

# Zhi-hua Yang

## List of Publications by Citations

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358  
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15,660  
ext. citations

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L-index

#	Paper	IF	Citations
333	Finding the Next Deep-Ultraviolet Nonlinear Optical Material: NHBOF. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10645-10648	16.4	601
332	Designing a deep-ultraviolet nonlinear optical material with a large second harmonic generation response. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 4215-8	16.4	466
331	Fluorooxoborates: Beryllium-Free Deep-Ultraviolet Nonlinear Optical Materials without Layered Growth. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 3916-3919	16.4	451
330	CsB O F: A Congruent-Melting Deep-Ultraviolet Nonlinear Optical Material by Combining Superior Functional Units. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 14119-14123	16.4	430
329	SrB O F Functionalized with [B O F ] Chromophores: Accelerating the Rational Design of Deep-Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6095-6099	16.4	389
328	Cation-Tuned Synthesis of Fluorooxoborates: Towards Optimal Deep-Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2150-2154	16.4	336
327	Cs <sub>3</sub> Zn <sub>6</sub> B <sub>9</sub> O <sub>21</sub> : a chemically benign member of the KBBF family exhibiting the largest second harmonic generation response. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 1264-7	16.4	273
326	Polar Fluorooxoborate, NaB O F: A Promising Material for Ionic Conduction and Nonlinear Optics. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6577-6581	16.4	241
325	A New Deep-Ultraviolet Transparent Orthophosphate LiCs <sub>2</sub> PO <sub>4</sub> with Large Second Harmonic Generation Response. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 9101-4	16.4	230
324	Pb <sub>2</sub> Ba <sub>3</sub> (BO <sub>3</sub> ) <sub>3</sub> Cl: A Material with Large SHG Enhancement Activated by Pb-Chelated BO <sub>3</sub> Groups. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 9417-22	16.4	220
323	Designing an Excellent Deep-Ultraviolet Birefringent Material for Light Polarization. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 16311-16319	16.4	216
322	Cs <sub>2</sub> B <sub>4</sub> SiO <sub>9</sub> : a deep-ultraviolet nonlinear optical crystal. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 3406-10	16.4	213
321	Na <sub>2</sub> ZnGe <sub>2</sub> S <sub>6</sub> : A New Infrared Nonlinear Optical Material with Good Balance between Large Second-Harmonic Generation Response and High Laser Damage Threshold. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 7422-8	16.4	205
320	Targeting the Next Generation of Deep-Ultraviolet Nonlinear Optical Materials: Expanding from Borates to Borate Fluorides to Fluorooxoborates. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 791-801	24.3	198
319	A novel deep UV nonlinear optical crystal Ba <sub>3</sub> B <sub>6</sub> O <sub>11</sub> F <sub>2</sub> , with a new fundamental building block, B <sub>6</sub> O <sub>14</sub> group. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 9665		160
318	BaMg(BO)F polymorphs with reversible phase transition and high performances as ultraviolet nonlinear optical materials. <i>Nature Communications</i> , <b>2018</b> , 9, 3089	17.4	157
317	New Compressed Chalcopyrite-like LiBaMQ (M = Ge, Sn; Q = S, Se): Promising Infrared Nonlinear Optical Materials. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 14885-14888	16.4	151

316	Pb17O8Cl18: A Promising IR Nonlinear Optical Material with Large Laser Damage Threshold Synthesized in an Open System. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 8360-3	16.4	145
315	Na2 BaMQ4 (M=Ge, Sn; Q=S, Se): Infrared Nonlinear Optical Materials with Excellent Performances and that Undergo Structural Transformations. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 6713-5	16.4	144
314	Chemical Cosubstitution-Oriented Design of Rare-Earth Borates as Potential Ultraviolet Nonlinear Optical Materials. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 18397-18405	16.4	139
313	CsB4O6F: A Congruent-Melting Deep-Ultraviolet Nonlinear Optical Material by Combining Superior Functional Units. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 14307-14311	3.6	132
312	Na3Ba2(B3O6)2F: Next Generation of Deep-Ultraviolet Birefringent Materials. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 523-529	3.5	125
311	Na2Hg3M2S8 (M = Si, Ge, and Sn): New Infrared Nonlinear Optical Materials with Strong Second Harmonic Generation Effects and High Laser-Damage Thresholds. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 2795-2801	9.6	119
310	Expanding Frontiers of Ultraviolet Nonlinear Optical Materials with Fluorophosphates. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 5397-5403	9.6	113
309	Simulated pressure-induced blue-shift of phase-matching region and nonlinear optical mechanism for K3B6O10X (X = Cl, Br). <i>Applied Physics Letters</i> , <b>2015</b> , 106, 031906	3.4	101
308	A new congruent-melting oxyborate, Pb4O(BO3)2 with optimally aligned BO3 triangles adopting layered-type arrangement. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 2105-2110		99
307	Enhancing optical anisotropy of crystals by optimizing bonding electron distribution in anionic groups. <i>Chemical Communications</i> , <b>2017</b> , 53, 2818-2821	5.8	97
306	Bi3OF3(IO3)4: Metal Oxyiodate Fluoride Featuring a Carbon-Nanotube-like Topological Structure with Large Second Harmonic Generation Response. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 945-949	9.6	95
305	Rational Design via Synergistic Combination Leads to an Outstanding Deep-Ultraviolet Birefringent LiNaBO Material with an Unvalued BO Functional Gene. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 3258-3264	16.4	95
304	Sn B O Cl: A Material with Large Birefringence Enhancement Activated Prepared via Alkaline-Earth-Metal Substitution by Tin. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 17675-17678	16.4	90
303	CaBOF: A Beryllium-Free Alkaline-Earth Fluorooxoborate Exhibiting Excellent Nonlinear Optical Performances. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 4820-4823	5.1	84
302	Cation-Tuned Synthesis of Fluorooxoborates: Towards Optimal Deep-Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2172-2176	3.6	82
301	SrB5O7F3 Functionalized with [B5O9F3]6[Chromophores: Accelerating the Rational Design of Deep-Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 6203-6207	3.6	80
300	The first quaternary diamond-like semiconductor with 10-membered LiS rings exhibiting excellent nonlinear optical performances. <i>Chemical Communications</i> , <b>2017</b> , 53, 3010-3013	5.8	79
299	Module-Guided Design Scheme for Deep-Ultraviolet Nonlinear Optical Materials. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 10726-10733	16.4	76

298	Fluorooxoborates: Beryllium-Free Deep-Ultraviolet Nonlinear Optical Materials without Layered Growth. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 3974-3977	3.6	74
297	KPb <sub>2</sub> (PO <sub>3</sub> ) <sub>5</sub> : a novel nonlinear optical lead polyphosphate with a short deep-UV cutoff edge. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 10630-10637	7.1	71
296	NaBOF: A Fluoroborate with Short Cutoff Edge and Deep-Ultraviolet Birefringent Property Prepared by an Open High-Temperature Solution Method. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 344-350	5.1	70
295	Polar Polymorphism: $\alpha$ and $\beta$ Pb <sub>2</sub> Ba <sub>4</sub> Zn <sub>4</sub> B <sub>14</sub> O <sub>31</sub> Synthesis, Characterization, and Nonlinear Optical Properties. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 4779-4788	9.6	67
294	Module-Analysis-Assisted Design of Deep Ultraviolet Fluorooxoborates with Extremely Large Gap and High Structural Stability. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 2807-2813	9.6	66
293	Linear and Nonlinear Optical Properties of K <sub>3</sub> B <sub>6</sub> O <sub>10</sub> Br Single Crystal: Experiment and Calculation. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 11849-11856	3.8	62
292	LiRb <sub>2</sub> PO <sub>4</sub> : a new deep-ultraviolet nonlinear optical phosphate with a large SHG response. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 269-274	7.1	59
291	First Principle Assisted Prediction of the Birefringence Values of Functional Inorganic Borate Materials. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 25651-25657	3.8	59
290	NaCdGeQ (Q = S, Se): two metal-mixed chalcogenides with phase-matching abilities and large second-harmonic generation responses. <i>Dalton Transactions</i> , <b>2017</b> , 46, 2778-2784	4.3	57
289	Pb <sub>7</sub> O(OH) <sub>3</sub> (CO <sub>3</sub> ) <sub>3</sub> (BO <sub>3</sub> ): first mixed borate and carbonate nonlinear optical material exhibiting large second-harmonic generation response. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 4138-42	5.1	57
288	Three new phosphates with isolated P <sub>2</sub> O <sub>7</sub> units: noncentrosymmetric Cs <sub>2</sub> Ba <sub>3</sub> (P <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> and centrosymmetric Cs <sub>2</sub> BaP <sub>2</sub> O <sub>7</sub> and LiCsBaP <sub>2</sub> O <sub>7</sub> . <i>Dalton Transactions</i> , <b>2016</b> , 45, 3936-42	4.3	57
287	BaCdSnS <sub>4</sub> and Ba <sub>3</sub> CdSn <sub>2</sub> S <sub>8</sub> : syntheses, structures, and non-linear optical and photoluminescence properties. <i>Dalton Transactions</i> , <b>2016</b> , 45, 10681-8	4.3	56
286	The first lead fluorooxoborate PbBOF: achieving the coexistence of large birefringence and deep-ultraviolet cut-off edge. <i>Chemical Communications</i> , <b>2018</b> , 54, 6308-6311	5.8	55
285	Polar Fluorooxoborate, NaB <sub>4</sub> O <sub>6</sub> F: A Promising Material for Ionic Conduction and Nonlinear Optics. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 6687-6691	3.6	54
284	Advantageous Units in Antimony Sulfides: Exploration and Design of Infrared Nonlinear Optical Materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 26413-26421	9.5	54
283	A Series of Rare-Earth Borates K <sub>7</sub> MRE <sub>2</sub> B <sub>15</sub> O <sub>30</sub> (M = Zn, Cd, Pb; RE = Sc, Y, Gd, Lu) with Large Second Harmonic Generation Responses. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 2414-2423	9.6	53
282	ASrMS (A = Li, Na; M = Ge, Sn) concurrently exhibiting wide bandgaps and good nonlinear optical responses as new potential infrared nonlinear optical materials. <i>Chemical Science</i> , <b>2019</b> , 10, 3963-3968	9.4	52
281	Experimental and Theoretical Studies on the Linear and Nonlinear Optical Properties of Bi <sub>2</sub> ZnOB <sub>2</sub> O <sub>6</sub> . <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 14149-14157	3.8	52

280	CsAlBOF: a beryllium-free deep-ultraviolet nonlinear optical material with enhanced thermal stability. <i>Chemical Science</i> , <b>2019</b> , 11, 694-698	9.4	52
279	Functional Materials Design via Structural Regulation Originated from Ions Introduction: A Study Case in Cesium Iodate System. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 1136-1145	9.6	51
278	An investigation of new infrared nonlinear optical material: BaCdSnSe <sub>4</sub> , and three new related centrosymmetric compounds: Ba <sub>2</sub> SnSe <sub>4</sub> , Mg <sub>2</sub> GeSe <sub>4</sub> , and Ba <sub>2</sub> Ge <sub>2</sub> Se <sub>6</sub> . <i>Dalton Transactions</i> , <b>2015</b> , 44, 19856-64	4.3	50
277	Experimental and theoretical studies on the linear and nonlinear optical properties of lead phosphate crystals LiPbPO <sub>4</sub> . <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 19123-9	3.6	50
276	Pb <sub>3</sub> B <sub>6</sub> O <sub>11</sub> F <sub>2</sub> : the first non-centrosymmetric lead borate fluoride with a large second harmonic generation response. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 1704	7.1	48
275	A nitrate nonlinear optical crystal Pb <sub>16</sub> (OH) <sub>16</sub> (NO <sub>3</sub> ) <sub>16</sub> with a large second-harmonic generation response. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 3320-5	5.1	48
274	Prediction of Fluorooxoborates with Colossal Second Harmonic Generation (SHG) Coefficients and Extremely Wide Band Gaps: Towards Modulating Properties by Tuning the BO /BO F Ratio in Layers. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11726-11730	16.4	47
273	Synthesis, crystal structures and optical properties of two congruent-melting isotypic diphosphates: LiM <sub>3</sub> P <sub>2</sub> O <sub>7</sub> (M=Na, K). <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 197, 128-133	3.3	47
272	p(p,π) interaction mechanism revealing and accordingly designed new member in deep-ultraviolet NLO borates LinMn <sub>n</sub> B <sub>2n</sub> O <sub>4n</sub> (M = Cs/Rb, n = 3, 4, 6). <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 4133-4141	7.1	46
271	BaB <sub>2</sub> S <sub>4</sub> : An Efficient and Air-Stable Thioborate as Infrared Nonlinear Optical Material with High Laser Damage Threshold. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 7428-7432	9.6	45
270	Na <sub>4</sub> MgM <sub>2</sub> Se <sub>6</sub> (M = Si, Ge): The First Noncentrosymmetric Compounds with Special Ethane-like [M <sub>2</sub> Se <sub>6</sub> ](6-) Units Exhibiting Large Laser-Damage Thresholds. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 10108-10	5.1	44
269	PbB <sub>5</sub> O <sub>7</sub> F <sub>3</sub> : A High-Performing Short-Wavelength Nonlinear Optical Material. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 2172-2179	9.6	44
268	Two Polar Molybdenum(VI) Iodates(V) with Large Second-Harmonic Generation Responses. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 2992-3000	9.6	42
267	Sr <sub>4</sub> B <sub>10</sub> O <sub>18</sub> (OH) <sub>2</sub> ·2H <sub>2</sub> O: a new UV nonlinear optical material with a [B <sub>10</sub> O <sub>23</sub> ] <sub>16</sub> building block. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 667-674	7.1	42
266	Synthesis and characterization of mid-infrared transparency compounds: acentric BaHgS <sub>2</sub> and centric Ba <sub>8</sub> Hg <sub>4</sub> S <sub>5</sub> Se <sub>7</sub> . <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 2772-9	5.1	41
265	Enhanced nonlinear optical functionality in birefringence and refractive index dispersion of the deep-ultraviolet fluorooxoborates. <i>Science China Materials</i> , <b>2020</b> , 63, 1480-1488	7.1	41
264	Na <sub>2</sub> BaMQ <sub>4</sub> (M=Ge, Sn; Q=S, Se): Infrared Nonlinear Optical Materials with Excellent Performances and that Undergo Structural Transformations. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 6825-6827	3.6	41
263	Ba <sub>2</sub> B <sub>10</sub> O <sub>17</sub> : a new centrosymmetric alkaline-earth metal borate with a deep-UV cut-off edge. <i>Dalton Transactions</i> , <b>2014</b> , 43, 8905-10	4.3	41

262	BaB8O12F2: a promising deep-UV birefringent material. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 546-549	6.8	40
261	Borate fluoride and fluoroborate in alkali-metal borate prepared by an open high-temperature solution method. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 12686-8	5.1	40
260	New salt-inclusion borate, Li3Ca9(BO3)7F2[LiF]: a promising UV NLO material with the coplanar and high density BO3 triangles. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 5359-65	5.1	40
259	Effect of Element Substitution on Structural Transformation and Optical Performances in IBaMQ (I = Li, Na, Cu, and Ag; M = Si, Ge, and Sn; Q = S and Se). <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 3434-3442	5.1	39
258	Oxyhalides: prospecting ore for optical functional materials with large laser damage thresholds. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 2435-2442	7.1	39
257	Contribution of lone-pairs to birefringence affected by the Pb(II) coordination environment: a DFT investigation. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 21968-73	3.6	38
256	BaCu2MIVQ4 (MIV = Si, Ge, and Sn; Q = S, Se): synthesis, crystal structures, optical performances and theoretical calculations. <i>RSC Advances</i> , <b>2017</b> , 7, 29378-29385	3.7	37
255	Effect of Rigid Units on the Symmetry of the Framework: Design and Synthesis of Centrosymmetric NaBa4(B5O9)2F2Cl and Noncentrosymmetric NaBa4(AlB4O9)2Br3. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 3514-3521	3.5	37
254	BaClBF4: a new noncentrosymmetric pseudo-Aurivillius type material with transparency range from deep UV to middle IR and a high laser damage threshold. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 4740	7.1	35
253	Structure-property survey and computer-assisted screening of mid-infrared nonlinear optical chalcogenides. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 421, 213379	23.2	35
252	Q18Mg6(B5O10)3(B7O14)2F (Q = Rb and Cs): new borates containing two large isolated polyborate anions with similar topological structures. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 1414-9	4.8	34
251	Toward the Enhancement of Critical Performance for Deep-Ultraviolet Frequency-Doubling Crystals Utilizing Covalent Tetrahedra. <i>Accounts of Materials Research</i> , <b>2021</b> , 2, 282-291	7.5	33
250	Nontoxic KBBF Family Member ZnBO(OH): Balance between Beneficial Layered Structure and Layer Tendency. <i>Advanced Science</i> , <b>2019</b> , 6, 1901679	13.6	32
249	Ce(IO)F2HO: The First Rare-Earth-Metal Iodate Fluoride with Large Second Harmonic Generation Response. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 1221-1226	4.8	32
248	The lone-pairs enhanced birefringence and SHG response: A DFT investigation on M2B5O9Cl (M=Sr, Ba, and Pb). <i>Chemical Physics</i> , <b>2015</b> , 453-454, 42-46	2.3	31
247	Designing excellent mid-infrared nonlinear optical materials with fluorooxo-functional group of d0 transition metal oxyfluorides. <i>Science China Materials</i> , <b>2019</b> , 62, 1798-1806	7.1	31
246	BnF: A UV Birefringent Material with Large Birefringence and Easy Crystal Growth. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 3540-3544	16.4	31
245	Designing Deep-UV Birefringent Crystals by Cation Regulation. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 11267-11272	4.8	31

244	Synthesis and Structure of KPbBP2O8 [A Congruent Melting Borophosphate with Nonlinear Optical Properties. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 3185-3190	2.3	30
243	Discovery of First Magnesium Fluorooxoborate with Stable Fluorine Terminated Framework for Deep-UV Nonlinear Optical Application. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 14650-14656	16.4	30
242	K5Ba10(BO3)8F: A New Potassium Barium Borate Fluoride with a Perovskite-Like Structure. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 18763-18770	3.8	30
241	Li MgGe S : The First Alkali and Alkaline-Earth Diamond-Like Infrared Nonlinear Optical Material with Exceptional Large Band Gap. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 24131-24136	16.4	30
240	New molybdenum(VI) phosphates: synthesis, characterization, and calculations of centrosymmetric RbMoO2PO4 and noncentrosymmetric Rb4Mo5P2O22. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 1488-95	5.1	29
239	K B O F : A New Fluorooxoborate with Four Different Anionic Units. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 4497-4502	4.8	28
238	Synthesis, Characterization, and Theoretical Studies of (Pb4O)Pb2B6O14: A New Lead(II) Borate with Isolated Oxygen-Centered Pb4O Tetrahedra and Large Second Harmonic Generation Response. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 12757-12764	3.8	28
237	Li3AlSiO5: the first aluminosilicate as a potential deep-ultraviolet nonlinear optical crystal with the quaternary diamond-like structure. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 4362-9	3.6	28
236	Pb2B5O9Cl: a chloride borate with second harmonic generation effect. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 2590-2596	4.3	28
235	Expanding the chemistry of borates with functional [BO] anions. <i>Nature Communications</i> , <b>2021</b> , 12, 2597	17.4	28
234	ASrPO (A = Rb, Cs): Two Polyphosphates Based on Different Types of P-O Chains and Ring Structures. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 3939-3945	5.1	27
233	Series of Crystals with Giant Optical Anisotropy: A Targeted Strategic Research. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 1332-1338	16.4	27
232	Ban+2Znn(BO3)n(B2O5)Fn (n = 1, 2): new members of the zincoborate fluoride series with two kinds of isolated BO units. <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 281-288	6.8	26
231	LiNaCsBO: a new edge-sharing [BO] tetrahedra containing borate with high anisotropic thermal expansion. <i>Chemical Communications</i> , <b>2019</b> , 55, 1295-1298	5.8	26
230	Anomalous second-harmonic generation response in SrBPO5 and BaBPO5. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 1557-1566	7.1	26
229	Nonlinear electronic polarization and optical response in borophosphate BPO4. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	26
228	Effect of halogen (Cl, Br) on the symmetry of flexible perovskite-related framework. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 11213-20	5.1	26
227	Synthesis, structure characterization and optical properties of a new lead cadmium borate. <i>Inorganica Chimica Acta</i> , <b>2012</b> , 384, 158-162	2.7	26

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116	Three Alkali Metal Lead Orthophosphates Syntheses, Crystal Structures and Properties of $APbPO_4$ ( $A = K, Rb, Cs$ ). <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 1490-1495	2.3	9
115	Synthesis, structures, and properties of two magnesium silicate fluorides $Mg_5(SiO_4)_2F_2$ and $Mg_3SiO_4F_2$ . <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 8866-8873	3.6	9
114	Noncentrosymmetric Fluorooxoborates $ABOF$ ( $A = K$ and $Rb$ ) with Unexpected [BOF] Units and Deep-Ultraviolet Cutoff Edges. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 3274-3280	5.1	9
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111	Potential optical functional crystals with large birefringence: Recent advances and future prospects. <i>Coordination Chemistry Reviews</i> , <b>2022</b> , 459, 214380	23.2	9
110	Effect of anion dimensionality on optical properties: the [BO(OH)] layer in $CsBO(OH)$ vs. the [BO] framework in $CsBaBO$ . <i>Dalton Transactions</i> , <b>2020</b> , 49, 1292-1299	4.3	9
109	$LiRbLaBO$ : a new rare-earth borate with a MOF-5-like topological structure and a short UV cut-off edge. <i>Dalton Transactions</i> , <b>2016</b> , 46, 193-199	4.3	8
108	$NaCaBO(SiO)$ with Interesting Isolated [BO] and [SiO] Units in Alkali- and Alkaline-Earth-Metal Borosilicates. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 3937-3943	5.1	8
107	Polar polymorphism: $KCsWP_2O_9$ nonlinear optical materials with a strong second harmonic generation response. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 11441-11448	7.1	8
106	$LiBaGaQ$ ( $Q = S, Se$ ): Noncentrosymmetric Metal Chalcogenides with a Cesium Chloride Topological Structure Displaying a Remarkable Laser Damage Threshold. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 5674-5682	5.1	8
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103	Experiment and First-Principles Calculations of $AMgTeBO$ ( $A = Pb, Ba$ ): Influences of the Cosubstitution on the Structure Transformation and Optical Properties. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 11127-11132	5.1	8
102	$NaN_2$ : Deep-ultraviolet nonlinear optical material with unprecedented strong second-harmonic generation coefficient. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	8
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99	First-principles study lone-pair effects of Sb (III)-S chromophore influence on SHG response in quaternary potassium containing silver antimony sulfides. <i>Journal of Solid State Chemistry</i> , <b>2017</b> , 249, 215-220	3.3	7
98	Na <sub>2</sub> ZnSn <sub>2</sub> S <sub>6</sub> : A mixed-metal thioantennate with large second-harmonic generation response activated by penta-tetrahedral [ZnSn <sub>4</sub> S <sub>14</sub> ] <sup>10-</sup> clusters. <i>Science China Technological Sciences</i> , <b>2017</b> , 60, 1465-1472	3.5	7
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95	LiCaBO: A Borate with a Unique Fundamental Building Block and a Short Cutoff Edge. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 8396-8403	5.1	7
94	Structural Diversity of Molybdate Iodate and Fluoromolybdate: Syntheses, Structures, and Calculations on Na(MoO)(IO) and NaCs(MoOF). <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 3034-3041	5.1	7
93	M <sub>2</sub> Ca <sub>3</sub> B <sub>16</sub> O <sub>28</sub> (M = Rb, Cs): structures analogous to SBBO with three-dimensional open-framework layers. <i>RSC Advances</i> , <b>2016</b> , 6, 14205-14210	3.7	7
92	Ba <sub>3</sub> Ca <sub>4</sub> (BO <sub>3</sub> ) <sub>3</sub> (SiO <sub>4</sub> )Cl: a new non-centrosymmetric complex alkaline-earth metal borosilicate chloride with a deep-ultraviolet cut-off edge. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 2200-2208	6.8	7
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90	Two new ammonium/alkali-rare earth metal difluorophosphates ALa(POF) (A = NH and K) with moderate birefringence and short cutoff edges. <i>Dalton Transactions</i> , <b>2020</b> , 49, 11591-11596	4.3	7
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88	Li BaSc(BO ) F and LiBa Pb(BO ) F with Layered Structures featuring Special Li-O/F Configurations. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 15477-15481	4.8	7
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86	Experimental and ab initio studies of two UV nonlinear optical materials. <i>RSC Advances</i> , <b>2017</b> , 7, 20259-20265	3.7	6
85	Prediction of ternary fluorooxoborates with coplanar triangular units [BOF] from first-principles. <i>Dalton Transactions</i> , <b>2020</b> , 49, 5424-5428	4.3	6
84	A new barium-containing alkali metal silicate fluoride NaBa <sub>3</sub> Si <sub>2</sub> O <sub>7</sub> F with deep-UV optical property. <i>Science China Materials</i> , <b>2019</b> , 62, 1454-1462	7.1	6
83	K(POF)(SO): first fluorooxophosphorsulfate with mixed-anion [SO] and [POF] groups. <i>Dalton Transactions</i> , <b>2020</b> , 49, 17658-17664	4.3	6

82	Prediction of Novel van der Waals Boron Oxides with Superior Deep-Ultraviolet Nonlinear Optical Performance. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 10886-10892	3.6	6
81	Computationally assisted multistage design and prediction driving the discovery of deep-ultraviolet nonlinear optical materials. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 3507-3523	7.8	6
80	Noncentrosymmetric Rare-Earth Borate Fluoride LaBOF: A New Ultraviolet Nonlinear Optical Crystal with Enhanced Linear and Nonlinear Performance.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	6
79	$\text{Pb}_4\text{B}_2\text{O}_7$ and $\text{Pb}_4\text{B}_6\text{O}_{13}$ : Polymorphism drives changes in structure and performance. <i>Science China Materials</i> , <b>2020</b> , 63, 806-815	7.1	5
78	A Promising Fluorooxoborate Framework with Flexible Capability for Diverse Cations to Enhance the Second Harmonic Generation. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 3723-3728	4.8	5
77	Two noncentrosymmetric polyphosphates featuring infinite one-dimensional (PO <sub>3</sub> ) <sup>n</sup> chain, LiMP <sub>2</sub> O <sub>6</sub> (M = Rb, Cs): Synthesis, structure and optical properties. <i>Journal of Solid State Chemistry</i> , <b>2018</b> , 266, 150-154	3.3	5
76	Four alkali metal molybdates with two types of MoO <sub>4</sub> chains, ABMo <sub>3</sub> O <sub>10</sub> (A = Li, B = Rb; A = Li, Na, K, B = Cs): synthesis, structure comparison and optical properties. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 10879-10884	3.6	5
75	Structural insights into three phosphates with distinct polyanionic configurations. <i>Dalton Transactions</i> , <b>2019</b> , 48, 13406-13412	4.3	5
74	Achieving Short-Wavelength Phase-Matching Second Harmonic Generation in Boron-Rich Borosulfate with Planar [BO <sub>3</sub> ] Units. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	5
73	Enhanced optical anisotropy dimensional control in alkali-metal chalcogenides. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 19697-19703	3.6	5
72	Three non-centrosymmetric bismuth phosphates, Li <sub>2</sub> ABi(PO <sub>4</sub> ) <sub>2</sub> (A = K, Rb, and Cs): effects of cations on the crystal structure and SHG response. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 3364-3370	6.8	5
71	Ba <sub>2</sub> (BO <sub>3</sub> )(CO <sub>3</sub> )F: The First Borate Carbonate Fluoride Synthesized by the High-Temperature Solution Method. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 16628-16632	4.8	5
70	Pb <sub>3</sub> Ba <sub>7</sub> B <sub>7</sub> O <sub>20</sub> F: A new nonlinear optical material exhibiting large second harmonic generation response induced by its unprecedented Pb-B-O framework. <i>Scripta Materialia</i> , <b>2021</b> , 194, 113700	5.6	5
69	M <sub>3</sub> B <sub>6</sub> O <sub>10</sub> NO <sub>3</sub> (M = K, Rb): Two New Alkali Metal Borate-Nitrates with Noncentrosymmetric Structures. <i>European Journal of Inorganic Chemistry</i> , <b>2021</b> , 2021, 1297-1304	2.3	5
68	Synthesis, structure and properties of nonlinear optical crystal Li(H <sub>2</sub> O) <sub>4</sub> B(OH) <sub>4</sub> ·2H <sub>2</sub> O. <i>Materials Research Bulletin</i> , <b>2016</b> , 83, 423-427	5.1	5
67	Manipulation of birefringence via substitution of Sr <sup>2+</sup> by Pb <sup>2+</sup> based on the structure model of LiSr <sub>1-x</sub> Pb <sub>x</sub> BO <sub>3</sub> (0 ≤ x ≤ 0.5). <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 6120-6126	3.6	5
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65	Ba <sub>2</sub> B <sub>7</sub> O <sub>12</sub> F with novel FBB [B <sub>7</sub> O <sub>16</sub> F] and deep-ultraviolet cut-off edge. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 339-343	6.8	5



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62	LiBaMQ (M = Al, Ga, In; Q = S, Se): A Series of Metal Chalcogenides with a Structural Transition. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 12859-12866	5-1	4
61	RbBaTeBO: a novel [BO] fundamental building block in a new telluroborate with [TeO] polyhedra. <i>Dalton Transactions</i> , <b>2020</b> , 49, 8911-8917	4-3	4
60	LiCsLa(BO) and LiKLa(BO): new mixed alkali metal lanthanum borates with three-dimensional open frameworks and short cut-off edges. <i>Dalton Transactions</i> , <b>2018</b> , 47, 3512-3520	4-3	4
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58	NaSiSO: the first example of a sulfide silicate exhibiting unusual tri-polymerized [SiSO] units without S-O bonds. <i>Dalton Transactions</i> , <b>2017</b> , 46, 13356-13359	4-3	4
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56	Al(BO)(BO)F: A F-Containing Aluminum Borate Featuring Two Types of Isolated B-O Groups. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 810-817	5-1	4
55	Discovery of First Magnesium Fluorooxoborate with Stable Fluorine Terminated Framework for Deep-UV Nonlinear Optical Application. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 14771-14777	3-6	4
54	Mg(HO)BO(OH)(HO): a new hydrated borate with a short DUV cutoff edge. <i>Dalton Transactions</i> , <b>2019</b> , 48, 17408-17413	4-3	4
53	Barium fluoroiodate crystals with a large band gap and birefringence. <i>Inorganic Chemistry Frontiers</i> ,	6-8	4
52	An antimony(III) borate with large birefringence exhibiting unwonted [B <sub>5</sub> O <sub>11</sub> ] fundamental building blocks and dimeric [Sb <sub>2</sub> O <sub>6</sub> ] clusters. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 2584-2590	6-8	4
51	Tetrafluoroborate-Monofluorophosphate (NH <sub>4</sub> ) <sub>3</sub> [PO <sub>3</sub> F][BF <sub>4</sub> ]: First Member of Oxyfluoride with BB and PB Bonds. <i>ACS Organic &amp; Inorganic Au</i> ,		4
50	Li <sub>4</sub> MgGe <sub>2</sub> S <sub>7</sub> : The First Alkali and Alkaline-Earth Diamond-Like Infrared Nonlinear Optical Material with Exceptional Large Band Gap. <i>Angewandte Chemie</i> ,	3-6	4
49	Toward the Rational Design of Mid-Infrared Nonlinear Optical Materials with Targeted Properties via a Multi-Level Data-Driven Approach. <i>Advanced Functional Materials</i> , 2200231	15-6	4
48	The Combination of Structure Prediction and Experiment for the Exploration of Alkali-Earth Metal-Contained Chalcopyrite-Like IR Nonlinear Optical Material.. <i>Advanced Science</i> , <b>2022</b> , e2106120	13-6	4
47	Syntheses, crystal structures and characterization of three alkaline metal borates. <i>CrystEngComm</i> , <b>2017</b> , 19, 2561-2569	3-3	3

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45	Structural modulation induced by M metals in BaMQX (M = Al, Ga, In; Q = S, Se; X = Cl, Br): an experimental and computational analysis. <i>Dalton Transactions</i> , <b>2019</b> , 48, 12713-12719	4.3	3
44	Polymorphic Pb <sub>14</sub> O <sub>8</sub> I <sub>12</sub> and Pb <sub>7</sub> O <sub>4</sub> I <sub>6</sub> oxyhalides featuring unprecedented [O <sub>8</sub> Pb <sub>14</sub> ] clusters with broad IR transparency. <i>Science China Materials</i> , <b>2019</b> , 12, 1737-1744	7.1	3
43	Role of Fluorooxo-Functional Units in Symmetry Breaking and Second Harmonic Generation Response Contribution in Fluorooxoborate Nonlinear Optical Crystals. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 7582-7587	3.5	3
42	Na MQ (M=Zn, Cd; Q=S, Se): Promising New Ternary Infrared Nonlinear Optical Materials. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 6538-6544	4.8	3
41	Three diphosphates, $\square$ LiNaPO, LiPbBa(PO) and LiRb(PO): influences of co-substitution on the crystal structure. <i>Dalton Transactions</i> , <b>2020</b> , 49, 6744-6750	4.3	3
40	Series of Crystals with Giant Optical Anisotropy: A Targeted Strategic Research. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 1352-1358	3.6	3
39	CsAlBO: a short-wavelength nonlinear optical crystal with moderate second harmonic generation response. <i>Dalton Transactions</i> , <b>2021</b> , 50, 822-825	4.3	3
38	Sn <sub>14</sub> O <sub>11</sub> Br <sub>6</sub> : a promising birefringent material with a [Sn <sub>14</sub> O <sub>11</sub> Br <sub>6</sub> ] layer. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 7103-7109	7.1	3
37	Synergism of multiple functional chromophores significantly enhancing the birefringence in layered non-centrosymmetric chalcogenides. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 1588-1598	6.8	3
36	BaTi(BO <sub>3</sub> ) <sub>2</sub> : an excellent birefringent material with highly coplanar isolated [BO <sub>3</sub> ] groups. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 7065-7068	3.6	3
35	Hydroxyfluorooxoborate Na[B <sub>3</sub> O <sub>3</sub> F <sub>2</sub> (OH) <sub>2</sub> ][B(OH) <sub>3</sub> ]: Optimizing the Optical Anisotropy with Heteroanionic Units for Deep Ultraviolet Birefringent Crystals. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 20632-20638	3.6	3
34	Rb <sub>5</sub> Ba <sub>2</sub> (B <sub>10</sub> O <sub>17</sub> ) <sub>2</sub> (BO <sub>2</sub> ): The formation of unusual functional [BO <sub>2</sub> ] in borates with deep-ultraviolet transmission window. <i>Science China Chemistry</i> , <b>2022</b> , 65, 719-725	7.9	3
33	[C <sub>3</sub> N <sub>6</sub> H <sub>7</sub> ] <sub>2</sub> [B <sub>3</sub> O <sub>3</sub> F <sub>4</sub> (OH)]: a new hybrid birefringent crystal with strong optical anisotropy induced by mixed functional units. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 7103-7109	7.1	3
32	K <sub>2</sub> [B <sub>4</sub> O <sub>5</sub> (OH) <sub>4</sub> ][H <sub>2</sub> O] and K <sub>2</sub> [B <sub>4</sub> O <sub>5</sub> (OH) <sub>4</sub> ]: two new hydrated potassium borates with isolated [B <sub>4</sub> O <sub>5</sub> (OH) <sub>4</sub> ] <sub>2</sub> units and different structural frameworks. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 11660-11665	3.6	2
31	Two alkali calcium borates exhibiting second harmonic generation and deep-UV cutoff edges. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 9354-9363	3.6	2
30	Band-Gap Modulation of Nonlinear-Optical Fluorooxoborates by Controlling the F/B Ratios. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 1588-1591	5.1	2
29	From $\square$ Na B O to Na Al B O and Na Al B O : Structural Tuning of Anionic-Group Architectures by Substitution of [BO ] by [AlO ] Covalent Tetrahedra. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 6538-6544	4.8	2

28	Syntheses, Structures and Properties of Alkali and Alkaline Earth Metal Diamond-Like Compounds LiMgMSe (M = Ge, Sn). <i>Materials</i> , <b>2021</b> , 14,	3.5	2
27	SnBO: A Ternary Tin(II) Borate with Flexible [BO] Fundamental Building Block Formed by [BO] and [BO] Groups. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 883-891	5.1	2
26	Na <sub>3</sub> AMg <sub>7</sub> (PO <sub>4</sub> ) <sub>6</sub> (A = K, Rb and Cs): Structures, properties and theoretical studies of alkali metal magnesium orthophosphates. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1226, 129349	3.4	2
25	BaBOF with reversible phase transition featuring unprecedented fundamental building blocks of [BOF] in the -phase and [BOF] in the -phase. <i>Chemical Communications</i> , <b>2021</b> , 57, 4182-4185	5.8	2
24	LiB <sub>5</sub> O <sub>5</sub> F <sub>2</sub> (OH) <sub>4</sub> : A new deep-ultraviolet birefringent crystal with [B <sub>5</sub> O <sub>5</sub> F <sub>2</sub> (OH) <sub>4</sub> ] anionic group. <i>Science China Materials</i> , 1	7.1	2
23	From BaAl <sub>2</sub> (BO <sub>3</sub> ) <sub>2</sub> O to SnAl <sub>2</sub> (BO <sub>3</sub> ) <sub>2</sub> F <sub>2</sub> : structure transformation based on ion regulation. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 9852-9857	3.6	1
22	Fluorooxoborate layers: second harmonic generation and Raman spectra anisotropy. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 13939-13943	3.6	1
21	LiLa(BO) and LiNaLa(BO): A Great Enhancement in Birefringence Induced by Optimal Arrangement of EConjugated [BO] Units. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 12565-12572	5.1	1
20	AB <sub>11</sub> O <sub>16</sub> (OH) <sub>2</sub> (A = K and Cs): interpenetrating 2D layers with large birefringence. <i>CrystEngComm</i> , <b>2021</b> , 23, 35-39	3.3	1
19	BaZn(BO)F: a new beryllium-free zincoborate with a KBBF-type structure. <i>Dalton Transactions</i> , <b>2021</b> , 50, 13216-13219	4.3	1
18	SrTi(IO) <sub>2</sub> HO and SrSn(IO): distinct arrangements of lone pair electrons leading to large birefringences.. <i>RSC Advances</i> , <b>2021</b> , 11, 10309-10315	3.7	1
17	From centrosymmetric to noncentrosymmetric: effect of the cation on the crystal structures and birefringence values of (NH)AE(POF) (AE = Mg, Sr and Ba; = 2, 3 and 4). <i>Dalton Transactions</i> , <b>2021</b> , 50, 10206-10213	4.3	1
16	From BaCl <sub>2</sub> to Ba(NO <sub>3</sub> )Cl: significantly enhanced birefringence derived from EConjugated [NO <sub>3</sub> ]. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 17544-17550	3.6	1
15	Pb <sub>2.28</sub> Ba <sub>1.72</sub> B <sub>10</sub> O <sub>19</sub> featuring a three-dimensional BO anionic network with edge-sharing [BO <sub>4</sub> ] obtained under ambient pressure. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 3716-3722	6.8	1
14	BaBOBr: a new barium borate halide with B-O layered structure. <i>Dalton Transactions</i> , <b>2018</b> , 47, 16418-16431	4.3	1
13	Two deep-ultraviolet nonlinear optical monolayers obtained by a template-optimized design strategy. <i>Inorganic Chemistry Frontiers</i> ,	6.8	1
12	Removing CenterEAn Effective Structure Design Strategy for Nonlinear Optical Crystals. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 2429-2438	9.6	1
11	Lone Pair-Driven Enhancement of Birefringence in Polar Alkali Metal Antimony Phosphates. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 4224-4231	9.6	1

10	An alkali metal phosphate $\text{RbPbBi}_2(\text{PO}_4)_3$ with three kinds of disorder: the effect of isolated soft cation units on the crystal structure. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 2050-2054	6.8	o
9	$\text{AZn}_2(\text{BO}_3)\text{Si}_2\text{O}_5$ (A = Rb, Cs): first examples of $\text{KBe}_2\text{BO}_3\text{F}_2$ structure type in the borosilicate family exhibiting a deep-ultraviolet cutoff edge. <i>Journal of Materials Chemistry C</i> , <b>2022</b> , 10, 1727-1734	7.1	o
8	Design of a diamond-like infrared nonlinear optical material $\text{LiBS}_2$ with ultra-wide band gap. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 902, 163839	5.7	o
7	$\text{Ba}_2\text{B}_{13}\text{O}_{19}(\text{OH})_5 \cdot 5\text{H}_2\text{O}$ : A promising nonlinear optical material with a unique $2[\text{B}_{13}\text{O}_{19}(\text{OH})_5]$ two-dimensional layer. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 897, 163194	5.7	o
6	$\text{Na}^+/\text{Ag}^+$ substitution induced birefringence enhancement from $\text{AgGaS}_2$ to $\text{NaGaS}_2$ . <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 896, 163093	5.7	o
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4	Design and synthesis of $\text{BaSiSe}$ with suitable birefringence modulated via M atoms in the Ba-M-Q (M = Si, Ge; Q = S, Se) system. <i>Dalton Transactions</i> , <b>2021</b> , 50, 11999-12005	4.3	o
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1	The synthesis, characterization, and theoretical analysis of $(\text{NH}_4)_3\text{PbCl}_5$ . <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 2038-2043	3.6	