Robert Dinnebier

List of Publications by Year
in descending order

344	10,881	34105 52	49909 87
papers	citations	h-index	g-index

392	392	392	11691
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the crystal structures of lithium thiocyanate monohydrate LiSCN <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mo linebreak="goodbreak" linebreakstyle="after">â‹…</mml:mo></mml:mrow></mml:math> 1 H2O and the phase diagram LiSCN â€“ H2O. Journal of Physics and Chemistry of Solids, 2022, 160, 110299.	4.0	4
2	Conductivity Mechanism in Ionic 2D Carbon Nitrides: From Hydrated Ion Motion to Enhanced Photocatalysis. Advanced Materials, 2022, 34, e2107061.	21.0	49
3	Static and dynamic components of Debyeâ€“Waller coefficients in the novel cubic polymorph of low-temperature disordered Cu₂ZnSnS₄. IUCrJ, 2022, 9, 272-285.	2.2	5
4	Controlling desolvation through polymer-assisted grinding. CrystEngComm, 2022, 24, 2305-2313.	2.6	3
5	Enhancement of Superionic Conductivity by Halide Substitution in Strongly Stacking Faulted Li₃HoBr_{6â€“x}I_x Phases. Chemistry of Materials, 2022, 34, 3227-3235.	6.7	19
6	Open versus Interpenetrated: Switchable Supramolecular Trajectories in Mechanosynthesis of a Halogen-Bonded Borromean Network. CheM, 2021, 7, 146-154.	11.7	17
7	Synthesis, characterization and thermal behaviour of solid phases in the quasi-ternary system Mg(SCN)2â€“H2Oâ€“THF. Dalton Transactions, 2021, 50, 6949-6961.	3.3	8
8	Tb-based silicate apatites showing slow magnetization relaxation with identical parameters for the Tb³⁺ and Dy³⁺ counter ions. RSC Advances, 2021, 11, 6926-6933.	3.6	7
9	Synthesis and characterisation of two lithium-thiocyanate solvates with tetrahydrofuran: Li[SCN]Â·THF and Li[SCN]Â·2THF. Dalton Transactions, 2021, 50, 12292-12300.	3.3	4
10	Reversible Thermosalience in a One-Dimensional Coordination Polymer Preceded by Anisotropic Thermal Expansion and the Shape Memory Effect. Journal of the American Chemical Society, 2021, 143, 2088-2096.	13.7	49
11	Amine-Linked Covalent Organic Frameworks as a Platform for Postsynthetic Structure Interconversion and Pore-Wall Modification. Journal of the American Chemical Society, 2021, 143, 3430-3438.	13.7	95
12	Multifunctional Properties of a Zn(II) Coordination Complex. Crystal Growth and Design, 2021, 21, 3401-3408.	3.0	8
13	In situ monitoring of mechanochemical covalent organic framework formation reveals templating effect of liquid additive. CheM, 2021, 7, 1639-1652.	11.7	36
14	Na 9 Bi 5 Os 3 O 24 : A Diamagnetic Oxide Featuring a Pronouncedly Jahnâ€“Tellerâ€Compressed Octahedral Coordination of Osmium(VI). Angewandte Chemie - International Edition, 2021, 60, 16500-16505.	13.8	6
15	Na₉Bi₅Os₃O₂₄: A Diamagnetic Oxide Featuring a Pronouncedly Jahnâ€“Tellerâ€Compressed Octahedral Coordination of Osmium(VI). Angewandte Chemie, 2021, 133, 16636-16641.	2.0	0
16	Fast Water-Assisted Lithium Ion Conduction in Restacked Lithium Tin Sulfide Nanosheets. Chemistry of Materials, 2021, 33, 7337-7349.	6.7	5
17	Interlayer Interactions as Design Tool for Large-Pore COFs. Journal of the American Chemical Society, 2021, 143, 15711-15722.	13.7	60
18	Atomic resolution tracking of nerve-agent simulant decomposition and host metalâ€“organic framework response in real space. Communications Chemistry, 2021, 4, .	4.5	8

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19	X-ray powder diffraction in education. Part I. Bragg peak profiles. Journal of Applied Crystallography, 2021, 54, 1811-1831.	4.5	3
20	A previously unknown cyclic alkanolamine and molecular ranking using the pair distribution function. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2021, 77, 986-995.	1.1	1
21	Powder diffraction. Nature Reviews Methods Primers, 2021, 1, .	21.2	17
22	Giant Enhancement of Second Harmonic Generation Accompanied by the Structural Transformation of 7â€Fold to 8â€Fold Interpenetrated Metalâ€“Organic Frameworks (MOFs). Angewandte Chemie - International Edition, 2020, 59, 833-838.	13.8	52
23	Thermodynamically stable and metastable coordination polymers synthesized from solution and the solid state. CrystEngComm, 2020, 22, 184-194.	2.6	7
24	Real-Time in Situ Monitoring of Particle and Structure Evolution in the Mechanochemical Synthesis of UiO-66 Metalâ€“Organic Frameworks. Crystal Growth and Design, 2020, 20, 49-54.	3.0	42
25	Dysprosium magnesium silicate apatite featuring field and temperature stable slow magnetization relaxation. RSC Advances, 2020, 10, 37588-37595.	3.6	3
26	Cross-examining Polyurethane Nanodomain Formation and Internal Structure. Macromolecules, 2020, 53, 9065-9073.	4.8	13
27	Idiosyncratic Ag 7 Pt 2 O 7 : An Electron Imprecise yet Diamagnetic Small Band Gap Oxide. Angewandte Chemie - International Edition, 2020, 59, 19910-19913.	13.8	5
28	Challenging the Ostwald rule of stages in mechanochemical cocrystallisation. Chemical Science, 2020, 11, 10092-10100.	7.4	49
29	Cyclic hexapeptoids with N-alkyl side chains: solid-state assembly and thermal behaviour. CrystEngComm, 2020, 22, 6371-6384.	2.6	6
30	Idiosyncratic Ag 7 Pt 2 O 7 : An Electron Imprecise yet Diamagnetic Small Band Gap Oxide. Angewandte Chemie, 2020, 132, 20082-20085.	2.0	1
31	Monitoring polymer-assisted mechanochemical cocrystallisation through in situ X-ray powder diffraction. Chemical Communications, 2020, 56, 8743-8746.	4.1	15
32	Synthesis, Structures, Thermal and Luminescence Properties of Zn and Cd Halide Coordination Polymers with 2â€Cyanopyrazine. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1046-1054.	1.2	1
33	Crystal Structure, Polymorphism, and Anisotropic Thermal Expansion of Î±-Ca(CH₃COO)₂. Crystal Growth and Design, 2020, 20, 5346-5355.	3.0	7
34	Improving the picture of atomic structure in nonoriented polymer domains using the pair distribution function: A study of polyamide 6. Journal of Polymer Science, 2020, 58, 1843-1866.	3.8	6
35	Structural Variety in Mn(NCS)₂ 4-Cyanopyridine Coordination Compounds: Synthesis, Structures, Isomerism, and Magnetic Properties. Crystal Growth and Design, 2020, 20, 3374-3385.	3.0	5
36	New isomeric Ni(NCS)₂ coordination compounds: crystal structures, magnetic properties as well as ex situ and in situ investigations on their synthesis and transition behaviour. CrystEngComm, 2020, 22, 2350-2360.	2.6	4

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37	Total scattering reveals the hidden stacking disorder in a 2D covalent organic framework. Chemical Science, 2020, 11, 12647-12654.	7.4	80
38	Propyne Gas Adsorption in a Cyclic Hexapeptoid: A Combined In Situ XRPD and DFTB Study**. Chemistry - A European Journal, 2020, 26, 14320-14323.	3.3	6
39	Corrosion of Heritage Objects: Collagenâ€Like Triple Helix Found in the Calcium Acetate Hemihydrate Crystal Structure. Angewandte Chemie - International Edition, 2020, 59, 9438-9442.	13.8	8
40	Korrosion von Kulturgut: Entdeckung einer kollagenartigen Tripelhelix in der Kristallstruktur von Calciumacetatâ€Hemihydrat. Angewandte Chemie, 2020, 132, 9525-9529.	2.0	1
41	Synthesis, Crystal Structures, and Properties of Mn(NCS)₂ Coordination Compounds with 4â€Picoline as Coligand and Crystal Structure of Mn(NCS)₂. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 88-94.	1.2	10
42	In situ monitoring of mechanochemical synthesis of calcium urea phosphate fertilizer cocrystal reveals highly effective water-based autocatalysis. Chemical Science, 2020, 11, 2350-2355.	7.4	40
43	Multiple slow relaxation of magnetization in Dy³⁺ confined in the crystal matrix of rare-earth-calcium silicates with the apatite structure. Dalton Transactions, 2020, 49, 2014-2023.	3.3	11
44	A study of Ca-doped hexaferrite Sr_{1â^'x}Ca_xFe₁₂O₁₉ (x =) Tj ETQq0 0 0 rgBT /Overlo	2.5	10
45	A routine for the determination of the microstructure of stacking-faulted nickel cobalt aluminium hydroxide precursors for lithium nickel cobalt aluminium oxide battery materials. Journal of Applied Crystallography, 2020, 53, 76-87.	4.5	14
46	Extraordinary anisotropic thermal expansion in photosalient crystals. IUCrJ, 2020, 7, 83-89.	2.2	39
47	Structural Insights into Poly(Heptazine Imides): A Light-Storing Carbon Nitride Material for Dark Photocatalysis. Chemistry of Materials, 2019, 31, 7478-7486.	6.7	151
48	Crystal Structure and De- and Rehydration Behavior of Two New Chloride-Containing Zeolitic Imidazolate Frameworks. Crystal Growth and Design, 2019, 19, 4844-4853.	3.0	6
49	On Verdigris, Part III: Crystal Structure, Magnetic and Spectral Properties of Anhydrous Copper(II) Acetate, a Paddle Wheel Chain. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 988-997.	1.2	11
50	Rational Synthesis of Mixed-Metal Microporous Metalâ€“Organic Frameworks with Controlled Composition Using Mechanochemistry. Chemistry of Materials, 2019, 31, 5494-5501.	6.7	96
51	Slow Relaxation of Magnetization in the Cobaltâ€Containing Strontium Hydroxy/Fluoroâ€Apatite. European Journal of Inorganic Chemistry, 2019, 2019, 4677-4681.	2.0	2
52	Application of the maximum-entropy method to powder-diffraction data. , 2019, , 473-488.		1
53	Brass and Glass: Crystal Structure Solution and Phase Characterisation of the Corrosion Product Zn₄Cu₃(Zn₁_{â€“}_xCu_x)₆(HC	2.0	
54	A hydrated crystalline calcium carbonate phase: Calcium carbonate hemihydrate. Science, 2019, 363, 396-400.	12.6	153

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55	Crystal structure and stacking faults in the layered honeycomb, delafossite-type materials Ag₃Lilr₂O₆and Ag₃LiRu₂O₆. Dalton Transactions, 2019, 48, 9250-9259.	3.3	39
56	Brass and Glass: Crystal Structure Solution and Phase Characterisation of the Corrosion Product Zn₄Cu₃(Zn_{1â€“x}Cu_x)₆(HCOO)₈(OH)<sub>18</s European Journal of Inorganic Chemistry, 2019, 2019, 893-893.	2.6	3
57	Controlling the Polymorphism and Topology Transformation in Porphyrinic Zirconium Metalâ€“Organic Frameworks via Mechanochemistry. Journal of the American Chemical Society, 2019, 141, 19214-19220.	13.7	73
58	Characterization and Thermal Behavior of the Iron Dietary Supplement Ferrous Glycine Sulfate Pentahydrate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 1350-1357.	1.2	1
59	Efflorescence on calcareous objects in museums: crystallisation, phase characterisation and crystal structures of calcium acetate formate phases. Dalton Transactions, 2019, 48, 16062-16073.	3.3	6
60	Trimorphism of Zn(NCS)₂(4-dimethylaminopyridine)₂: Crystal Structures, Thermodynamic Relations, and Comparison with the Co(II) Polymorphs. Crystal Growth and Design, 2019, 19, 1134-1143.	3.0	12
61	Synthesis, crystal structure and properties of Cd(NCS)₂ coordination compounds with two different Cd coordination modes. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2019, 74, 49-58.	0.7	6
62	Structural Study and Electrical Properties of Bi1.5â€“xCaxSb1.5CuO7 Pyrochlore-Type Solid Solution Series. Materials Performance and Characterization, 2019, 8, 151-162.	0.3	0
63	Solid state solubility of copper oxides in hydroxyapatite. Journal of Solid State Chemistry, 2018, 262, 38-43.	2.9	16
64	Structures, Thermodynamic Relations, and Magnetism of Stable and Metastable Ni(NCS)₂ Coordination Polymers. Inorganic Chemistry, 2018, 57, 3305-3314.	4.0	45
65	A spinâ€“orbital-entangled quantum liquid on a honeycomb lattice. Nature, 2018, 554, 341-345.	27.8	276
66	Differences in Electrochemistry between Fibrous SPAN and Fibrous S/C Cathodes Relevant to Cycle Stability and Capacity. Journal of the Electrochemical Society, 2018, 165, A6017-A6020.	2.9	32
67	Characterization of a new efflorescence salt on calcareous historic objects stored in wood cabinets: Ca2(CH3COO)(HCOO)(NO3)2Â·4H2O. Corrosion Science, 2018, 132, 68-78.	6.6	12
68	Hybrid Li/S Battery Based on Dimethyl Trisulfide and Sulfurized Poly(acrylonitrile). Advanced Sustainable Systems, 2018, 2, 1700144.	5.3	31
69	Supercritical Carbon Dioxide Enables Rapid, Clean, and Scalable Conversion of a Metal Oxide into Zeolitic Metalâ€“Organic Frameworks. Crystal Growth and Design, 2018, 18, 3222-3228.	3.0	36
70	Ultrahigh Damping Capacities in Lightweight Structural Materials. Nano Letters, 2018, 18, 2519-2524.	9.1	27
71	Caâ€“Al double-substituted strontium hexaferrites with giant coercivity. Chemical Communications, 2018, 54, 479-482.	4.1	79
72	When Glass and Metal Corrode Together, V: Sodium Copper Formate. Studies in Conservation, 2018, 63, 342-355.	1.1	13

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73	Structure-Directing Lone Pairs: Synthesis and Structural Characterization of SnTiO₃. Chemistry of Materials, 2018, 30, 8932-8938.	6.7	27
74	Na₂Ir^{IV}Cl₆: Spinâ€“Orbital-Induced Semiconductor Showing Hydration-Dependent Structural and Magnetic Variations. Inorganic Chemistry, 2018, 57, 13252-13258.	4.0	15
75	Green and rapid mechanosynthesis of high-porosity NU- and UiO-type metalâ€“organic frameworks. Chemical Communications, 2018, 54, 6999-7002.	4.1	63
76	On verdigris, part II: synthesis of the 2-1-5 phase, Cu₃(CH₃COO)₄(OH)₂·5H₂O, by long-term crystallisation from aqueous solution at room temperature. Dalton Transactions, 2018, 47, 8209-8220.	3.3	14
77	xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>A</mml:mi></mml:math> -site-ordered perovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>BiC</mml:mi><mml:msub><mml:mi mathvariant="normal">u</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi	3.2	8
78	About the air- and water-stable copper(I) dicyanamide: synthesis, crystal structure, vibrational spectra and DSC/TG analysis of Cu[N(CN)₂]. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 159-165.	0.7	8
79	Variability of composition and structural disorder of nanocrystalline CoOOH materials. Journal of Materials Chemistry C, 2017, 5, 2899-2909.	5.5	15
80	Cuttlebone-like V2O5 Nanofibre Scaffolds â€“ Advances in Structuring Cellular Solids. Scientific Reports, 2017, 7, 42951.	3.3	16
81	Easily Accessible, Textile Fiber-Based Sulfurized Poly(acrylonitrile) as Li/S Cathode Material: Correlating Electrochemical Performance with Morphology and Structure. ACS Energy Letters, 2017, 2, 595-604.	17.4	116
82	Tuning the stacking behaviour of a 2D covalent organic framework through non-covalent interactions. Materials Chemistry Frontiers, 2017, 1, 1354-1361.	5.9	95
83	Phase Formation and Solubilities in the Ternary System Ni(OH)₂â€“NiCl₂â€“H₂O at 25 and 200 °C. European Journal of Inorganic Chemistry, 2017, 2017, 1488-1497.	2.0	5
84	A Co-based single-molecule magnet confined in a barium phosphate apatite matrix with a high energy barrier for magnetization relaxation. Chemical Communications, 2017, 53, 5416-5419.	4.1	27
85	Revealing the Initial Reaction Behavior in the Continuous Synthesis of Metalâ€“Organic Frameworks Using Real-Time Synchrotron X-ray Analysis. Inorganic Chemistry, 2017, 56, 5489-5492.	4.0	12
86	Structural and Magnetic Properties of the Trirutile-type 1D-Heisenberg Anti-Ferromagnet CuTa₂O₆. Inorganic Chemistry, 2017, 56, 6318-6329.	4.0	13
87	Glass-Induced Lead Corrosion of Heritage Objects: Structural Characterization of K(OH)·2PbCO₃. Inorganic Chemistry, 2017, 56, 5762-5770.	4.0	15
88	Thermal Transformation of a Zero-Dimensional Thiocyanate Precursor into a Ferromagnetic Three-Dimensional Coordination Network via a Layered Intermediate. Crystal Growth and Design, 2017, 17, 3997-4005.	3.0	31
89	Acoustic Emission from Organic Martensites. Angewandte Chemie - International Edition, 2017, 56, 8104-8109.	13.8	16
90	CdX₂ Coordination Polymers with 2â€Chloropyrazine and 2â€Methylpyrazine: Similar Ligands â€“ Similar Structures â€“ Different Reactivity. European Journal of Inorganic Chemistry, 2017, 2017, 1245-1255.	2.0	14

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91	Solution of the heavily stacking faulted crystal structure of the honeycomb iridate H₃LiIr₂O₆. Dalton Transactions, 2017, 46, 15216-15227.	3.3	57
92	Impact of a Ni2+-influx on formation, stability, solubility and crystal structures of the magnesia cement phases 3-1-8 and 5-1-8 at 25 Â°C. Journal of Environmental Chemical Engineering, 2017, 5, 5481-5492.	6.7	1
93	On verdigris, part I: synthesis, crystal structure solution and characterisation of the 1â€“2â€“0 phase (Cu₃(CH₃COO)₂(OH)₄). Dalton Transactions, 2017, 46, 14847-14858.	3.3	20
94	On Two Glycine Zinc Sulfate Phases with Exotic Cation Coordination Geometries. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1855-1860.	1.2	1
95	Synthesis, Crystal Structures, and Properties of M(NCS)₂â€3â€aminomethylpyridine Coordination Compounds (M = Cd, Zn). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1904-1912.	1.2	12
96	Synthesis, Structures, and Physical Properties of Thiocyanate Coordination Compounds with 3â€Hydroxymethylpyridine. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1497-1507.	1.2	5
97	Trivalent Iridium Oxides: Layered Triangular Lattice Iridate K_{0.75}Na_{0.25}IrO₂ and Oxyhydroxide IrOOH. Chemistry of Materials, 2017, 29, 8338-8345.	6.7	35
98	Acoustic Emission from Organic Martensites. Angewandte Chemie, 2017, 129, 8216-8221.	2.0	1
99	The thermal decomposition of Ni(H2O)6[B12Cl12] Â· 6 H2O under X-ray and TG monitoring. Inorganica Chimica Acta, 2017, 467, 147-154.	2.4	7
100	The crystal structures of carbonyl iron powder â€“ revised using in situ synchrotron XRPD. Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 835-842.	0.8	9
101	Zersetzung bringt Neues: Korrosionsprodukte im Museum. Nachrichten Aus Der Chemie, 2017, 65, 1185-1189.	0.0	0
102	Synthesis, Structures and Properties of Cobalt Thiocyanate Coordination Compounds with 4-(hydroxymethyl)pyridine as Co-ligand. Crystals, 2016, 6, 38.	2.2	18
103	On the Crystal Structure of a Previously Unknown Anhydrous Zinc Hydroxide Sulfate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 255-259.	1.2	11
104	Crystal Structure of the Dietary Supplement Ferrous Glycine Sulfate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 306-310.	1.2	5
105	One heritage corrosion product less: basic sodium copper carbonate. Heritage Science, 2016, 4, .	2.3	4
106	Crystal structure determination of non-stoichiometric Ca_{4â^’x}RuO_{6â^’x} (x = 1.17) from X-ray powder diffraction data. Powder Diffraction, 2016, 31, 59-62.	0.2	0
107	Persistent Paramagnons Deep in the Metallic Phase of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Sr</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow><mml:mn> Physical Review Letters, 2016, 117, 107001.	7.8	68
108	Synthesis, structures, magnetic, and theoretical investigations of layered Co and Ni thiocyanate coordination polymers. Dalton Transactions, 2016, 45, 18190-18201.	3.3	71

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109	X-ray Powder Diffraction in Conservation Science: Towards Routine Crystal Structure Determination of Corrosion Products on Heritage Art Objects. Journal of Visualized Experiments, 2016, , .	0.3	5
110	Ni3Cl2+x(OH)4-xÂ·2H2O: Structural, Thermal, Spectral, and Magnetic Properties in Dependence of the Chloride Content. European Journal of Inorganic Chemistry, 2016, 2016, 1875-1885.	2.0	7
111	Crystal Structure and Hydrate Water Content of Synthetic Hellyerite, NiCO‹sub›3‹/sub›Â·5.5H‹sub›2‹/sub›O. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 652-659.	1.2	17
112	‹i›In Situ‹/i› Monitoring and Mechanism of the Mechanochemical Formation of a Microporous MOF-74 Framework. Journal of the American Chemical Society, 2016, 138, 2929-2932.	13.7	194
113	Synthesis, spectroscopic and structural perspective of new ferrocenyl amides. Solid State Sciences, 2016, 55, 29-35.	3.2	0
114	Crystal structure details of La- and Bi-substituted hydroxyapatites: Evidence for LaO+ and BiO+ with a very short metalâ€“oxygen bond. Journal of Solid State Chemistry, 2016, 237, 349-357.	2.9	20
115	Room temperature large-scale synthesis of layered frameworks as low-cost 4â€‰V cathode materials for lithium ion batteries. Scientific Reports, 2015, 5, 16270.	3.3	41
116	Thiocyanato Coordination Polymers with Isomeric Coordination Networks â€“ Synthesis, Structures, and Magnetic Properties. European Journal of Inorganic Chemistry, 2015, 2015, 3236-3245.	2.0	67
117	Nickel Bicarbonate Revealed as a Basic Carbonate. European Journal of Inorganic Chemistry, 2015, 2015, 5913-5920.	2.0	9
118	A New Method for Quantitative Marking of Deposited Lithium by Chemical Treatment on Graphite Anodes in Lithiumâ€ion Cells. Chemistry - A European Journal, 2015, 21, 6062-6065.	3.3	17
119	The Crystal Structure of Symplesite. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1207-1210.	1.2	4
120	Two Modifications of Tin(II) Bromide. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1467-1472.	1.2	11
121	Trapping Reactive Intermediates by Mechanochemistry: Elusive Aryl ‹i›N‹/i›â€Thiocarbamoylbenzotriazoles as Benchâ€Stable Reagents. Angewandte Chemie - International Edition, 2015, 54, 8440-8443.	13.8	74
122	A solid solution series of atacamite type Ni2Mg2â^'2Cl(OH)3. Journal of Solid State Chemistry, 2015, 228, 131-140.	2.9	14
123	Structure solution and refinement of stacking-faulted NiCl(OH). Journal of Applied Crystallography, 2015, 48, 1706-1718.	4.5	21
124	Perpetually Self-Propelling Chiral Single Crystals. Journal of the American Chemical Society, 2015, 137, 1895-1902.	13.7	116
125	Solid-State Structure of a Degradation Product Frequently Observed on Historic Metal Objects. Inorganic Chemistry, 2015, 54, 2638-2642.	4.0	16
126	Thermodynamically Metastable Thiocyanato Coordination Polymer That Shows Slow Relaxations of the Magnetization. Inorganic Chemistry, 2015, 54, 2893-2901.	4.0	85

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127	Crystal Structure of Thecotrichite, an Efflorescent Salt on Calcareous Objects Stored in Wooden Cabinets. Crystal Growth and Design, 2015, 15, 2795-2800.	3.0	14
128	In situ X-ray diffraction monitoring of a mechanochemical reaction reveals a unique topology metal-organic framework. Nature Communications, 2015, 6, 6662.	12.8	294
129	Limited Crystallite Growth upon Isothermal Annealing of Nanocrystalline Anatase. Crystal Growth and Design, 2015, 15, 2282-2290.	3.0	17
130	Surface and Bulk Effects in Photochemical Reactions and Photomechanical Effects in Dynamic Molecular Crystals. Journal of the American Chemical Society, 2015, 137, 13866-13875.	13.7	109
131	Formation of a quasi-solid structure by intercalated noble gas atoms in pores of Cu^I-MFU-4l metalâ€“organic framework. Chemical Communications, 2015, 51, 714-717.	4.1	18
132	Rigidified malononitrile- and ketone-merocyanines in rigid environments. Macedonian Journal of Chemistry and Chemical Engineering, 2015, 34, 151.	0.6	1
133	A Century of Powder Diffraction: a Brief History. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 3015-3028.	1.2	17
134	Preparation, Structural, Thermogravimetric and Spectroscopic Study of Magnesium Potassium Arsenate Hexahydrate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 3177-3183.	1.2	10
135	Single Crystals Popping Under UV Light: A Photosalient Effect Triggered by a [2+2] Cycloaddition Reaction. Angewandte Chemie - International Edition, 2014, 53, 5907-5911.	13.8	212
136	Following a Photoinduced Reconstructive Phase Transformation and its Influence on the Crystal Integrity: Powder Diffraction and Theoretical Study. Angewandte Chemie - International Edition, 2014, 53, 6738-6742.	13.8	13
137	High-pressure phase transitions in the rare-earth orthoferrite LaFeO₃. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 452-458.	1.1	22
138	Identification of the Chromophore in the Apatite Pigment [Sr₁₀(PO₄)₆(Cu_xOH_{1â^'xâ^'y})₂]: Linear OCuO^{â^'} Featuring a Resonance Raman Effect, an Extreme Magnetic Anisotropy, and Slow Spin Relaxation. Chemistry - A European Journal, 2014, 20, 165-178.	5.3	41
139	Rotational Rigid Body Symmetry Modes: A Tool for the Investigation of Phase Transitions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 3079-3087.	1.2	2
140	Understanding the adsorption mechanism of noble gases Kr and Xe in CPO-27-Ni, CPO-27-Mg, and ZIF-8. Physical Chemistry Chemical Physics, 2014, 16, 23908-23914.	2.8	43
141	Direct parameterization of the pressure-dependent volume by using an inverted approximate Vinet equation of state. Journal of Applied Crystallography, 2014, 47, 384-390.	4.5	2
142	Quantitative in situ and real-time monitoring of mechanochemical reactions. Faraday Discussions, 2014, 170, 203-221.	3.2	73
143	On the hydrates of codeine phosphate: the remarkable influence of hydrogen bonding on the crystal size. Chemical Communications, 2014, 50, 6970-6972.	4.1	9
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