

Univ-Prof Dr Hubert Huppertz

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#	Paper	IF	Citations
259	Multianvil high-pressure / high-temperature synthesis in solid state chemistry. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2004 , 219,	1	230
258	Multianvil high-pressure synthesis of Dy(4)B(6)O(15): the first oxoborate with edge-sharing BO(4) tetrahedra. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9376-7	16.4	190
257	Sr[LiAlON]:Eu-A high performance red phosphor to brighten the future. <i>Nature Communications</i> , 2019 , 10, 1824	17.4	162
256	Nitridosilicates-A Significant Extension of Silicate Chemistry. <i>Chemistry - A European Journal</i> , 1997 , 3, 679-683	4.8	158
255	High-pressure preparation, crystal structure, and properties of alpha-(RE)2B4O9 (RE=Eu, Gd, Tb, Dy): oxoborates displaying a new type of structure with edge-sharing BO4 tetrahedra. <i>Chemistry - A European Journal</i> , 2003 , 9, 3623-33	4.8	113
254	High temperature syntheses of novel nitrido- and oxonitrido-silicates and sialons using rf furnaces. <i>Journal of Materials Chemistry</i> , 1999 , 9, 289-296		107
253	Edge-sharing SiN4 Tetrahedra in the Highly Condensed Nitridosilicate BaSi7 N10. <i>Chemistry - A European Journal</i> , 1997 , 3, 249-52	4.8	90
252	A new non-centrosymmetric modification of BiB(3)O(6). <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 8239-41	16.4	75
251	Formation of edge-sharing BO4 tetrahedra in the high-pressure borate HP-NiB2O4. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 9097-100	16.4	74
250	High-Pressure Preparation, Crystal Structure, and Properties of RE4B6O15 (RE = Dy, Ho) with an Extension of the Fundamental Building Block Descriptors. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2003 , 58, 278-290	1	69
249	New synthetic discoveries via high-pressure solid-state chemistry. <i>Chemical Communications</i> , 2011 , 47, 131-40	5.8	68
248	Associating Borate and Silicate Chemistry by Extreme Conditions: High-Pressure Synthesis, Crystal Structure, and Properties of the New Borates RE3B5O12 (RE = Er, Lu). <i>Chemistry of Materials</i> , 2005 , 17, 2707-2715	9.6	61
247	Multianvil high-pressure/high-temperature preparation, crystal structure, and properties of the new oxoborate ErZnB4O7. <i>Solid State Sciences</i> , 2003 , 5, 281-289	3.4	59
246	BaYbSi4N7 Unexpected Structural Possibilities in Nitridosilicates. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 1983-1984		59
245	Ba2Nd7Si11N23 A Nitridosilicate with a Zeolite-Analogous SiN Structure. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2651-2652		55
244	Narrow-Band Red Emission in the Nitridolithoaluminate Sr4[LiAl11N14]:Eu2+. <i>Chemistry of Materials</i> , 2017 , 29, 1204-1209	9.6	51
243	HP-KB3O5 Highlights the Structural Diversity of Borates: Corner-Sharing BO3/BO4 Groups in Combination with Edge-Sharing BO4 Tetrahedra. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 4147-4152	2.3	49

242	Pressure-Induced Crystallization and Characterization of the Tin Borate SnB_4O_7 . <i>Chemistry of Materials</i> , 2007 , 19, 254-262	9.6	49
241	Multianvil High-Pressure Syntheses and Crystal Structures of the New Rare-Earth Oxoborates DyBO_3 and ErBO_3 . <i>Journal of Solid State Chemistry</i> , 2002 , 166, 203-212	3.3	48
240	$\text{BaYbSi}_4\text{N}_7$ Überraschende strukturelle Möglichkeiten in Nitridosilicaten. <i>Angewandte Chemie</i> , 1996 , 108, 2115-2116	3.6	47
239	Alkali Lithosilicates: Renaissance of a Reputable Substance Class with Surprising Luminescence Properties. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13676-13680	16.4	46
238	High-pressure preparation, crystal structure, and properties of the new rare-earth oxoborate $\text{Dy}_2\text{B}_4\text{O}_9$. <i>Journal of Solid State Chemistry</i> , 2003 , 170, 320-329	3.3	42
237	$\text{Gd}_2\text{B}_4\text{O}_9$: Ein weiteres Oxoborat mit kanten-verknüpften BO_4 -Tetraedern. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2002 , 628, 2165-2165	1.3	41
236	Synthesis and characterization of a new high NIR reflective ytterbium molybdenum oxide and related doped pigments. <i>Dyes and Pigments</i> , 2017 , 138, 90-99	4.6	38
235	CaB_4O_7 : A New Polymorph Synthesized under High-Pressure/High-Temperature Conditions. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2003 , 58, 257-265	1	38
234	High-Pressure Synthesis and Crystal Structure of the Structurally New Orthorhombic Rare-Earth Meta-Oxoborates $\text{RE}(\text{BO}_2)_3$ (RE = La - Nd). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004 , 630, 2450-2457	1.3	38
233	High-pressure syntheses of α - $\text{RE}_2\text{B}_4\text{O}_9$ (RE = Sm, Ho), with a structure type displaying edge-sharing BO_4 tetrahedra. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005 , 61, i29-31		38
232	$\text{La}(\text{BO}_2)_3$ (LaB_3O_6): A new high-pressure modification of lanthanum meta-oxoborate. <i>Solid State Sciences</i> , 2006 , 8, 821-829	3.4	37
231	High-Pressure Synthesis, Electron Energy-Loss Spectroscopy Investigations, and Single Crystal Structure Determination of a Spinel-Type Gallium Oxonitride $\text{Ga}_{2.79}\text{O}_{2.21}(\text{O}_{3.05}\text{N}_{0.76})$. <i>Chemistry of Materials</i> , 2009 , 21, 2101-2107	9.6	36
230	High-Pressure Synthesis, Crystal Structure, and Properties of the New Orthorhombic Rare-Earth meta-Oxoborates $\text{RE}(\text{BO}_2)_3$ (RE = Dy [Lu]). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2004 , 59, 202-215	1	35
229	Bildung kantenverknüpfter BO_4 -Tetraeder im Hochdruckborat $\text{HP-NiB}_2\text{O}_4$. <i>Angewandte Chemie</i> , 2007 , 119, 9256-9259	3.6	34
228	New High-Pressure Gallium Borate $\text{Ga}_2\text{B}_3\text{O}_7(\text{OH})$ with Photocatalytic Activity. <i>Inorganic Chemistry</i> , 2016 , 55, 676-81	5.1	33
227	Intermediate states on the way to edge-sharing BO_4 tetrahedra in $\text{M}_6\text{B}_2\text{O}_3\cdot 9\text{H}_2\text{O}$ (M=Fe, Co). <i>Chemistry - A European Journal</i> , 2010 , 16, 13659-70	4.8	33
226	The High-Pressure Modification of CePtSn Synthesis, Structure, and Magnetic Properties. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2005 , 60, 821-830	1	33
225	Preparative and structural extension of oxoborate chemistry through high-pressure/high-temperature syntheses. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S1283-S1290	1.8	31

- 224 Multianvil High-Pressure Synthesis And Crystal Structure Of YbBO_3 . *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2001**, 56, 697-703 1 30
- 223 $\text{Ba}_2\text{Nd}_7\text{Si}_{11}\text{N}_{23}$ Ein Nitridosilicat mit zeolithartiger Si-N-Gerätstruktur. *Angewandte Chemie*, **1997**, 109, 2765-2767 3.6 29
- 222 The new high-pressure borate $\text{Co}_7\text{B}_2\text{O}_{42}(\text{OH})_2 \cdot 2\text{H}_2\text{O}$ Formation of edge-sharing BO_4 tetrahedra in a hydrated borate. *Journal of Solid State Chemistry*, **2012**, 185, 1-9 3.3 27
- 221 High-Pressure Synthesis of $\text{Cd}(\text{NH}_4)\text{BO}_3(\text{NH}_3)$ Pioneering the Way to the Substance Class of Ammine Borates. *Angewandte Chemie - International Edition*, **2015**, 54, 6360-3 16.4 27
- 220 Synthesis and Crystal Structure of the High-pressure Iron Borate FeB_2O_4 . *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2009**, 64, 883-890 1 26
- 219 High-Pressure Synthesis, Crystal Structure, And Properties Of $\text{Ce}(\text{Bo}_2)_3$. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2007**, 62, 759-764 1 26
- 218 High-pressure syntheses and characterization of the transition metal borates MB_4O_7 ($\text{M}=\text{Mn}^{2+}$, Ni^{2+} , Cu^{2+}). *Solid State Sciences*, **2008**, 10, 168-176 3.4 25
- 217 Synthesis, Structure, and Properties of the High-Pressure Modification of $\text{CePdSn} \cdot 5\text{K}$ Antiferromagnet. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2007**, 633, 77-82 1.3 25
- 216 High-Pressure Synthesis of a Gallium Oxonitride with a Spinel-Type Structure. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2005**, 60, 831-836 1 25
- 215 High-Pressure Synthesis and Crystal Structure of the New Orthorhombic Polymorph HgB_4O_7 . *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2005**, 60, 815-820 1 25
- 214 $\text{HP-CsB}_5\text{O}_8$: synthesis and characterization of an outstanding borate exhibiting the simultaneous linkage of all structural units of borates. *Chemistry - A European Journal*, **2014**, 20, 17059-67 4.8 24
- 213 Synthesis and optical properties of new highly NIR reflective inorganic pigments $\text{RE}_6\text{Mo}_2\text{O}_{15}$ ($\text{RE}=\text{Tb}$, Dy , Ho , Er). *Dyes and Pigments*, **2017**, 140, 22-28 4.6 23
- 212 Mo B O -Connecting Borate and Metal-Cluster Chemistry. *Angewandte Chemie - International Edition*, **2017**, 56, 6449-6453 16.4 23
- 211 HF-Free Synthesis of LiSiF:Mn : A Red-Emitting Phosphor. *Inorganic Chemistry*, **2019**, 58, 5518-5523 5.1 23
- 210 Synthesis and Crystal Structure of the High-pressure Cobalt Borate $\text{HP-CoB}_2\text{O}_4$. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2010**, 65, 1311-1317 1 23
- 209 High-pressure Synthesis, Crystal Structure, and Properties of the First Ternary Zirconium Borate ZrB_2O_5 . *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2008**, 63, 707-712 1 23
- 208 Synthesis and Characterization of the First Tin Fluoride Borate $\text{Sn}[\text{B}_2\text{O}_4]\text{F}$ with Second Harmonic Generation Response. *Chemistry - A European Journal*, **2018**, 24, 16036-16043 4.8 22
- 207 Hydrothermal synthesis and characterization of the first mixed alkali borate-nitrate $\text{K}_3\text{Na}[\text{B}_6\text{O}_9(\text{OH})_3]\text{NO}_3$. *Journal of Solid State Chemistry*, **2015**, 221, 66-72 3.3 21

206	High-pressure synthesis and crystal structure of the lithium borate HP-LiB ₃ O ₅ . <i>Journal of Solid State Chemistry</i> , 2011 , 184, 2490-2497	3.3	21
205	High-pressure synthesis, crystal structure, and structural relationship of the first ytterbium fluoride borate Yb ₅ (BO ₃) ₂ F ₉ . <i>Journal of Solid State Chemistry</i> , 2009 , 182, 888-895	3.3	21
204	Eine neue nicht-zentrosymmetrische Modifikation von BiB ₃ O ₆ . <i>Angewandte Chemie</i> , 2006 , 118, 8419-8423	3.6	21
203	Cu[B(SO ₄) ₂] and Cu[B(SO ₄) ₂](HSO ₄) ₂ -Two Silicate Analogue Borosulfates Differing in their Dimensionality: A Comparative Study of Stability and Acidity. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9548-9552	16.4	20
202	The crystal structure of ErBO ₃ : New single-crystal data for an old problem. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 149-153	3.3	20
201	High-pressure synthesis, crystal structure, and properties of the first ternary hafniumborate HfB ₂ O ₅ . <i>Journal of Solid State Chemistry</i> , 2007 , 180, 742-748	3.3	20
200	Pr ₄ B ₁₀ O ₂₁ : A new composition of rare-earth borates by high-pressure/high-temperature synthesis. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 1595-1600	3.3	20
199	RE[B(SO ₄) ₂] (RE = Y, La-Nd, Sm, Eu, Tb-Lu): a silicate-analogous host structure with weak coordination behaviour. <i>Dalton Transactions</i> , 2019 , 48, 4387-4397	4.3	19
198	High-pressure Synthesis and Characterization of the Alkali Metal Borate HP-RbB ₃ O ₅ . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2012 , 67, 1197-1204	1	19
197	CaB ₂ SO ₄ : A Borosulfate Exhibiting a New Structure Type with Phyllosilicate Analogue Topology. <i>Chemistry - A European Journal</i> , 2017 , 23, 16773-16781	4.8	18
196	Borosulfates-Synthesis and Structural Chemistry of Silicate Analogue Compounds. <i>Chemistry - A European Journal</i> , 2020 , 26, 7966-7980	4.8	18
195	The High-Pressure Borate HP-(NH ₄)B ₃ O ₅ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 2753-2758	1.3	18
194	The Indium Borate InBO(OH) with T ₂ Supertetrahedra. <i>Inorganic Chemistry</i> , 2016 , 55, 11473-11478	5.1	18
193	Synthesis and Characterization of the High-Pressure Nickel Borate NiBO. <i>Inorganic Chemistry</i> , 2017 , 56, 4217-4228	5.1	17
192	Exploration into the Syntheses of Gallium- and Indiumborates under Extreme Conditions: M ₂ B ₂ O ₇ (OH): Structure, Luminescence, and Surprising Photocatalytic Properties. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11451-11455	16.4	17
191	High-pressure synthesis and characterization of the alkaline earth borate BaB ₄ O ₇ . <i>Solid State Sciences</i> , 2009 , 11, 336-342	3.4	17
190	High-Pressure Syntheses, Crystal Structures, And Thermal Behaviour Of Re(BO ₂) ₃ (Re = Nd, Sm, Gd). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2007 , 62, 765-770	1	17
189	High-pressure synthesis of the new rare-earth oxoborate beta-Gd ₂ B ₄ O ₉ . <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005 , 61, i23-4		17

- 188 Novel Photoactive Spirooxazine Based Switch@MOF Composite Materials. *ChemPhotoChem*, **2020**, 4, 195-206 3.3 17
- 187 RbKLi₂[Li₃SiO₄]₄:Eu²⁺ an ultra narrow-band phosphor. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2019**, 74, 535-546 1 16
- 186 Experimental determinations and quantum-chemical calculations of the vibrational spectra of ZnB_4O_7 and CaB_4O_7 . *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2013**, 116, 408-17 4.4 16
- 185 Oxonium ions substituting cesium ions in the structure of the new high-pressure borate HP-Cs(1-x)(H(3)O)(x)B(3)O(5) (x=0.5-0.7). *Chemistry - A European Journal*, **2014**, 20, 4316-23 4.8 16
- 184 Synthesis and crystal structure of the new high-pressure phase CdB_2O_4 . *Chemistry - A European Journal*, **2008**, 14, 6149-54 4.8 16
- 183 Materials Chemistry under High Pressures – Some Recent Aspects. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2006**, 61, 1457-1470 1 16
- 182 Ag[B(SO₄)₂] – Synthesis, Crystal Structure, and Characterization of the First Precious-Metal Borosulfate. *European Journal of Inorganic Chemistry*, **2017**, 2017, 3981-3989 2.3 15
- 181 Solution combustion synthesis of CeFeO_3 under ambient atmosphere. *Ceramics International*, **2016**, 42, 4262-4267 5.1 15
- 180 Ca₃Sm₃[Si₉N₁₇] and Ca₃Yb₃[Si₉N₁₇] nitridosilicates with interpenetrating nets that consist of star-shaped [N₄(SiN₃)₄] units and [Si₅N₁₆] supertetrahedra. *Chemistry - A European Journal*, **2012**, 18, 10857-64 4.8 15
- 179 Multianvil high-pressure/high-temperature preparation, crystal structure, and properties of the new oxoborates Dy₄B₆O₁₄(OH)₂ and Ho₄B₆O₁₄(OH)₂. *Journal of Solid State Chemistry*, **2004**, 177, 3700-3708 3.3 14
- 178 $\text{Ce}(\text{BO}_2)_3$: Ein Neues Hochdruckpolymorph in der Reihe der Seltenerd-meta-oxoborate. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2004**, 630, 1717-1717 1.3 14
- 177 The High-pressure Thallium Triborate HP-TlB₃O₅. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2014**, 69, 1260-1268 1 13
- 176 High-pressure Synthesis and Crystal Structure of the Borate Sc₃B₅O₁₂. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2009**, 64, 1339-1344 1 13
- 175 Hydrothermal synthesis and characterization of the lutetium borate hydrate Lu₂B₂O₅(NO₃)₂·2H₂O. *Journal of Solid State Chemistry*, **2016**, 233, 329-334 3.3 12
- 174 Environmentally benign inorganic red pigments based on tetragonal Bi_2O_3 . *Dyes and Pigments*, **2019**, 160, 9-15 4.6 12
- 173 HF-Free Solid-State Synthesis of the Oxyfluoride Phosphor K₃MoOF₇:Mn⁴⁺. *European Journal of Inorganic Chemistry*, **2019**, 2019, 3383-3388 2.3 12
- 172 Synthesis and characterization of the new strontium borogermanate Sr(3-x/2)B(2-x)Ge(4+x)O₁₄ (x = 0.32). *Inorganic Chemistry*, **2014**, 53, 9722-8 5.1 12
- 171 The New High-Pressure Sodium Tetraborate HP-Na₂B₄O₇. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2012**, 638, 81-87 1.3 12

170	High-Pressure Syntheses, Crystal Structures, and Properties of the Transition Metal Borates MB_4O_7 (M = Fe, Co) <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009 , 635, 2002-2008	1.3	12
169	High-pressure synthesis and crystal structure of the mixed-valent titanium borate $\text{Ti}_5\text{B}_{12}\text{O}_{26}$. <i>Journal of Solid State Chemistry</i> , 2009 , 182, 484-490	3.3	12
168	High-pressure synthesis of nu-DyBO_3 . <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2004 , 60, i117-i119		12
167	Synthetic Access to Cubic Rare Earth Molybdenum Oxides $\text{RE}_6\text{MoO}_{12}$ (RE = Tm, Lu) Representing a New Class of Ion Conductors. <i>Chemistry of Materials</i> , 2016 , 28, 7487-7495	9.6	12
166	$\text{Cu}[\text{B}_2(\text{SO}_4)_4]$ und $\text{Cu}[\text{B}(\text{SO}_4)_2(\text{HSO}_4)]$ \AA zwei silicatanaloge Borosulfate unterschiedlicher Dimensionalit \AA t. Vergleich von Stabilit \AA t und Azidit \AA t. <i>Angewandte Chemie</i> , 2018 , 130, 9693-9697	3.6	12
165	$\text{La B O}(\text{OH})$: The First Acentric High-Pressure Borate Displaying Edge-Sharing BO Tetrahedra. <i>Chemistry - A European Journal</i> , 2020 , 26, 6851-6861	4.8	11
164	Synthesis and Crystal Structure of the Acentric Indium Borate $\text{InBO}(\text{OH})$. <i>Inorganic Chemistry</i> , 2018 , 57, 5554-5559	5.1	11
163	High-pressure synthesis and characterization of new actinide borates, AnB_4O_8 (An=Th, U). <i>Chemistry - A European Journal</i> , 2013 , 19, 15985-92	4.8	11
162	High-pressure Syntheses and Crystal Structures of Monoclinic $\text{B-Ho}_2\text{O}_3$ and Orthorhombic HoGaO_3 . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2009 , 64, 1032-1040	1	11
161	Synthesis and Crystal Structure of the Praseodymium Orthoborate $\text{\AA}Pr\text{BO}_3$. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2010 , 65, 1206-1212	1	11
160	$\text{Gd}_4\text{B}_4\text{O}_{11}\text{F}_2$: Synthesis and crystal structure of a rare-earth fluoride borate exhibiting a new fundamental building block in borate chemistry. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 471-478	3.3	11
159	Synthesis and crystal structure of the high-pressure iron borate $\text{\AA}Fe\text{B}_2\text{O}_4$. <i>Journal of Solid State Chemistry</i> , 2008 , 181, 2092-2098	3.3	11
158	Multianvil high-pressure/high-temperature synthesis, crystal structure, and thermal behaviour of the rare-earth borogermanate $\text{Ce}_6(\text{BO}_4)_2\text{Ge}_9\text{O}_{22}$. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 370-377	3.3	11
157	Alkalilithosilikate: Renaissance einer reputablen Substanzklasse mit Berraschenden Lumineszenzeigenschaften. <i>Angewandte Chemie</i> , 2018 , 130, 13865-13869	3.6	10
156	Hochdrucksynthese von $\text{Cd}(\text{NH}_3)_2[\text{B}_3\text{O}_5(\text{NH}_3)]_2$: ein grundlegender Weg in die Substanzklasse der Amminborate. <i>Angewandte Chemie</i> , 2015 , 127, 6458-6461	3.6	10
155	A new structure type of $\text{RE}_4\text{B}_4\text{O}_{11}\text{F}_2$: High-pressure synthesis and crystal structure of $\text{La}_4\text{B}_4\text{O}_{11}\text{F}_2$. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 1970-1979	3.3	10
154	Synthesis of $\text{Er}_5(\text{BO}_3)_2\text{F}_9$ and Properties of $\text{RE}_5(\text{BO}_3)_2\text{F}_9$ (RE = Er, Yb) <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 1326-1332	1.3	10
153	A Double-Band Emitter with Ultranarrow-Band Blue and Narrow-Band Green Luminescence. <i>Chemistry - A European Journal</i> , 2020 , 26, 2204-2210	4.8	10

152	SrAlLiON:Eu (0.12 0.66)-Tunable Luminescence in an Oxonitride Phosphor. <i>Inorganic Chemistry</i> , 2019 , 58, 12146-12151	5.1	9
151	Synthesis and Characterization of the Tin Iodide Borate Sn[BO]I. <i>Inorganic Chemistry</i> , 2019 , 58, 6088-6094	4.1	9
150	Synthesis and Characterization of the First Lead(II) Borosulfate Pb[B ₂ (SO ₄) ₄]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 1702-1706	1.3	9
149	Structure Elucidation and Characterization of the High-Pressure Nickel Borate Hydroxide NiB ₃ O ₅ (OH). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 1344-1350	1.3	9
148	High temperature stable bismuth vanadate composite pigments via vanadyl-exchanged zeolite precursors. <i>Dyes and Pigments</i> , 2017 , 147, 106-112	4.6	9
147	Synthesis, Structure and Properties of the High-pressure Modifications of the Ternary Compounds REPtSn (RE = La, Pr, Sm). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2006 , 61, 1477-1484	1	9
146	High-Pressure Synthesis of IrB and Determination of the Compressibility of Various Iridium Borides. <i>Inorganic Chemistry</i> , 2018 , 57, 10341-10351	5.1	8
145	The High-Pressure Oxide Tb ₂ O ₃ and its Non-Centrosymmetric Low-Temperature Polymorph-A Comprehensive Study. <i>Chemistry - A European Journal</i> , 2018 , 24, 15236-15245	4.8	8
144	K ₃ WOF ₇ :Mn ⁴⁺ - A red oxyfluoride phosphor. <i>Journal of Fluorine Chemistry</i> , 2019 , 226, 109356	2.1	8
143	High-pressure synthesis and crystal structure of Y ₂ B ₄ O ₉ . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2017 , 72, 977-982	1	8
142	Effects of gigapascal level pressure on protein structure and function. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 1100-10	3.4	8
141	High-Pressure Synthesis and Characterization of the Actinide Borate Phosphate U[BO][PO]. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5247-5252	2.3	8
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