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List of Publications by Year
in descending order

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203 papers	4,175 citations	172457 29 h-index	155660 55 g-index
240 all docs	240 docs citations	240 times ranked	4687 citing authors

#	Article	IF	Citations
1	Origin of Morphology Change and Effect of Crystallization Time and Si/Al Ratio during Synthesis of Zeolite ZSMâ€5. ChemCatChem, 2022, 14, .	3.7	14
2	Tuning the electronic structure of the trichloride honeycomb lattice by transition metal substitution. Physical Review Materials, 2022, 6, .	2.4	3
3	Coexistence of Tellurium Cations and Anions in Phosphoniumâ€Based Ionic Liquids. Chemistry - A European Journal, 2022, 28, .	3.3	6
4	Diluting a triangular-lattice spin liquid: Synthesis and characterization of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NaYb</mml:mi><mml:mrow><mml:mn>1</r mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> single crystals. Physical Review Materials, 2022, 6, .	2.4	5
5	One-pot synthesis of brewer's spent grain-supported superabsorbent polymer for highly efficient uranium adsorption from wastewater. Environmental Research, 2022, 212, 113333.	7.5	10
6	LaTe_{1.9}: a tenfold superstructure of the ZrSSi type. Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 559-562.	0.5	1
7	Crystal structure of potassium orthoselenate(IV), K₂SeO₃. Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 615-618.	0.5	2
8	Synthesis, crystal structures and luminescent properties of three layered zinc complexes: Zn(1,10-phen) I2 (mÂ=Â1, 2) and Zn2(1,10-phen)2C2O4Br2 (phenÂ=Âphenanthroline). Journal of Molecular Structure, 2022, 1265, 133489.	3.6	2
9	NaTePO5, SrTeP2O8 and Ba2TeP2O9: Three tellurite-phosphates with large birefringence. Journal of Alloys and Compounds, 2021, 854, 157243.	5.5	12
10	The Polymorphic Nature of M 3 BiBr 6 Halides (M =Cs, Rb) and their Reversible Intercalation with Water to Isomorphous Hydrates at Room Temperature. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 478-484.	1.2	1
11	Freestanding Nanolayers of a Wideâ€Gap Topological Insulator through Liquidâ€Phase Exfoliation. Chemistry - A European Journal, 2021, 27, 794-801.	3.3	5
12	Low Temperature Activation of Tellurium and Resourceâ€Efficient Synthesis of AuTe₂ and Ag₂Te in Ionic Liquids. ChemistryOpen, 2021, 10, 117-124.	1.9	8
13	Synergistic lanthanide extraction triggered by self-assembly of heterodinuclear Zn(II)/Ln(III) Schiff base/carboxylic acid complexes. Solvent Extraction and Ion Exchange, 2021, 39, 545-572.	2.0	0
14	Freestanding few-layer sheets of a dual topological insulator. Npj 2D Materials and Applications, 2021, 5, .	7.9	4
15	Hydrothermal Synthesis, Crystal Structure, and Magnetism of Na₂[Ir(OH)₆] and its Dehydration to Na₂IrO₃. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 667-672.	1.2	4
16	Atypical transport for GdTe1.8 upon substitution with Se: Strong electron-phonon coupling in polaronic conduction. Scripta Materialia, 2021, 194, 113691.	5.2	0
17	Crystal Growth of a New 8H Perovskite Sr₈Os_{6.3}O₂₄ Exhibiting High T_C Ferromagnetism. Crystal Growth and Design, 2021, 21, 2459-2464.	3.0	3
18	Heavy-Atom Antiferromagnet GdBiTe: An Interplay of Magnetism and Topology in a Symmetry-Protected Topological Semimetal. Chemistry of Materials, 2021, 33, 2420-2435.	6.7	5

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19	Ba 3 [Rh(OH) 6] 2 â€‰â‹…â€‰H 2 O â€“ a Precursor to Barium Oxorhodates with Oneâ€dimensional Hydrogen Bonding Systems. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1702-1708.	1.2	4
20	Peptization Control of Aluminum Chlorideâ€Containing Composites for Catalysts with Active Matrix. Chemical Engineering and Technology, 2021, 44, 1051-1057.	1.5	2
21	Synthesis, Crystal Structures, and Thermal Analyses of Two New Antimony Tellurite Sulfates: [Sb₂(TeO₄)](SO₄) and [Sb₂(TeO₃)₂](SO₄). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1269-1276.	1.2	4
22	Yb delafossites: Unique exchange frustration of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>4</mml:mn><mml:mi>f</mml:mi></mml:math> spin- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mfrac><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml moments on a perfect triangular lattice. Physical Review B, 2021, 103, .	3.2	23
23	A2(TeO)P2O7 (Aâ€=â€K, Rb, Cs): Three new tellurite-pyrophosphates with large birefringence. Journal of Alloys and Compounds, 2021, 865, 158785.	5.5	11
24	Recycling of Brewerâ€™s Spent Grain as a Biosorbent by Nitro-Oxidation for Uranyl Ion Removal from Wastewater. ACS Omega, 2021, 6, 19364-19377.	3.5	9
25	Inorganic Synthesis Based on Reactions of Ionic Liquids and Deep Eutectic Solvents. Angewandte Chemie - International Edition, 2021, 60, 22148-22165.	13.8	107
26	Structural Variations and Bonding Analysis of the Rare-Earth Metal Tellurides RETe_{1.875Â±Î´} (RE = Ce, Pr, Sm, Gd; 0.004 â‰ Î´â‰ 0.025). Inorganic Chemistry, 2021, 60, 11231-11241.	4.6	5
27	Ionische FlÃ¼ssigkeiten und stark eutektische LÃ¶sungsmittel in der anorganischen Synthese. Angewandte Chemie, 2021, 133, 22320-22338.	2.0	4
28	Stripe-yz magnetic order in the triangular-lattice antiferromagnet KCeS₂. Journal of Physics Condensed Matter, 2021, 33, 425802.	1.8	7
29	Potassium Ion Conductivity in the Cubic Labyrinth of a Piezoelectric, Antiferromagnetic Oxoferrate(III) Tellurate(VI). Chemistry - A European Journal, 2021, 27, 14299-14306.	3.3	9
30	Tunable Potassium Ion Conductivity and Magnetism in Substituted Layered Ferrates. European Journal of Inorganic Chemistry, 2021, 2021, 364-376.	2.0	9
31	Ferromagnetic and ferroelectric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>5</mml:mn><mml:msup><mml:mi>d</mml:mi><mml: insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mn>5</mml:mn></mml: Physical Review Materials, 2021, 5, .	2.4	0
32	Formation of Bi₂Ir nanoparticles in a microwave-assisted polyol process revealing the suboxide Bi₄Ir₂O. Dalton Transactions, 2021, 50, 17665-17674.	3.3	7
33	The Waterâ€Rich Iodidobismuthate (H 3 O)Rb 3 BiI 7 Â·4H 2 O. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 609-613.	1.2	1
34	Synthesis, spectral analysis, crystal structure, Hirshfeld surface analyses, thermal behavior of two new nickel complexes and usage as precursor for preparation of Ni/NiO nanoparticles. Polyhedron, 2020, 176, 114287.	2.2	10
35	Synthesis of (Li2Fe1â€“yMny)SO Antiperovskites with Comprehensive Investigations of (Li2Fe0.5Mn0.5)SO as Cathode in Li-ion Batteries. Inorganic Chemistry, 2020, 59, 15626-15635.	4.0	10
36	CaNa[Cr(OH)₆] â€“ A Layered Hydroxochromate(III) with Ordered Brucite Structure and its Thermal Decomposition. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1130-1137.	1.2	9

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37	Mechanism of Biâ^'Ni Phase Formation in a Microwaveâ€Assisted Polyol Process. ChemistryOpen, 2020, 9, 1085-1094.	1.9	8
38	Synthesis, Crystal Structures, Spectroscopic Characterization, and Thermal Analyses of the New Bismuth Sulfates NaBi(SO 4) 2 Â·H 2 O and ABi(SO 4) 2 (A = K, Rb, Cs). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1688-1695.	1.2	5
39	Mechanism of Biâ^'Ni Phase Formation in a Microwaveâ€Assisted Polyol Process. ChemistryOpen, 2020, 9, 1084-1084.	1.9	0
40	Hydroflux Synthesis and Characterization of the Nonâ€Centrosymmetric Oxomanganate(V) KSrMnO 4. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1389-1395.	1.2	10
41	Transport Properties of GdTe 1.8â€“ x As x (x = 0, 0.04). European Journal of Inorganic Chemistry, 2020, 2020, 2424-2427.	2.0	1
42	The Weak 3D Topological Insulator Bi₁₂Rh₃Sn₃I₉. Chemistry - A European Journal, 2020, 26, 15549-15557.	3.3	3
43	One-pot resource-efficient synthesis of SnSb powders for composite anodes in sodium-ion batteries. RSC Advances, 2020, 10, 22250-22256.	3.6	8
44	The Hydrogarnets Sr 3 [RE (OH) 6] 2 (RE = Sc, Y, Ho â€“ Lu): Syntheses, Crystal Structures, and their Thermal Decomposition to Ternary Rareâ€Earth Metal Oxides. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1517-1524.	1.2	10
45	Synthesis, Crystal Structures, and Properties of (4,4'â€Hbipy)₂[Sn₂(C₂O₄)₃] and (4,4'â€H_mbipy)[SnX₂] (X =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 417 Td (C₂O<	1.2	2
46	Effective Spin-1/2 Moments on a Yb3+ Triangular Lattice: An ESR Study. , 2020, , .		11
47	Extended hydrogen network in the structures of Na6M(SO4)4Â·2H2O (M = Fe, Co, Ni): Synthesis, crystal structures, spectroscopic and magnetic properties. Solid State Sciences, 2020, 101, 106116.	3.2	4
48	Facile synthesis of tellurium nano- and microstructures by trace HCl in ionic liquids. Dalton Transactions, 2020, 49, 1891-1896.	3.3	9
49	Some novel hexaâ€coordinated cadmium Schiff base complexes: Xâ€ray structure, Hirshfeld surface analysis, antimicrobial and thermal analysis. Applied Organometallic Chemistry, 2020, 34, e5550.	3.5	15
50	Syntheses, Crystal Structure and Magnetic Properties of Tl9RETe6 (RE = Ce, Sm, Gd). Crystals, 2020, 10, 277.	2.2	3
51	Magnetic Properties of an Effective Spin-(rac{1}{2}) Triangular-Lattice Compound LiYbS₂. , 2020, , .		2
52	Crystal Growth of Spin-frustrated Ba₄Nb_{0.8}Ir_{3.2}O₁₂: A Possible Spin Liquid Material. Crystal Growth and Design, 2020, 20, 2871-2876.	3.0	5
53	On the importance of Ï€-hole spodium bonding in tricoordinated Hg^{II}complexes. Dalton Transactions, 2020, 49, 17547-17551.	3.3	25
54	Mild hydrothermally treated brewer's spent grain for efficient removal of uranyl and rare earth metal ions. RSC Advances, 2020, 10, 45116-45129.	3.6	11

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55	High-field thermal transport properties of the Kitaev quantum magnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â€”</mml:mtext><mml:mi>Ru</mml:mi></mml:mrow></mml:math> : Evidence for low-energy excitations beyond the critical field. Physical Review B, 2020, 102, .	3.2	18
56	Electron spin resonance and ferromagnetic resonance spectroscopy in the high-field phase of the van der Waals magnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CrCl</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> Physical Review Materials, 2020, 4, .	2.4	24
57	LaTe_{1.82(1)}: modulated crystal structure and chemical bonding of a chalcogen-deficient rare earth metal polytelluride. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 530-540.	0.5	5
58	Hydroflux synthesis and crystal structure of Tl₃IO. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 1638-1640.	0.5	12
59	The crystal structures of Î±-Rb₇Sb₃Br₁₆, Î±- and Î²-Tl₇Bi₃Br₁₆ and their relationship to close packings of spheres. Zeitschrift Fur Kristallographie - Crystalline Materials, 2020, 235, 255-261.	0.8	3
60	Hydroflux syntheses and crystal structures of hydrogarnets Ba3[RE(OH)6]2 (REÂ=ÂSc, Y, Hoâ€“Lu). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2020, 75, 951-957.	0.7	8
61	Long-range magnetic order in the ${ilde S}=1/2$ triangular lattice antiferromagnet KCeS$_2$. SciPost Physics, 2020, 9, .	4.9	16
62	Low-temperature enhancement of ferromagnetic Kitaev correlations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>â€²</mml:mo><mml:mi>Ru</mml:mi></mml:mrow></mml:math> Physical Review Materials, 2020, 4, .	2.4	10
63	Distorted Te nets in the modulated crystal structures ofRETe_{1.94(1)}(RE= La,) Tj ETQq1 1 0.784314 rgBT /Ove 76, 1092-1099.	1.1	2
64	Tin and Lead Alkoxides of Ethylene Glycol and Glycerol and their Decomposition to Oxide Materials. European Journal of Inorganic Chemistry, 2019, 2019, 3820-3831.	2.0	10
65	Na2Bi5AuO11 revisited. Materials Research Bulletin, 2019, 119, 110534.	5.2	0
66	Low-Temperature Ordering in the Cluster Compound (Bi8)Tl[AlCl4]3. Inorganics, 2019, 7, 45.	2.7	7
67	Oxoâ€Hydroxoferrate K_{2â€“x}Fe₄O_{7â€“x}(OH)_x: Hydroflux Synthesis, Chemical and Thermal Instability, Crystal and Magnetic Structures. ChemistryOpen, 2019, 8, 74-83.	1.9	16
68	Low-Temperature Ionothermal Synthesis of Li-Ion Conductive Li₄B₇O₁₂Cl Solid-State Electrolyte. ACS Applied Energy Materials, 2019, 2, 5140-5145.	5.1	19
69	Spin-glass state and reversed magnetic anisotropy induced by Cr doping in the Kitaev magnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â€”</mml:mtext><mml:msub> Physical Review B, 2019, 99, .	3.2	20
70	Hybrid Inorganicâ€Organic Frameworks: Synthesis and Crystal Structures of RbFe(SO₄)(C₂O₄)_{0.5}Â·H₂O and CsM(SO₄)(C₂O₄)_{0.5}Â·H₂O (M) Tj ETQq0 0 0 rgBT /Ove	1.2	2
71	Detuning the Honeycomb of the Î±-RuCl₃ Kitaev Lattice: A Case of Cr³⁺ Dopant. Inorganic Chemistry, 2019, 58, 6659-6668.	4.0	12
72	A photosensor based on lead-free perovskite-like methyl-ammonium bismuth iodide. Sensors and Actuators A: Physical, 2019, 291, 75-79.	4.1	13

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73	Large thermal Hall effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub> : Evidence for heat transport by Kitaev-Heisenberg paramagnons. Physical Review B, 2019, 99, .	3.2	61
74	Chemical Aspects of the Candidate Antiferromagnetic Topological Insulator MnBi₂Te₄. Chemistry of Materials, 2019, 31, 2795-2806.	6.7	203
75	Hydrothermal Synthesis, Crystal Structure Determination, and Magnetic Properties of a New Calcium Iron Iridium Hydrogarnet Ca₃(Ir_{2â€“x}Fe_x)(FeO₄)_{2â€“x}(O₄H₄)<sub> with 0 â‰¤ x â‰¤ 1. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 631-637.	1.2	3
76	Synthesis, spectral and structure analysis of mono and binuclear cadmium and mercury complexes. Polyhedron, 2019, 163, 91-97.	2.2	6
77	Crystal Growth and Structure Determination of Pigment Orange 82. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 564-569.	1.2	2
78	Syntheses, Crystal Structures and Physical Properties of Chromium and Rhodium Hydrogarnets Ca₃[Cr(OH)₆]₂, Sr₃[Cr(OH)₆]₂ and Sr₃[Rh(OH)₆]₂. European Journal of Inorganic Chemistry, 2019, 2019, 1398-1405.	2.0	13
79	Electron spin resonance on the spin-1/2 triangular magnet NaYbS2. Journal of Physics Condensed Matter, 2019, 31, 205601.	1.8	30
80	Antiferromagnetic Alkali Metal Oxohydroxoferrates(III) with Correlated Hydrogen Bonding Systems. ChemistryOpen, 2019, 8, 1399-1406.	1.9	16
81	Quantum spin liquid ground state in the disorder free triangular lattice <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NaYbS</mml:mi><mml:mn>2</mml:mn></mml:msub> Physical Review B, 2019, 100, .	3.2	66
82	Anisotropic field-induced ordering in the triangular-lattice quantum spin liquid <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">NaYbSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2019, 100, .	3.2	92
83	Modulated vacancy ordering in SrGe_{6â^'} _x (xâ‰ˆ0.45). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2019, 74, 137-145.	0.7	3
84	Incommensurately modulated structures in the series RETe2â^Î´. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e387-e387.	0.1	0
85	Many Faces of Ni₃Bi₂S₂: Tunable Nanoparticle Morphology via Microwave-Assisted Nanocrystal Conversion. Crystal Growth and Design, 2018, 18, 2202-2209.	3.0	4
86	Pbâ‹¯X (X = N, S, I) tetrel bonding interactions in Pb(<scp>ii</scp>) complexes: X-ray characterization, Hirshfeld surfaces and DFT calculations. CrystEngComm, 2018, 20, 2812-2821.	2.6	63
87	Bi 2 (IO 3)(IO 6): First combination of [IO 3] â^' and [IO 6] 5â^' anions in three-dimensional framework. Solid State Sciences, 2018, 77, 37-44.	3.2	7
88	Unusual Phonon Heat Transport in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub><mml:mrow><mml:mi>RuCl</mml:mi> : Strong Spin-Phonon Scattering and Field-Induced Spin Gap. Physical Review Letters, 2018, 120, 117204.	7.8	146
89	The Intermetalloid Cluster Cation (CuBi₈)³⁺. Chemistry - A European Journal, 2018, 24, 127-132.	3.3	33
90	The Intermetalloid Cluster Cation (CuBi8)3+. Chemistry - A European Journal, 2018, 24, 5-5.	3.3	1

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91	Signatures of low-energy fractionalized excitations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub from field-dependent microwave absorption. Physical Review B, 2018, 98, .	3.2	40
92	Rare Earth Metal Polytellurides RETe_{1.8} (RE = Gd, Tb, Dy) â€“ Directed Synthesis, Crystal and Electronic Structures, and Bonding Features. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1886-1896.	1.2	12
93	Hydrothermal synthesis and structure determination of a new calcium iron ruthenium hydrogarnet. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2018, 73, 803-811.	0.7	4
94	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NaYbS</mml:mi><mml:mn>2</mml:mn></mml:msub></m : A planar spin- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mfrac><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml triangular-lattice magnet and putative spin liquid. Physical Review B, 2018, 98, .	3.2	119
95	Microwaveâ€assisted Synthesis, Crystal Structures, and Thermal Stability of C₁₁H₁₀N₂Cu₂Br₃ and C₂₂H₂₀N₄Cu₈I₁₀. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1754-1759.	1.2	1
96	Spontaneous Substitutions at Phosphorus Trihalides in Imidazolium Halide Ionic Liquids: Grotthuss Diffusion of Anions?. Chemistry - A European Journal, 2018, 24, 16323-16331.	3.3	8
97	Low-Temperature Tailoring of Copper-Deficient Cu_{3â€“x}Pâ€”Electric Properties, Phase Transitions, and Performance in Lithium-Ion Batteries. Chemistry of Materials, 2018, 30, 7111-7123.	6.7	30
98	On J eff =0 Ground State Iridates(V): Tracking Residual Paramagnetism in New Bi2 NaIrO6. Chemistry - A European Journal, 2018, 24, 16762-16765.	3.3	8
99	Mechanisms of the polyol reduction of copper(<scp>ii</scp>) salts depending on the anion type and diol chain length. Dalton Transactions, 2018, 47, 14085-14093.	3.3	39
100	Understanding the Chemical Reactivity of Phosphoniumâ€Based Ionic Liquids with Tellurium. Chemistry - A European Journal, 2018, 24, 9325-9332.	3.3	16
101	Synthesis, Crystal and Topological Electronic Structures of New Bismuth Tellurohalides Bi₂TeBr and Bi₃TeBr. Chemistry of Materials, 2018, 30, 5272-5284.	6.7	10
102	Detuning the honeycomb of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub><mml:mi : Pressure-dependent optical studies reveal broken symmetry. Physical Review B, 2018, 97, .	3.2	38
103	Pressure-induced dimerization and valence bond crystal formation in the Kitaev-Heisenberg magnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub Physical Review B, 2018, 97, .	3.2	75
104	Modular Design with 2D Topological-Insulator Building Blocks: Optimized Synthesis and Crystal Growth and Crystal and Electronic Structures of Bi_xTeI (x = 2, 3). Chemistry of Materials, 2017, 29, 1321-1337.	6.7	23
105	New Heterodinuclear Zn/Ln (Ln = Gd, Tb, Er, Yb) Complexes of Hexadentate N,Nâ€²-Bis(3-alkoxy-2-hydroxybenzyl)cyclohexane-1,2-diamines: Synthesis and Structure. Australian Journal of Chemistry, 2017, 70, 601.	0.9	3
106	Anion-driven tetrel bond-induced engineering of lead(<scp>ii</scp>) architectures with Nâ€²-(1-(2-pyridyl)ethylidene)nicotinohydrazide: experimental and theoretical findings. Inorganic Chemistry Frontiers, 2017, 4, 171-182.	6.0	44
107	Dissolution behaviour and activation of selenium in phosphonium based ionic liquids. Chemical Communications, 2017, 53, 7588-7591.	4.1	20
108	On the Anion Exchange of PX₃ (X = Cl, Br, I) in Ionic Liquids comprising Halide Anions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 20-24.	1.2	9

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109	Synthesis of Metal Sulfides from a Deep Eutectic Solvent Precursor (DESP). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1913-1919.	1.2	19
110	Solvothermal synthesis and enhanced photo-electrochemical performance of hierarchically structured strontium titanate micro-particles. Dalton Transactions, 2017, 46, 14219-14225.	3.3	13
111	Mechanistic exploration of the copper(<scp>i</scp>) phosphide synthesis in phosphonium-based and phosphorus-free ionic liquids. Dalton Transactions, 2017, 46, 15004-15011.	3.3	13
112	Synthesis of a Cu-Filled Rh₁₇S₁₅ Framework: Microwave Polyol Process Versus High-Temperature Route. Inorganic Chemistry, 2017, 56, 11513-11523.	4.0	3
113	Optimized Synthesis of the Bismuth Subiodides Bi m I4 (m = 4, 14, 16, 18) and the Electronic Properties of Bi14 I4 and Bi18 I4. European Journal of Inorganic Chemistry, 2017, 2017, 5609-5615.	2.0	6
114	Field-induced quantum criticality in the Kitaev system <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>âˆ’</mml:mo><mml:msub><mml:r Physical Review B, 2017, 96, .	3.2	15
115	Nearest-neighbor Kitaev exchange blocked by charge order in electron-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>âˆ’</mml:mo><mml:msub><mml:r Physical Review Materials, 2017, 1, .	2.4	28
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