enhancement. <i>Chemical Communications</i> , 2013, 49, 9965.	2.2	105
9	Ln ₃ Pb ₃ (IO ₃) ₁₃ ($\frac{1}{4}$ ³ O) (Ln = La~Nd): New Types of Second-Order Nonlinear Optical Materials Containing Two Types of Lone Pair Cations. <i>Inorganic Chemistry</i> , 2009, 48, 2193-2199.	1.9	76
10	A water-stable homochiral luminescent MOF constructed from an achiral acylamide-containing dicarboxylate ligand for enantioselective sensing of penicillamine. <i>Chemical Communications</i> , 2018, 54, 10901-10904.	2.2	69
11	CsB ₃ GeO ₇ and K ₂ B ₂ Ge ₃ O ₁₀ : Explorations of New Second-Order Nonlinear Optical Materials in the Borogermanate Systems. <i>Inorganic Chemistry</i> , 2008, 47, 10611-10617.	1.9	68
12	New Second-Order NLO Materials Based on Polymeric Borate Clusters and GeO ₄ Tetrahedra: A Combined Experimental and Theoretical Study. <i>Inorganic Chemistry</i> , 2011, 50, 1973-1982.	1.9	64
13	Cs(TaO ₂) ₃ (SeO ₃) ₂ and Cs(TiOF ₃ (SeO ₃) ₂): Structural and Second Harmonic Generation Changes Induced by the Different d ⁰ -TM Coordination Octahedra. <i>Inorganic Chemistry</i> , 2015, 54, 3875-3882.	1.9	60
14	Ba ₃ [Ge ₂ B ₇ O ₁₆ (OH) ₂](OH)(H ₂ O) and Ba ₃ Ge ₂ B ₆ O ₁₆ : Novel Alkaline-Earth Borogermanates Based on Two Types of Polymeric Borate Units and GeO ₄ Tetrahedra. <i>Inorganic Chemistry</i> , 2011, 50, 3037-3043.	1.9	58
15	Pb ₄ V ₆ O ₁₆ (SeO ₃) ₃ (H ₂ O), Pb ₂ VO ₂ (SeO ₃) ₂ Cl, and PbVO ₂ (SeO ₃)F: New Lead(II) "Vanadium(V) Mixed-Metal Selenites Featuring Novel Anionic Skeletons. <i>Inorganic Chemistry</i> , 2014, 53, 8816-8824.	1.9	58
16	A Series of New Phases Containing Three Different Asymmetric Building Units. <i>Inorganic Chemistry</i> , 2010, 49, 5943-5952.	1.9	54
17	Explorations of new second-order NLO materials in the AgI-MoVI/WVI-TeIV-O systems. <i>Dalton Transactions</i> , 2009, , 5747.	1.6	53
18	Pb ₂ B ₃ O _{5.5} (OH) ₂ and [Pb ₃ (B ₃ O ₇)](NO ₃): Facile Syntheses of New Lead(II) Borates by Simply Changing the pH Values of the Reaction Systems. <i>Inorganic Chemistry</i> , 2013, 52, 8979-8986.	1.9	53

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19	ZnVSe ₂ O ₇ and Cd ₆ V ₂ Se ₅ O ₂₁ : New d ¹⁰ Transition-Metal Selenites with V(IV) or V(V) Cations. <i>Inorganic Chemistry</i> , 2008, 47, 7430-7437.	1.9	52
20	Crystal structures and second-order NLO properties of borogermanates. <i>Journal of Solid State Chemistry</i> , 2012, 195, 63-72.	1.4	51
21	Pb ₄ (OH) ₄ (BrO ₃) ₃ (NO ₃): An Example of SHG Crystal in Metal Bromates Containing π -Conjugated Planar Triangle. <i>Inorganic Chemistry</i> , 2016, 55, 948-955.	1.9	48
22	Second-Order Nonlinear Optical Materials Based on Metal Iodates, Selenites, and Tellurites. <i>Structure and Bonding</i> , 2012, , 43-103.	1.0	46
23	Explorations of new phases in the Ga ^{III} /In ^{III} –Mo ^{VI} –Se ^{IV} /Te ^{IV} –O systems. <i>Dalton Transactions</i> , 2009, , 4962.	1.6	45
24	SrGe ₂ B ₂ O ₈ and Sr ₃ Ge ₂ B ₆ O ₁₆ : Novel Strontium Borogermanates with Three-Dimensional and Layered Anionic Architectures. <i>Inorganic Chemistry</i> , 2013, 52, 13644-13650.	1.9	45
25	Syntheses and crystal structures of four new silver(i) iodates with d ⁰ -transition metal cations. <i>Dalton Transactions</i> , 2010, 39, 1473-1479.	1.6	43
26	Exploratory Investigation of New SHG Materials Based on Galloborates. <i>Inorganic Chemistry</i> , 2012, 51, 8810-8817.	1.9	43
27	Ba(MoO ₂ F) ₂ (QO ₃) ₂ (Q = Se, Te): Partial Fluorination of MoO ₆ Octahedra Enabling Two Polar Solids with Strong and Phase Matchable SHG Response. <i>Chemistry of Materials</i> , 2020, 32, 9688-9695.	3.2	43
28	Na ₂ RE ₂ TeO ₄ (BO ₃) ₂ (RE = Y, Dy–Lu): Luminescent and Structural Studies on a Series of Mixed Metal Borotellurates. <i>Inorganic Chemistry</i> , 2015, 54, 2447-2454.	1.9	42
29	A Series of New Ternary and Quaternary Compounds in the Li–Ga–Te–O System. <i>Inorganic Chemistry</i> , 2010, 49, 11573-11580.	1.9	38
30	PbCdF(SeO ₃)(NO ₃): A Nonlinear Optical Material Produced by Synergistic Effect of Four Functional Units. <i>Inorganic Chemistry</i> , 2018, 57, 11839-11846.	1.9	38
31	PbCd ₂ B ₆ O ₁₂ and EuZnB ₅ O ₁₀ : syntheses, crystal structures and characterizations of two new mixed metal borates. <i>CrystEngComm</i> , 2014, 16, 7689.	1.3	35
32	Li ₇ (TeO ₃) ₃ F: A Lithium Fluoride Tellurite with Large Second Harmonic Generation Responses and a Short Ultraviolet Cutoff Edge. <i>Inorganic Chemistry</i> , 2017, 56, 14697-14705.	1.9	35
33	KSbB ₂ O ₆ and BaSb ₂ B ₄ O ₁₂ : Novel Boroantimonates with 3D Anionic Architectures Composed of 1D Chains of SbO ₆ Octahedra and B ₂ O ₅ Groups. <i>Inorganic Chemistry</i> , 2014, 53, 3847-3853.	1.9	31
34	Synthesis, crystal and band structures, and optical properties of a new lanthanide–alkaline earth tellurium(IV) oxide: La ₂ Ba(Te ₃ O ₈)(TeO ₃) ₂ . <i>Journal of Solid State Chemistry</i> , 2007, 180, 1764-1769.	1.4	30
35	A(VO ₂ F)(SeO ₃) (A = Sr, Ba) and Ba(MOF ₂)(TeO ₄) (M =) Tj ETQq1 1 0.784314 rg BT octahedron. <i>Dalton Transactions</i> , 2018, 47, 1513-1519.	1.6	30
36	Explorations of New SHG Materials in the Alkali-Metal–Nb ⁵⁺ –Selenite System. <i>Inorganic Chemistry</i> , 2015, 54, 10978-10984.	1.9	29

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37	Exploration of New Birefringent Crystals in Bismuth d ⁰ Transition Metal Selenites. Chemistry - A European Journal, 2019, 25, 3685-3694.	1.7	28
38	Ba ₃ Sb ₂ (PO ₄) ₄ and Cd ₃ Sb ₂ (PO ₄) ₄ (H ₂ O) ₂ : Two New Antimonous Phosphates with Distinct [Sb(PO ₄) ₂] Structure Types and Enhanced Birefringence. Inorganic Chemistry, 2021, 60, 1957-1964.	1.9	27
39	Recent progress in selenite and tellurite based SHG materials. Dalton Transactions, 2020, 49, 8433-8437.	1.6	25
40	Syntheses, crystal structures and SHG properties of a series of polar alkali-metal molybdenum(vi) selenites based on strandberg-type [Mo ₅ O ₁₅ (SeO ₃) ₂] ⁴⁻ polyanion. Dalton Transactions, 2012, 41, 5687.	1.6	24
41	Two Indium Sulfate Tellurites: Centrosymmetric In ₂ (SO ₄)(TeO ₃)(OH) ₂ (H ₂ O) and Non-centrosymmetric In ₃ (SO ₄)(TeO ₃) ₂ F ₃ (H ₂ O). Inorganic Chemistry, 2019, 58, 11155-11163.	1.9	24
42	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
43	Y ₂ (Te ₄ O ₁₀)(SO ₄): a new sulfate tellurite with a unique Te ₄ O ₁₀ polyanion and large birefringence. Inorganic Chemistry Frontiers, 2021, 8, 164-172.	3.0	23
44	Syntheses, crystal structures of a series of novel alkali metal or alkaline earth metal phosphites. CrystEngComm, 2013, 15, 2519.	1.3	20
45	Ag ₄ Hg(SeO ₃) ₂ (SeO ₄): a novel SHG material created in mixed valent selenium oxides by in situ synthesis. Science China Materials, 2019, 62, 1821-1830.	3.5	20
46	La ₄ (Si _{5.2} Ge _{2.8} O ₁₈)(TeO ₃) ₄ and La ₂ (Si ₆ O ₁₃)(TeO ₃) ₂ : Intergrowth of the lanthanum(III) tellurite layer with the XO ₄ (X=Si/Ge) tetrahedral layer. Journal of Solid State Chemistry, 2008, 181, 263-268.	1.4	19
47	A series of boroselenite-based open frameworks mediated by the cationic sizes of the alkali metals. CrystEngComm, 2012, 14, 8727.	1.3	19
48	Synthesis, crystal structures and properties of lead phosphite compounds. Journal of Solid State Chemistry, 2015, 231, 198-203.	1.4	19
49	A facile strategy to adjust the density of planar triangle units in lead borate nitrates. CrystEngComm, 2015, 17, 3953-3960.	1.3	17
50	A series of new silver selenites with d ⁰ -TM cations. RSC Advances, 2016, 6, 79681-79687.	1.7	17
51	Pb ₂ Cd(SeO ₃) ₂ X ₂ (X = Cl and Br): two halogenated selenites with phase matchable second harmonic generation. Inorganic Chemistry Frontiers, 2019, 6, 3133-3139.	3.0	17
52	Sr ₅ TeO ₂ (BO ₃) ₄ and NaSr ₅ (BO ₃)(SiO ₄) ₂ : two inorganic metal borate derivatives with diverse zero dimensional anions. Dalton Transactions, 2020, 49, 3743-3749.	1.6	17
53	MII ₂ M ₃ III ₃ (Te ₆ F ₂ O ₁₆) (MII = Pb, Ba; MIII = Al, Ga): New mixed anionic tellurites with isolated Te ₆ coplanar rings. Journal of Solid State Chemistry, 2020, 286, 121288.	1.4	17
54	Hg ₃ (Te ₃ O ₈)(SO ₄): a new sulfate tellurite with a novel structure and large birefringence explored from d ¹⁰ metal compounds. Chemical Communications, 2021, 57, 7039-7042.	2.2	17

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55	Role of fluorine on the structure and second-harmonic-generation property of inorganic selenites and tellurites. <i>Chemical Communications</i> , 2021, 57, 12575-12586.	2.2	17
56	Mg ₇ V ₄ O ₁₆ (OH) ₂ (H ₂ O): A magnesium vanadate with a novel 3D magnesium oxide open framework. <i>Inorganic Chemistry Communication</i> , 2008, 11, 1012-1014.	1.8	13
57	Explorations of New Phases in the Ga ^{III} /In ^{III} -Cu ^{II} -Se ^{IV} -O System. <i>Inorganic Chemistry</i> , 2009, 48, 6794-6803.	1.9	13
58	A series of novel mercury(<i>ii</i>) selenites and tellurites containing SO ₄ ²⁻ Mo ⁶⁺ cations. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 761-768.	3.0	13
59	Na ₃ Ti ₃ O ₃ (SeO ₃) ₄ F: A Phase-Matchable Nonlinear-Optical Crystal with Enlarged Second-Harmonic-Generation Intensity and Band Gap. <i>Inorganic Chemistry</i> , 2022, 61, 2686-2694.	1.9	12
60	Explorations of new selenites of the group IIIA and IVA metals. <i>Journal of Solid State Chemistry</i> , 2012, 190, 118-125.	1.4	11
61	Three new d10 transition metal selenites containing PO ₄ tetrahedron: Cd ₇ (HPO ₄) ₂ (PO ₄) ₂ (SeO ₃) ₂ , Cd ₆ (PO ₄) _{1.34} (SeO ₃) _{4.66} and Zn ₃ (HPO ₄)(SeO ₃) ₂ (H ₂ O). <i>Journal of Solid State Chemistry</i> , 2018, 262, 320-326.	1.4	11
62	BiGa(SeO ₃) ₃ : A Phase Matchable SHG Material Achieved by Cation Substitution. <i>Inorganic Chemistry</i> , 2020, 59, 7852-7859.	1.9	11
63	Structural and magnetic studies on three new mixed metal copper(<i>ii</i>) selenites and tellurites. <i>Dalton Transactions</i> , 2015, 44, 11420-11428.	1.6	10
64	Lanthanide Inorganic Solids Based on Main Group Borates and Oxyanions of Lone Pair Cations. <i>Chinese Journal of Chemistry</i> , 2018, 36, 63-72.	2.6	10
65	Syntheses, structures and characterizations of three novel vanadium selenites with organically bonded copper/nickel complex. <i>Journal of Solid State Chemistry</i> , 2016, 238, 1-8.	1.4	7
66	New vanadium tellurites: Syntheses, structures, optical properties of noncentrosymmetric VTeO ₄ (OH), centrosymmetric Ba ₂ V ₄ O ₈ (Te ₃ O ₁₀). <i>Journal of Solid State Chemistry</i> , 2017, 249, 21-26.	1.4	6
67	K ₃ ZrF ₄ (SbF ₄)(SbF ₅) and K ₈ (ZrF ₆)(Sb ₂ Zr ₂ F ₂₀): Two Zirconium Fluoroantimonites with Low Dimensional Structures and Wide Transparency Range. <i>Inorganic Chemistry</i> , 2022, 61, 4801-4805.	1.9	5
68	Syntheses, crystal structures and characterizations of new vanadium arsenites and arsenates. <i>Journal of Solid State Chemistry</i> , 2012, 192, 263-272.	1.4	4
69	M(B(SeO ₃) ₃) ₃ H ₂ O (M = Al, Ga): the first boroselenites with a unique sandwich like double-layer structure. <i>Dalton Transactions</i> , 2021, 50, 15057-15061.	1.6	3
70	Syntheses, crystal structures and characterizations of two new bismuth(III) arsenites. <i>Journal of Solid State Chemistry</i> , 2013, 197, 228-235.	1.4	2