Kang Min Ok

List of Publications by Year in Descending Order

245 papers	8,898 citations	49 h-index	87 g-index
326 ext. papers	10,267 ext. citations	5.8 avg, IF	6.83 L-index

#	Paper	IF	Citations
245	High-Performance Sulfate Optical Materials Exhibiting Giant Second Harmonic Generation and Large Birefringence.. *Angewandte Chemie - International Edition*, **2022**,	16.4	12
244	Novel layered heterobimetallic fluorides with large optical band gaps. *Journal of Solid State Chemistry*, **2022**, 309, 122957	3.3	
243	Low-temperature synthesis of molybdenum sulfides, tungsten sulfides, and composites thereof as efficient electrocatalysts for hydrogen evolution reaction. *Applied Surface Science*, **2022**, 576, 151828	6.7	1
242	Nonlinear optical properties of a new polar bismuth tellurium oxide fluoride, Bi3F(TeO3)(TeO2F2)3. *Journal of Alloys and Compounds*, **2022**, 895, 162603	5.7	0
241	Metal oxyhalides: an emerging family of nonlinear optical materials.. *Chemical Science*, **2022**, 13, 3942-3956	9.4	9
240	Reply to the Correspondence on K2Sb(P2O7)F: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance *Angewandte Chemie*, **2021**, 133, 3900-3901	3.6	
239	I3O0-Type 3D Framework of Cobalt Cinnamate and Its Efficient Electrocatalytic Activity toward the Oxygen Evolution Reaction. *Chemistry of Materials*, **2021**, 33, 2804-2813	9.6	4
238	Catalytic and Enantioselective Control of the C-N Stereogenic Axis via the Pictet-Spengler Reaction. *Angewandte Chemie - International Edition*, **2021**, 60, 12279-12283	16.4	17
237	A new bismuth coordination polymer with proton conductivity and orange-red photoluminescence. *Journal of Coordination Chemistry*, **2021**, 74, 1810-1822	1.6	1
236	SrNbOF4HO and SrNbOF2HO: A Variant of Three-Dimensional Tungsten Bronze and a Polar Molecular Oxide Fluoride. *Inorganic Chemistry*, **2021**, 60, 7914-7921	5.1	6
235	Innentitelbild: Hydrogen-Bond-Driven Synergistically Enhanced Hyperpolarizability: Chiral Coordination Polymers with Nonpolar Structures Exhibiting Unusually Strong Second-Harmonic Generation (Angew. Chem. 38/2021). *Angewandte Chemie*, **2021**, 133, 20734-20734	3.6	
234	Third-Order Nonlinear Optical Response-Driven Upconversion Phosphors. *Advanced Optical Materials*, **2021**, 9, 2100549	8.1	0
233	-Type Double Doping and the Diamond-like Morphology Shift of the Zintl Phase Thermoelectric Materials: The CaASbGe (A = Na, Li; 0.06(3) 0.17(5), 0.19(1) 0.55(1), 0.13(1) 0.22(1)) System. *Inorganic Chemistry*, **2021**, 60, 10124-10136	5.1	0
232	Hydrogen-Bond-Driven Synergistically Enhanced Hyperpolarizability: Chiral Coordination Polymers with Nonpolar Structures Exhibiting Unusually Strong Second-Harmonic Generation. *Angewandte Chemie - International Edition*, **2021**, 60, 20656-20660	16.4	17
231	Hydrogen-Bond-Driven Synergistically Enhanced Hyperpolarizability: Chiral Coordination Polymers with Nonpolar Structures Exhibiting Unusually Strong Second-Harmonic Generation. *Angewandte Chemie*, **2021**, 133, 20824-20828	3.6	1
230	Novel enantiomorphic Pb-coordination polymers dictated by the corresponding chiral ligands, [Pb((R,R)-TBA)(H2O)]1.7H2O and [Pb((S,S)-TBA)(H2O)]1.7H2O [TBA = 1,3,5-triazin-2(1H)-one-4,6-bis(alanyl)]. *Materials Chemistry Frontiers*, **2021**, 5, 1330-1340	7.8	8
229	Chiral Template-Driven Macroscopic Chirality Control: Structure-Second-Harmonic Generation Properties Relationship. *European Journal of Inorganic Chemistry*, **2021**, 2021, 426-434	2.3	4

228	Unique synthesis, structure determination, and optical properties of seven new layered rare earth tellurite nitrates, RE(TeO3)(NO3) (RE = La, Nd, Eu, Gd, Dy, Er, and Y). *Journal of Alloys and Compounds*, **2021**, 851, 156855	5.7	4
227	Reply to the Correspondence on "K Sb(P O)F: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance". *Angewandte Chemie - International Edition*, **2021**, 60, 3856-3857	16.4	1
226	Homochiral three-dimensional noncentrosymmetric lanthanide coordination polymers directed by chiral linkers: syntheses, crystal structures, and optical properties. *CrystEngComm*, **2021**, 23, 3701-3709	3.3	1
225	Upconversion properties in lanthanide doped layered-perovskite, CsBiNbO. *Journal of Chemical Physics*, **2021**, 154, 054701	3.9	1
224	Order and Disorder: Toward the Thermodynamically Stable □BaMoO2F4 from the Metastable Polymorph. *Chemistry of Materials*, **2021**, 33, 1875-1882	9.6	11
223	p-Type to n-Type Conversion through the □Bypass□Phase Transition in the Zintl-Phase Thermoelectric Materials. *Chemistry of Materials*, **2021**, 33, 6761-6773	9.6	0
222	Structural Origin of Very Large Second-Harmonic Generation of a Layered Perovskite, Na0.5Bi2.5Nb2O9. *Chemistry of Materials*, **2021**, 33, 6564-6571	9.6	3
221	KInTeTeO: Zirconolite-like Mixed-Valent Metal Oxide with a 3D Framework. *Inorganic Chemistry*, **2021**, 60, 15091-15095	5.1	
220	Conformational Adaptation of □Peptide Foldamers for the Formation of Metal-Peptide Frameworks. *Angewandte Chemie - International Edition*, **2021**,	16.4	1
219	Systematic centricity control using a chiral template: novel noncentrosymmetric polar niobium oxyfluorides and tantalum fluorides directed by chiral histidinium cations, [(L-hisH2)NbOF5], [(D-hisH2)NbOF5], [(L-hisH2)TaF7], and [(D-hisH2)TaF7]. *Inorganic Chemistry Frontiers*, **2021**, 8, 3843-3850	6.8	0
218	R□cktitelbild: Pb18O8Cl15I5: A Polar Lead Mixed Oxyhalide with Unprecedented Architecture and Excellent Infrared Nonlinear Optical Properties (Angew. Chem. 46/2020). *Angewandte Chemie*, **2020** , 132, 20896-20896	3.6	
217	Site-Selective n-Type □Heavy□Rare-Earth-Metal Doping in the Complex Zintl Phase Ca11□REx□Sb10□ (RE = Tb, Dy, Ho, Er, Tm). *Crystal Growth and Design*, **2020**, 20, 4503-4511	3.5	4
216	Second-Harmonic Generation and Photoluminescence Properties of Sn(II)- and Bi(III)-Based Lone Pair Cation-Pyridine Dicarboxylate Coordination Compounds. *Inorganic Chemistry*, **2020**, 59, 11554-11561	5.1	9
215	Noncovalent Intermolecular Interaction in Cofacially Stacked 24□Antiaromatic Hexaphyrin Dimer. *Chemistry - A European Journal*, **2020**, 26, 16434-16440	4.8	4
214	A Plausible Formation Mechanism of Polyoxoperoxomolybdates With Variable Structures. *Bulletin of the Korean Chemical Society*, **2020**, 41, 588-591	1.2	12
213	Lead Mixed Oxyhalides Satisfying All Fundamental Requirements for High-Performance Mid-Infrared Nonlinear Optical Materials. *Angewandte Chemie*, **2020**, 132, 7584-7590	3.6	21
212	Lead Mixed Oxyhalides Satisfying All Fundamental Requirements for High-Performance Mid-Infrared Nonlinear Optical Materials. *Angewandte Chemie - International Edition*, **2020**, 59, 7514-7520	16.4	66
211	Bi3(SeO3)3(Se2O5)F: A Polar Bismuth Selenite Fluoride with Polyhedra of Highly Distortive Lone Pair Cations and Strong Second-Harmonic Generation Response. *Chemistry of Materials*, **2020**, 32, 7318-7326	9.6	20

210	Crystal structure of bis(4-phenylpiperazin-1-ium) bis(2-(4-phenylpiperazin-1-yl)succinato-κ2O,O?)copper(II) tetrahydrate, C48H70CuN8O12, [C10H14N2]2[Cu(C14H17N2O4)2] ? 4 H2O. *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2020**, 235, 511-513	0.2	1
209	Chemical Driving Force for Phase-Transition in the Ca2−xRExCdSb2 (RE = Yb, Eu; 0.11(1) ≤ x ≤ 1.36(2)) System. *Crystal Growth and Design*, **2020**, 20, 746-754	3.5	7
208	Experimental and Theoretical Investigations for the Quaternary Mixed-Cation Zintl Phase Ca1.82(1)Eu0.18CdSb2. *Bulletin of the Korean Chemical Society*, **2020**, 41, 245-247	1.2	2
207	Novel ultraviolet (UV) nonlinear optical (NLO) materials discovered by chemical substitution-oriented design. *Chemical Science*, **2020**, 11, 5404-5409	9.4	101
206	Innentitelbild: Lead Mixed Oxyhalides Satisfying All Fundamental Requirements for High-Performance Mid-Infrared Nonlinear Optical Materials (Angew. Chem. 19/2020). *Angewandte Chemie*, **2020**, 132, 7342-7342	3.6	
205	Dimensionality−Band Gap−Third-Harmonic Generation Property Relationship in Novel Main-Group Metal Iodates. *Chemistry of Materials*, **2020**, 32, 3621-3630	9.6	12
204	Influence of structure-directing polyhedra and heterocyclic ligands on the chain structures and O/F ordering in a series of zinc vanadium oxyfluorides. *CrystEngComm*, **2020**, 22, 3206-3214	3.3	0
203	Crystal structure of (1,3-propanediamine-κ2N,N?)(N-(3-aminopropyl)-κ-methyl aspartato-κ4N,N?,O,O?)cobalt(III) chloride, C11H24ClCoN4O4. *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2020**, 235, 945-946	0.2	
202	Thiostannate coordination transformation-induced self-crosslinking chalcogenide aerogel with local coordination control and effective Cs+ remediation functionality. *Journal of Materials Chemistry A*, **2020**, 8, 3468-3480	13	4
201	Synthesis, Structure, and Characterization of Variable Chains in a Series of Transition Metal Coordination Compounds. *European Journal of Inorganic Chemistry*, **2020**, 2020, 452-460	2.3	5
200	Na2Mg1−xZnxSiO4 (0 ≤ x ≤ 1): Noncentrosymmetric Sodium Metal Silicate Solid Solutions with Ultraviolet Nonlinear Optical Properties. *Bulletin of the Korean Chemical Society*, **2020**, 41, 139-142	1.2	48
199	Synthesis, structure, and third-harmonic generation measurements of a mixed alkali metal iodate, KLi2(IO3)3. *Journal of Solid State Chemistry*, **2020**, 282, 121120	3.3	6
198	Hexagonal tungsten oxides with large bandgaps synthesized by a chemical substitution method. *Inorganic Chemistry Frontiers*, **2020**, 7, 4469-4476	6.8	7
197	K2Sb(P2O7)F: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance. *Angewandte Chemie*, **2020**, 132, 21337-21342	3.6	19
196	K Sb(P O)F: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance. *Angewandte Chemie - International Edition*, **2020**, 59, 21151-21156	16.4	60
195	Two Steps to Improve the Thermoelectric Performance of the CaYbAlInSb System. *Inorganic Chemistry*, **2020**, 59, 13572-13582	5.1	5
194	Recent Advances in Oxide-based Nonlinear Optical Materials with Wide Infrared Transparency Beyond 6 μm. *Chemistry - an Asian Journal*, **2020**, 15, 3709-3716	4.5	11
193	Pb O Cl I : A Polar Lead Mixed Oxyhalide with Unprecedented Architecture and Excellent Infrared Nonlinear Optical Properties. *Angewandte Chemie - International Edition*, **2020**, 59, 20323-20327	16.4	49

192	Pb18O8Cl15I5: A Polar Lead Mixed Oxyhalide with Unprecedented Architecture and Excellent Infrared Nonlinear Optical Properties. *Angewandte Chemie*, **2020**, 132, 20503-20507	3.6	16
191	Lead□Organic Frameworks Containing Trimesic Acid: Facile Dissolution□Crystallization and Near-White Light Emission. *Crystal Growth and Design*, **2019**, 19, 6274-6282	3.5	10
190	Bi2Te2O6(NO3)2(OH)2(H2O): A layered bismuth tellurium nitrate hydroxide with multiple noncentrosymmetric chromophores. *Journal of Solid State Chemistry*, **2019**, 271, 298-302	3.3	10
189	Trapping of Stable [4n+1] π-Electron Species from Peripherally Substituted, Conformationally Rigid, Antiaromatic Hexaphyrins. *Chemistry - A European Journal*, **2019**, 25, 3525-3531	4.8	8
188	Mixed Transition Metal (Oxy)fluoride Paramagnet Chains: Synthesis, Structure, and Characterization. *European Journal of Inorganic Chemistry*, **2019**, 2019, 3112-3119	2.3	1
187	Variable Chains Found in Mixed Transition Metal Oxyfluorides with Heterocyclic Ligands. *Crystal Growth and Design*, **2019**, 19, 3435-3444	3.5	2
186	meso-Bis(ethynyl) Versus meso-Bis(aryl) Calix[4]pyrroles: Dimensionally Well-Modulated Receptors That Can Regulate the Anion Binding Domains. *Journal of Organic Chemistry*, **2019**, 84, 6851-6857	4.2	2
185	Effect of Rare-Earth Metals Substitution for Ca on the Crystal Structure and Thermoelectric Properties of the Ca11−xRExSb10 System. *Crystal Growth and Design*, **2019**, 19, 3498-3508	3.5	8
184	Crystals of Sb3+-coordination complexes exhibiting yellowish green emissions with outstanding lifetimes. *Journal of Solid State Chemistry*, **2019**, 274, 69-74	3.3	6
183	CsSbF2SO4: An Excellent Ultraviolet Nonlinear Optical Sulfate with a KTiOPO4 (KTP)-type Structure. *Angewandte Chemie*, **2019**, 131, 6598-6604	3.6	56
182	CsSbF SO : An Excellent Ultraviolet Nonlinear Optical Sulfate with a KTiOPO (KTP)-type Structure. *Angewandte Chemie - International Edition*, **2019**, 58, 6528-6534	16.4	179
181	Histidinium-Driven Chirality Control of Self-Assembled Hybrid Molybdenum Oxyfluorides. *Chemistry - A European Journal*, **2019**, 25, 15871-15878	4.8	10
180	Crystal structure of diaqua-bis(cinnamato-κO,O?)zinc(II), C18H18ZnO6. *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2019**, 234, 975-976	0.2	
179	Functional layered materials with heavy metal lone pair cations, Pb, Bi, and Te. *Chemical Communications*, **2019**, 55, 12737-12748	5.8	45
178	Layered Bismuth Oxyfluoride Nitrates Revealing Large Second-Harmonic Generation and Photocatalytic Properties. *Inorganic Chemistry*, **2019**, 58, 2183-2190	5.1	21
177	Preparation and characterization of single crystals of tetrakis(4-(5,5-dimethyl-2-phenyl-1,3-dioxan-2-yl)phenyl)germane. *Journal of Industrial and Engineering Chemistry*, **2019**, 69, 444-448	6.3	0
176	LiM(SeO) (M = Co, Ni, and Cd) and LiZn(SeO): Selenites with Late Transition-Metal Cations. *Inorganic Chemistry*, **2018**, 57, 3465-3473	5.1	25
175	Pb[NC5H3(CO2)2]: a white light emitting single component coordination polymer revealing high quantum efficiency and thermal stability. *Inorganic Chemistry Frontiers*, **2018**, 5, 1273-1276	6.8	16

174	From a Metastable Layer to a Stable Ring: A Kinetic Study for Transformation Reactions of Li2Mo3TeO12 to Polyoxometalates. *Chemistry - A European Journal*, **2018**, 24, 6664-6664	4.8	
173	Synthesis, second-harmonic generation (SHG), and photoluminescence (PL) properties of noncentrosymmetric bismuth selenite solid solutions, Bi2-xLnxSeO5 (Ln = La and Eu; x = 0□.3). *Solid State Sciences*, **2018**, 76, 105-110	3.4	0
172	Preparation of a Sr2-xEuxSi5N8 Phosphor Using an Ion Transporter. *ECS Journal of Solid State Science and Technology*, **2018**, 7, R3001-R3005	2	3
171	Rb3VO(O2)2CO3: A Four-in-One Carbonatoperoxovanadate Exhibiting an Extremely Strong Second-Harmonic Generation Response. *Angewandte Chemie*, **2018**, 130, 8755-8758	3.6	38
170	A series of oxyfluoride chains containing asymmetric basic building units of both early- and late-transition metal cations. *Journal of Solid State Chemistry*, **2018**, 267, 140-145	3.3	3
169	Unexpected halide anion binding modes in meso-bis-ethynyl picket-calix[4]pyrroles: effects of meso-□(ethynyl) extension. *Chemical Communications*, **2018**, 54, 7936-7939	5.8	4
168	From a Metastable Layer to a Stable Ring: A Kinetic Study for Transformation Reactions of Li Mo TeO to Polyoxometalates. *Chemistry - A European Journal*, **2018**, 24, 6712-6716	4.8	11
167	Crystal structure of diaqua-bis(3,3-dimethylacrylato-□O,O?)zinc(II), C10H18ZnO6. *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2018**, 234, 139-140	0.2	1
166	[(()-CHN)][BiBr] and [(()-CHN)][BiBr]: Chiral Hybrid Bismuth Bromides Templated by Chiral Organic Cations. *ACS Omega*, **2018**, 3, 17895-17903	3.9	26
165	CsVO(O)CO: an exceptionally thermostable carbonatoperoxovanadate with an extremely large second-harmonic generation response. *Chemical Science*, **2018**, 9, 8957-8961	9.4	90
164	Solvothermal Synthesis of Ferroelectric BaTiO3 Nanoparticles and Their Application to Dye-sensitized Solar Cells. *Journal of the Korean Physical Society*, **2018**, 73, 627-631	0.6	7
163	Rb VO(O) CO : A Four-in-One Carbonatoperoxovanadate Exhibiting an Extremely Strong Second-Harmonic Generation Response. *Angewandte Chemie - International Edition*, **2018**, 57, 8619-8622	16.4	140
162	Variable Asymmetric Chains in Transition Metal Oxyfluorides: Structure-Second-Harmonic-Generation Property Relationships. *Inorganic Chemistry*, **2018**, 57, 6702-6709	5.1	12
161	Influence of Thermally Activated Solid-State Crystal-to-Crystal Structural Transformation on the Thermoelectric Properties of the Ca5□YbxAl2Sb6 (1.0 □x □5.0) System. *Chemistry of Materials*, **2017**, 29, 1384-1395	9.6	13
160	Hexagonal tungsten oxide nanoflowers as enzymatic mimetics and electrocatalysts. *Scientific Reports*, **2017**, 7, 40928	4.9	27
159	Synthesis, second-harmonic generations (SHG), and photoluminescence (PL) properties of Ca 4 Bi 6-x Ln x O 13 (Ln=La and Eu) solid solutions. *Journal of Solid State Chemistry*, **2017**, 252, 28-32	3.3	2
158	Syntheses, Structures, and Characterization of Quaternary Tellurites, LiMTeO (M = Al, Ga, and Fe). *Inorganic Chemistry*, **2017**, 56, 5873-5879	5.1	9
157	Crystal structure of tetrakis(□-3,3-dimethylacrylato-□O,O?)-bis(2-aminopyrimidine-□N) dicopper(II), C28H38Cu2N6O8. *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2017**, 232, 495-496	0.2	

156	Effect of MultiSubstitution on the Thermoelectric Performance of the CaYbSbGe (0 x 9; 0 y 3; 0 z 3) System: Experimental and Theoretical Studies. *Inorganic Chemistry*, **2017**, 56, 7099-7110	5.1	12
155	Photoconversion Mechanisms and the Origin of Second-Harmonic Generation in Metal Iodates with Wide Transparency, NaLn(IO) (Ln = La, Ce, Sm, and Eu) and NaLa(IO):Ln (Ln = Sm and Eu). *Inorganic Chemistry*, **2017**, 56, 6973-6981	5.1	18
154	Major Role of Surface Area in Perovskite Electrocatalysts for Alkaline Systems. *ChemElectroChem*, **2017**, 4, 468-471	4.3	6
153	Noncentrosymmetric (NCS) solid solutions: elucidating the structure-nonlinear optical (NLO) property relationship and beyond. *Dalton Transactions*, **2017**, 46, 15628-15635	4.3	13
152	New quaternary alkali metal cadmium selenites, A2Cd(SeO3)2 (A = K, Rb, and Cs) and Li2Cd3(SeO3)4. *Journal of Solid State Chemistry*, **2017**, 256, 213-218	3.3	1
151	BF2-Complexes of CarbazoleBenzimidazole Conjugates: Synthesis, Structures, and Spectroscopic Properties. *Bulletin of the Korean Chemical Society*, **2017**, 38, 1163-1168	1.2	3
150	LiMn(SeO): Lithium-Rich Transition Metal Selenite Containing Jahn-Teller Distortive Cations. *Inorganic Chemistry*, **2017**, 56, 9369-9375	5.1	2
149	Variable dimensionality and framework found in a series of quaternary zinc selenites, A 2 Zn 3 (SeO 3) 4 x H 2 O (A = Na, Rb, and Cs; 0 x 1) and Cs 2 Zn 2 (SeO 3) 3 2H 2 O. *Journal of Solid State Chemistry*, **2017**, 245, 1-9	3.3	1
148	Anisotropic Li+ ion conductivity in a large single crystal of a Co(III) coordination complex. *Inorganic Chemistry Frontiers*, **2017**, 4, 79-83	6.8	9
147	Ce11Ge3.73(2)In6.27: Solid-state synthesis, crystal structure and site-preference. *Journal of Solid State Chemistry*, **2016**, 236, 195-202	3.3	10
146	Pb2 BO3 Cl: A Tailor-Made Polar Lead Borate Chloride with Very Strong Second Harmonic Generation. *Angewandte Chemie - International Edition*, **2016**, 55, 12078-82	16.4	227
145	A Polar Titanium-Organic Chain with a Very Large Second-Harmonic-Generation Response. *Inorganic Chemistry*, **2016**, 55, 11635-11638	5.1	4
144	Toward the Rational Design of Novel Noncentrosymmetric Materials: Factors Influencing the Framework Structures. *Accounts of Chemical Research*, **2016**, 49, 2774-2785	24.3	328
143	Detection of Methomyl, a Carbamate Insecticide, in Food Matrices Using Terahertz Time-Domain Spectroscopy. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2016**, 37, 486-497	2.2	30
142	New niobium selenites, ANbO(SeO3)2 (A = Na, K, Rb, and Cs): Effect of alkali metal cation size on the dimensionality and intraoctahedral distortion. *Journal of Alloys and Compounds*, **2016**, 662, 381-387	5.7	7
141	Crystal structure of trans-bis(2-methylmaleato-2O,O?) bis(piperazinium-N) cobalt(II) trihydrate, C18H36CoN4O11. *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2016**, 231, 553-555	0.2	
140	Optical characteristics and longevity of the line-emitting K_2SiF_6:Mn^4+ phosphor for LED application. *Optical Materials Express*, **2016**, 6, 782	2.6	51
139	Controlled aqueous synthesis of ultra-long copper nanowires for stretchable transparent conducting electrode. *Journal of Materials Chemistry C*, **2016**, 4, 1441-1447	7.1	65

138	Ytterbium oxide nanodots via block copolymer self-assembly and their efficacy to dye-sensitized solar cells. *Applied Surface Science*, **2016**, 364, 573-578	6.7	8
137	Synthesis and Characterization of Three New Layered Vanadium Tellurites, MVTe2O8 (M = Al, Ga, and Mn): Three-Dimensional (3-D) Antiferromagnetic Behavior of MnVTe2O8 with a Zigzag S = 2 Spin Chain. *Inorganic Chemistry*, **2016**, 55, 1347-53	5.1	16
136	Two New Non-centrosymmetric n = 3 Layered Dion□acobson Perovskites: Polar RbBi2Ti2NbO10 and Nonpolar CsBi2Ti2TaO10. *Chemistry of Materials*, **2016**, 28, 2424-2432	9.6	38
135	Synthesis, characterization, and electrochemical performance of V-doped Li 2 MnSiO 4 /C composites for Li-ion battery. *Materials Letters*, **2016**, 164, 270-273	3.3	20
134	Rb2Na(NO3)3: A Congruently Melting UV-NLO Crystal with a Very Strong Second-Harmonic Generation Response. *Crystals*, **2016**, 6, 42	2.3	49
133	Cationic Site-Preference in the YbCaAlSb (4.81 □x □1 0.57) Series: Theoretical and Experimental Studies. *Materials*, **2016**, 9,	3.5	13
132	Polar Noncentrosymmetric ZnMoSb2O7 and Nonpolar Centrosymmetric CdMoSb4O10: d(10) Transition Metal Size Effect Influencing the Stoichiometry and the Centricity. *Inorganic Chemistry*, **2016**, 55, 6286-93	5.1	25
131	Nonlinear optical (NLO) properties and temperature-dependent photoluminescence in activator-doped noncentrosymmetric (NCS) bismuth tellurite solid solutions, Bi2□n TeO5 (Ln□=□Ce and Eu). *Journal of Alloys and Compounds*, **2016**, 672, 470-475	5.7	4
130	Influence of Ca-doping in layered perovskite PrBaCo2O5+□on the phase transition and cathodic performance of a solid oxide fuel cell. *Journal of Materials Chemistry A*, **2016**, 4, 6479-6486	13	45
129	LiSc(SeO3)2□xH2O (0 □x □1): New Selenites Revealing Water Molecule-Driven Extremely High Temperature Single-Crystal-to-Single-Crystal Transformations. *Crystal Growth and Design*, **2016**, 16, 3076-3080	3.5	11
128	Pb2BO3Cl: A Tailor-Made Polar Lead Borate Chloride with Very Strong Second Harmonic Generation. *Angewandte Chemie*, **2016**, 128, 12257-12261	3.6	96
127	Crystal Structure, 7Li NMR, and Structural Relationship of Two Rare-Earth Metal Richer Polar Intermetallics: La15Ge9Li1.50(16) and La7Ge3. *Bulletin of the Korean Chemical Society*, **2016**, 37, 1344-1353	1.2	1
126	Fast ultrasound-assisted synthesis of Li2MnSiO4 nanoparticles for a lithium-ion battery. *Journal of Power Sources*, **2015**, 294, 522-529	8.9	12
125	Pb3[C6(CH3)3(CO2)3H6]2[DMF]3: first layered Pb-Kemp's triacid complex. *Chemical Communications*, **2015**, 51, 13166-9	5.8	8
124	Modulation of Framework and Centricity: Cation Size Effect in New Quaternary Selenites, ASc(SeO3)2 (A = Na, K, Rb, and Cs). *Inorganic Chemistry*, **2015**, 54, 5032-8	5.1	29
123	Copper(II) complexes with N-substituted aspartic acids: A new one-pot synthesis method via in situ Michael addition of amines to fumaric acid. *Inorganica Chimica Acta*, **2015**, 430, 280-287	2.7	5
122	New quaternary oxides with both families of second-order Jahn□eller (SOJT) distortive cations: Solid-state synthesis, structure determination, and characterization of YNbTe2O8 and YNbSe2O8. *Journal of Alloys and Compounds*, **2015**, 637, 155-161	5.7	6
121	Second-harmonic generation (SHG) and photoluminescence properties of noncentrosymmetric (NCS) layered perovskite solid solutions, CsBi1□EuxNb2O7 (x = 0, 0.1, and 0.2). *Journal of Materials Chemistry C*, **2015**, 3, 5625-5630	7.1	21

120	ACdCO3F (A = K and Rb): new noncentrosymmetric materials with remarkably strong second-harmonic generation (SHG) responses enhanced via Interaction. *RSC Advances*, **2015**, 5, 84754-84761	3.7	53
119	Structure-Directing Effect of Alkali Metal Cations in New Molybdenum Selenites, Na2Mo2O5(SeO3)2, K2Mo2O5(SeO3)2, and Rb2Mo3O7(SeO3)3. *Inorganic Chemistry*, **2015**, 54, 8832-9	5.1	11
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