

Juergen Senker

List of Publications by Year in descending order

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186
papers

10,850
citations

41258

49
h-index

32761

100
g-index

203
all docs

203
docs citations

203
times ranked

11068
citing authors

#	ARTICLE	IF	CITATIONS
1	Melem (2,5,8-Triamino-tri-s-triazine), an Important Intermediate during Condensation of Melamine Rings to Graphitic Carbon Nitride: Synthesis, Structure Determination by X-ray Powder Diffractometry, Solid-State NMR, and Theoretical Studies. <i>Journal of the American Chemical Society</i> , 2003, 125, 10288-10300.	6.6	954
2	Unmasking Melon by a Complementary Approach Employing Electron Diffraction, Solid-State NMR Spectroscopy, and Theoretical Calculations: Structural Characterization of a Carbon Nitride Polymer. <i>Chemistry - A European Journal</i> , 2007, 13, 4969-4980.	1.7	778
3	Crystalline Carbon Nitride Nanosheets for Improved Visible-Light Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2014, 136, 1730-1733.	6.6	614
4	Rational design of carbon nitride photocatalysts by identification of cyanamide defects as catalytically relevant sites. <i>Nature Communications</i> , 2016, 7, 12165.	5.8	586
5	Triazine-based Carbon Nitrides for Visible-Light-Driven Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2435-2439.	7.2	401
6	Synthesis and Modification of a Functionalized 3D Open-Framework Structure with MIL-53 Topology. <i>Inorganic Chemistry</i> , 2009, 48, 3057-3064.	1.9	358
7	Low-Molecular-Weight Carbon Nitrides for Solar Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2015, 137, 1064-1072.	6.6	321
8	Poly(triazine imide) with Intercalation of Lithium and Chloride Ions [(C ₃ N ₃) ₂ (NH) ₂ Li ⁺] ₃ ·xLiCl]·283 A Crystalline 2D Carbon Nitride Network. <i>Chemistry - A European Journal</i> , 2011, 17, 3213-3221.		
9	Pt@MOF-177: Synthesis, Room-Temperature Hydrogen Storage and Oxidation Catalysis. <i>Chemistry - A European Journal</i> , 2008, 14, 8204-8212.	1.7	272
10	[Al ₄ (OH) ₂ (OCH ₃) ₄ (H ₂ N)dc ₃] _n ·xH ₂ O: A 12-Connected Porous Metal-Organic Framework with an Unprecedented Aluminum-Containing Brick. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5163-5166.	7.2	260
11	Microporous Functionalized Triazine-Based Polyimides with High CO ₂ Capture Capacity. <i>Chemistry of Materials</i> , 2013, 25, 970-980.	3.2	255
12	Phenyl-triazine oligomers for light-driven hydrogen evolution. <i>Energy and Environmental Science</i> , 2015, 8, 3345-3353.	15.6	238
13	Performance Improvement of Nanocatalysts by Promoter-Induced Defects in the Support Material: Methanol Synthesis over Cu/ZnO:Al. <i>Journal of the American Chemical Society</i> , 2013, 135, 6061-6068.	6.6	201
14	Ab Initio Calculation of Solid-State NMR Spectra for Different Triazine and Heptazine Based Structure Proposals of g-C ₃ N ₄ . <i>Journal of Physical Chemistry B</i> , 2007, 111, 10671-10680.	1.2	173
15	A fluorene based covalent triazine framework with high CO ₂ and H ₂ capture and storage capacities. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5928-5936.	5.2	159
16	Structural Insights into Poly(Heptazine Imides): A Light-Storing Carbon Nitride Material for Dark Photocatalysis. <i>Chemistry of Materials</i> , 2019, 31, 7478-7486.	3.2	151
17	Mechanism of the Transformation of Silica Precursor Solutions into Si-MFI Zeolite. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2558-2561.	7.2	120
18	Melamine-Melem Adduct Phases: Investigating the Thermal Condensation of Melamine. <i>Chemistry - A European Journal</i> , 2009, 15, 13161-13170.	1.7	110

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19	Nanoplatelets of Sodium Hectorite Showing Aspect Ratios of $\sim 20 \times 1000$ and Superior Purity. <i>Langmuir</i> , 2013, 29, 1280-1285.	1.6	109
20	Structure elucidation of polyheptazine imide by electron diffraction—a templated 2D carbon nitride network. <i>Chemical Communications</i> , 2009, , 1541.	2.2	104
21	Donor–Acceptor–Type Heptazine-Based Polymer Networks for Photocatalytic Hydrogen Evolution. <i>Energy Technology</i> , 2016, 4, 744-750.	1.8	102
22	High-Pressure Synthesis of β -P ₃ N ₅ at 11 GPa and 1500 °C in a Multianvil Assembly: A Binary Phosphorus(V) Nitride with a Three-Dimensional Network Structure from PN ₄ Tetrahedra and Tetragonal PN ₅ Pyramids. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2643-2645.	7.2	99
23	Reconstructing the Environmental Degradation of Polystyrene by Accelerated Weathering. <i>Environmental Science & Technology</i> , 2021, 55, 7930-7938.	4.6	94
24	Porous imine-based networks with protonated imine linkages for carbon dioxide separation from mixtures with nitrogen and methane. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18492-18504.	5.2	92
25	Enhancing the Water Stability of Al ₃ (OH) ₄ (NO ₃) ₂ via Postsynthetic Modification. <i>Chemistry - A European Journal</i> , 2015, 21, 314-323.	1.7	87
26	The spectral density in simple organic glass formers: Comparison of dielectric and spin-lattice relaxation. <i>Journal of Chemical Physics</i> , 1999, 110, 12011-12022.	1.2	83
27	A new Al-MOF based on a unique column-shaped inorganic building unit exhibiting strongly hydrophilic sorption behaviour. <i>Chemical Communications</i> , 2012, 48, 9486.	2.2	81
28	Formation and Characterization of Melam, Melam Hydrate, and a Melam–Melem Adduct. <i>Chemistry - A European Journal</i> , 2013, 19, 2041-2049.	1.7	81
29	Polymorphism in Benzamide: Solving a 175-Year-Old Riddle. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6729-6731.	7.2	76
30	NMR Crystallography. <i>Annual Reports on NMR Spectroscopy</i> , 2014, 82, 1-57.	0.7	73
31	Molecular Motion in the Two Amorphous Phases of Triphenyl Phosphite. <i>Journal of Physical Chemistry B</i> , 1999, 103, 1727-1737.	1.2	71
32	The Tautomeric Forms of Cyameluric Acid Derivatives. <i>Chemistry - A European Journal</i> , 2007, 13, 1158-1173.	1.7	70
33	Microporous Organic Polyimides for CO ₂ and H ₂ O Capture and Separation from CH ₄ and N ₂ Mixtures: Interplay between Porosity and Chemical Function. <i>Chemistry of Materials</i> , 2016, 28, 5461-5470.	3.2	61
34	Tackling the stacking disorder of melon—structure elucidation in a semicrystalline material. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2227.	1.3	60
35	Impact of initial solvent on thermal stability and mechanical properties of recombinant spider silk films. <i>Journal of Materials Chemistry</i> , 2011, 21, 13594.	6.7	60
36	Covalent Grafting to $\frac{1}{4}$ -Hydroxy-Capped Surfaces? A Kaolinite Case Study. <i>Chemistry of Materials</i> , 2011, 23, 3152-3158.	3.2	60

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37	The Stuffed Framework Structure of SrP ₂ N ₄ : Challenges to Synthesis and Crystal Structure Determination. <i>Chemistry - A European Journal</i> , 2007, 13, 6841-6852.	1.7	59
38	HPaKB ₃ O ₅ Highlights the Structural Diversity of Borates: Corner-sharing BO ₃ /BO ₄ Groups in Combination with Edge-sharing BO ₄ Tetrahedra. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4147-4152.	1.0	59
39	A new aluminium-based microporous metal-organic framework: Al(BTB) (BTB =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 1d	2.2	58
40	Insights into the Positive Effect of Post-Annealing on the Electrochemical Performance of Al ₂ O ₃ -Coated Ni-Rich NCM Cathodes for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 3369-3380.	2.5	58
41	Hollow silica sphere colloidal crystals: insights into calcination dependent thermal transport. <i>Nanoscale</i> , 2015, 7, 10059-10070.	2.8	54
42	Solving the Hydrogen and Lithium Substructure of Poly(triazine imide)/LiCl Using NMR Crystallography. <i>Chemistry - A European Journal</i> , 2016, 22, 16878-16890.	1.7	54
43	Structure and properties of Al-MIL-53-ADP, a breathing MOF based on the aliphatic linker molecule adipic acid. <i>Dalton Transactions</i> , 2016, 45, 4179-4186.	1.6	54
44	Controlled modification of the inorganic and organic bricks in an Al-based MOF by direct and post-synthetic synthesis routes. <i>CrystEngComm</i> , 2012, 14, 4126.	1.3	52
45	Triphenyl phosphite: a candidate for liquid polyamorphism. <i>Chemical Geology</i> , 2001, 174, 143-156.	1.4	51
46	Molecular Dynamics in Binary Organic Glass Formers. <i>Journal of Physical Chemistry B</i> , 1999, 103, 4032-4044.	1.2	50
47	Pure silica BETA colloidal zeolite assembled in thin films. <i>Chemical Communications</i> , 2003, , 326-327.	2.2	50
48	Systematic Investigation of Lanthanide Phosphonatoethanesulfonate Framework Structures by High-Throughput Methods, Ln(O ₃ P ₂ CH ₄ SO ₃)(H ₂ O) (Ln = La~Dy). <i>Inorganic Chemistry</i> , 2007, 46, 9968-9974.	1.9	50
49	Sonochemical Activation of Al/Ni Hydrogenation Catalyst. <i>Advanced Functional Materials</i> , 2012, 22, 3128-3135.	7.8	49
50	Theoretical Investigation of Macrodipoles in Supramolecular Columnar Stacks. <i>Chemistry - A European Journal</i> , 2013, 19, 1647-1657.	1.7	49
51	Robust Microporous Monoliths with Integrated Catalytically Active Metal Sites Investigated by Hyperpolarized ¹²⁹ Xe NMR. <i>Chemistry of Materials</i> , 2012, 24, 3952-3963.	3.2	48
52	Microscopic Description of the Polyamorphic Phases of Triphenyl Phosphite by Means of Multidimensional Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2005, 127, 337-349.	6.6	46
53	[Zn(C ₃ H ₃ N ₂)(C ₃ H ₂ N ₂) ₂] ²⁺ N=N ⁻ C ₆ H ₅ a Mixed-linker ZIF Containing a Photo-switchable Phenylazo Group. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 5378-5383.	1.0	46
54	Proton-driven coordination-induced spin state switch (PD-CISSS) of iron(II) complexes. <i>Chemical Communications</i> , 2017, 53, 971-974.	2.2	46

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55	Systematic evaluation of different types of graphene oxide in respect to variations in their in-plane modulus. <i>Carbon</i> , 2017, 114, 700-705.	5.4	44
56	New Group 13 MIL-53 Derivates based on 2,5-Thiophenedicarboxylic Acid. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1600-1608.	0.6	44
57	SMARTER crystallography of the fluorinated inorganic-organic compound $Zn_3Al_2F_{12} \cdot [HAmTAZ]_6$. <i>Dalton Transactions</i> , 2012, 41, 6232.	1.6	43
58	SrSi ₆ N ₈ -A Reduced Nitridosilicate with a Si-Si Bond. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 567-570.	7.2	42
59	Structure and Crystallization of Alkaline-Earth Aluminosilicate Glasses: Prevention of the Alumina-Avoidance Principle. <i>Journal of Physical Chemistry B</i> , 2018, 122, 4737-4747.	1.2	42
60	Degradation of low-density polyethylene to nanoplastic particles by accelerated weathering. <i>Science of the Total Environment</i> , 2022, 826, 154035.	3.9	42
61	Wöhler and Liebig Revisited: 176 Years of Polymorphism in Benzamide - and the Story Still Continues!. <i>Crystal Growth and Design</i> , 2009, 9, 2435-2441.	1.4	41
62	Probing Interactions of N-Donor Molecules with Open Metal Sites within Paramagnetic Cr-MIL-101: A Solid-State NMR Spectroscopic and Density Functional Theory Study. <i>Journal of the American Chemical Society</i> , 2018, 140, 2135-2144.	6.6	41
63	Understanding disorder and linker deficiency in porphyrinic zirconium-based metal-organic frameworks by resolving the Zr ₈ O ₆ cluster conundrum in PCN-221. <i>Nature Communications</i> , 2021, 12, 3099.	5.8	41
64	Characterization of the Thermally Induced Topochemical Solid-State Transformation of NH ₄ [N(CN) ₂] into NCNC(NH ₂) ₂ by Means of X-ray and Neutron Diffraction as Well as Raman and Solid-State NMR Spectroscopy. <i>Inorganic Chemistry</i> , 2004, 43, 895-904.	1.9	38
65	Identifying Selective Host-Guest Interactions Based on Hydrogen Bond Donor-Acceptor Pattern in Functionalized Al-MIL-53 Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2013, 117, 19991-20001.	1.5	38
66	Synthesen, Kristallstrukturen und spektroskopische Eigenschaften des Melem-Adduktes C ₆ N ₇ (NH ₂) ₃ · H ₃ PO ₄ sowie der Melemium-Salze (H ₂ C ₆ N ₇ (NH ₂) ₃)SO ₄ · 2 H ₂ O und (HC ₆ N ₇ (NH ₂) ₃)ClO ₄ · H ₂ O. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 2545-2554.	0.6	37
67	The use of ultrasonic cavitation for near-surface structuring of robust and low-cost AlNi catalysts for hydrogen production. <i>Green Chemistry</i> , 2015, 17, 2745-2749.	4.6	37
68	Crystal Structure of a Highly Efficient Clarifying Agent for Isotactic Polypropylene. <i>Crystal Growth and Design</i> , 2012, 12, 2543-2551.	1.4	36
69	LixH _{12-x-y+z} [P ₁₂ O _y N _{24-y}]X _z (X = Cl, Br) - Oxonitridophosphate mit NPO-Zeolithstruktur. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004, 630, 2205-2217.	0.6	35
70	Solvent Impact on the Properties of Benchmark Metal-Organic Frameworks: Acetonitrile-Based Synthesis of CAU-10, CeUiO-66, and Al-MIL-53. <i>Chemistry - A European Journal</i> , 2020, 26, 3877-3883.	1.7	35
71	Facile Scalable Synthesis of Rectorites. <i>Chemistry of Materials</i> , 2010, 22, 186-196.	3.2	34
72	Flexible, Mechanically Stable, Porous Self-Standing Microfiber Network Membranes of Covalent Organic Frameworks: Preparation Method and Characterization. <i>Advanced Functional Materials</i> , 2021, 31, 2106507.	7.8	34

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73	Structure elucidation of cyameluric acid by combining solid-state NMR spectroscopy, molecular modeling and direct-space methods. <i>Journal of Molecular Structure</i> , 2008, 889, 217-228.	1.8	33
74	An NMR crystallographic approach for the determination of the hydrogen substructure of nitrogen bonded protons. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 3522.	1.3	32
75	Polymorphism in co-crystals: a metastable form of the ionic co-crystal 2 HBz·1 NaBz crystallised by flash evaporation. <i>CrystEngComm</i> , 2012, 14, 6744.	1.3	32
76	Reactions with Oleum under Harsh Conditions: Characterization of the Unique $[M(S_2O_7)_3]^{2-}$ Ions (M=Si, Ge, Sn) in $A_2[M(S_2O_7)_3]$ (A=NH ₄ , Ag). <i>Chemistry - A European Journal</i> , 2012, 18, 15495-15503.	1.7	31
77	Reorientational Dynamics of Amide Ions in Isotypic Phases of Strontium and Calcium Amide. 1. Neutron Diffraction Experiments. <i>Journal of Physical Chemistry B</i> , 1998, 102, 931-940.	1.2	30
78	Mesoscale Polarization by Geometric Frustration in Columnar Supramolecular Crystals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4432-4437.	7.2	30
79	Determination of rotational symmetry elements in NMR crystallography. <i>Solid State Sciences</i> , 2004, 6, 1039-1052.	1.5	29
80	Structural, Thermodynamic, and Kinetic Aspects of the Polymorphism and Pseudopolymorphism of Prednisolone (11,17 β ,21-Trihydroxy-1,4-pregnadien-3,20-dion). <i>Crystal Growth and Design</i> , 2008, 8, 98-107.	1.4	29
81	Supposedly identical microplastic particles substantially differ in their material properties influencing particle-cell interactions and cellular responses. <i>Journal of Hazardous Materials</i> , 2022, 425, 127961.	6.5	29
82	Investigation of structural and dynamic properties of NH ₄ [N(CN) ₂] by means of X-ray and neutron powder diffraction as well as vibrational and solid-state NMR spectroscopy. <i>Journal of Solid State Chemistry</i> , 2003, 176, 180-191.	1.4	28
83	Realisation of truly microporous pillared clays. <i>Chemical Communications</i> , 2008, , 629-631.	2.2	28
84	Porosity of Pillared Clays Studied by Hyperpolarized ¹²⁹ Xe NMR Spectroscopy and Xe Adsorption Isotherms. <i>Langmuir</i> , 2013, 29, 643-652.	1.6	27
85	Understanding the Formation of CaAl ₂ Si ₂ O ₈ in Melilite-Based Glass-Ceramics: Combined Diffraction and Spectroscopic Studies. <i>ACS Omega</i> , 2017, 2, 6233-6243. New Compounds Bearing $[M(S_2O_7)_3]^{2-}$ Anions (M =) Tj ETQq0 0 0 rgBT /Overlo	1.6	26
86	$A_2[Si(S_2O_7)_3]$ (A = Na, K, Rb), $A_2[Ge(S_2O_7)_3]$ (A = Li, Na, K, Rb, Cs), $A_2[Sn(S_2O_7)_3]$ (A = Na, K), and the Unique Germanate $Hg_2[Ge(S_2O_7)_3]Cl_2$ with Cationic	0.6	25
87	Constant Volume Gate-Opening by Freezing Rotational Dynamics in Microporous Organically Pillared Layered Silicates. <i>Journal of the American Chemical Society</i> , 2017, 139, 904-909.	6.6	25
88	Selective host-guest interactions in metal-organic frameworks via multiple hydrogen bond donor-acceptor recognition sites. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10379-10388.	5.2	25
89	A Theoretical and Experimental Study on the Lewis Acid-Base Adducts (P ₄ E ₃)·(BX ₃) (E = S, Se; X = Br, I) and (P ₄ Se ₃)·(NbCl ₅). <i>Inorganic Chemistry</i> , 2001, 40, 4956-4965.	1.9	24
90	Determination of the Local Disorder in the Polyamorphic Phases of Triphenyl Phosphite. <i>Journal of Physical Chemistry B</i> , 2002, 106, 7592-7595.	1.2	24

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91	Synthesis and Characterization of the Tetraphosphonic Acid Ester (Et ₂ O ₃ PCH ₂) ₄ C ₆ H ₂ and the Open-Framework Cadmium Tetraphosphonate, Cd ₂ [(HO ₃ PCH ₂) ₄ C ₆ H ₂]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 575-581.	0.6	24
92	Water mediated proton conduction in a sulfonated microporous organic polymer. Chemical Communications, 2017, 53, 7592-7595.	2.2	23
93	Hidden Oceans? Unraveling the Structure of Hydrous Defects in the Earth's Deep Interior. Journal of the American Chemical Society, 2017, 139, 10499-10505.	6.6	23
94	La ₃ B ₆ O ₁₃ (OH): The First Acentric High-Pressure Borate Displaying Edge-Sharing BO ₄ Tetrahedra. Chemistry - A European Journal, 2020, 26, 6851-6861.	1.7	23
95	Structure Determination for the Crystalline Phase of Triphenyl Phosphite by Means of Multi-Dimensional Solid-State NMR and X-Ray Diffraction. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2001, 56, 1089-1099.	0.3	22
96	Co-Catalyzed Synthesis of Primary Amines via Reductive Amination employing Hydrogen under very mild Conditions. ChemSusChem, 2021, 14, 2360-2366.	3.6	22
97	Synthesis and characterization of V- and Ti-substituted mesoporous materials. Materials Science and Engineering C, 2003, 23, 817-821.	3.8	21
98	Ternary Stannides LiTsn ₄ (T = Ru, Rh, Ir) Chemical Bonding and Physical Properties. Journal of Physical Chemistry B, 2003, 107, 1943-1948.	1.2	21
99	Synthese von dreidimensional geordneten Einlagerungsverbindungen des Hectorits. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 80-90.	0.6	21
100	Improvement of thermal and mechanical properties of a phenolic resin nanocomposite by <i>in situ</i> formation of silsesquioxanes from a molecular precursor. Journal of Applied Polymer Science, 2010, 117, 2272-2277.	1.3	21
101	Microporous PILCs – Synthesis, pillaring mechanism and selective cation exchange. Applied Clay Science, 2010, 48, 146-153.	2.6	20
102	Rational Syntheses and Structural Characterization of Sulfur-Rich Phosphorus Polysulfides: P_2S_7 and P_2S_7 . Angewandte Chemie - International Edition, 2011, 50, 10996-11000.	7.2	20
103	Elucidating the formation of Al–NBO bonds, Al–O–Al linkages and clusters in alkaline-earth aluminosilicate glasses based on molecular dynamics simulations. Physical Chemistry Chemical Physics, 2019, 21, 23966-23977.	1.3	20
104	Characterisation of the tetrahalophosphonium cations PBrnI_4^{n+} ($n = 1, 2, 3, 4$) by ³¹ P MAS NMR, IR and Raman spectroscopy and the crystal structures of $\text{PI}_4\text{+AlCl}_4^-$, $\text{PI}_4\text{+AlBr}_4^-$ and $\text{PI}_4\text{+GaI}_4^-$. Dalton Transactions RSC, 2001, , 1880-1889.	2.3	19
105	Thermoanalytical Evidence of Metastable Molecular Defects in Form I of Benzamide. Crystal Growth and Design, 2012, 12, 5365-5372.	1.4	19
106	Two-Step Delamination of Highly Charged, Vermiculite-like Layered Silicates via Ordered Heterostructures. Langmuir, 2017, 33, 4816-4822.	1.6	19
107	Orientational order and rotational dynamics of the amide ions in potassium amide. II. Quasielastic neutron scattering. Journal of Chemical Physics, 1998, 109, 3559-3567.	1.2	18
108	Intermetallic lithium compounds with two- and three-dimensional polyanions-synthesis, structure, and lithium mobility. Heteroatom Chemistry, 2002, 13, 506-513.	0.4	18

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109	A Concerted Approach for the Determination of Molecular Conformation in Ordered and Disordered Materials. <i>Chemistry - A European Journal</i> , 2007, 13, 6339-6350.	1.7	18
110	[Al ₂ (OH) ₂ (TCPB)] • An Al-MOF based on a tetrapopic linker molecule. <i>Microporous and Mesoporous Materials</i> , 2015, 216, 27-35.	2.2	18
111	Accurate Structural Description of the Two Nanoporous Fluorinated Aluminophosphates ULM-3(Al) and ULM-4(Al) by Solid-State NMR. <i>Journal of Physical Chemistry C</i> , 2012, 116, 21489-21498.	1.5	17
112	Exploring Local Disorder within CAU-1 Frameworks Using Hyperpolarized ¹²⁹ Xe NMR Spectroscopy. <i>Langmuir</i> , 2018, 34, 12538-12548.	1.6	17
113	NMR-crystallographic study of two-dimensionally self-assembled cyclohexane-based low-molecular-mass organic compounds. <i>CrystEngComm</i> , 2013, 15, 8784.	1.3	16
114	Two-site jumps in dimethyl sulfone studied by one- and two-dimensional ¹⁷ O NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2018, 288, 84-94.	1.2	16
115	Influence of Strontium Oxide on Structural Transformations in Diopside-Based Glass-Ceramics Assessed by Diverse Structural Tools. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11482-11492.	1.5	15
116	Orientational order and rotational dynamics of the amide ions in potassium amide. I. Neutron diffraction. <i>Journal of Chemical Physics</i> , 1997, 107, 2363-2373.	1.2	14
117	Room temperature synthesis of an amorphous MoS ₂ based composite stabilized by N-donor ligands and its light-driven photocatalytic hydrogen production. <i>RSC Advances</i> , 2015, 5, 67742-67751.	1.7	14
118	Probing self-assembled 1,3,5-benzenetrisamides in isotactic polypropylene by ¹³ C DQ solid-state NMR spectroscopy. <i>Chemical Communications</i> , 2013, 49, 267-269.	2.2	13
119	Formation and Structural Diversity of Organo-Functionalized Tin-Silver Selenide Clusters. <i>Chemistry - A European Journal</i> , 2017, 23, 15607-15611.	1.7	13
120	Ultramicroporous polyimides with hierarchical morphology for carbon dioxide separation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12797-12806.	5.2	13
121	Structure Determination of a Low Temperature Phase of Calcium and Strontium Amide by means of Neutron Powder Diffraction on Ca(ND ₂) ₂ and Sr(ND ₂) ₂ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1999, 625, 2025-2032.	0.6	12
122	Trimorphism of Betamethasone Valerate: Preparation, Crystal Structures, and Thermodynamic Relations. <i>Crystal Growth and Design</i> , 2015, 15, 366-373.	1.4	12
123	BILP-19 • An Ultramicroporous Organic Network with Exceptional Carbon Dioxide Uptake. <i>Molecules</i> , 2017, 22, 1343.	1.7	12
124	Oxygen Vacancy Ordering in Aluminous Bridgmanite in the Earth's Lower Mantle. <i>Geophysical Research Letters</i> , 2019, 46, 8731-8740.	1.5	12
125	Reorientational Dynamics of Amide Ions in Isotypic Phases of Strontium and Calcium Amide II. <i>Solid State NMR. Journal of Physical Chemistry B</i> , 1999, 103, 4497-4507.	1.2	10
126	High-temperature synthesis, single-crystal X-ray structure determination and solid-state NMR investigations of Ba ₇ [SiO ₄][BO ₃] ₃ CN and Sr ₇ [SiO ₄][BO ₃] ₃ CN. <i>Journal of Solid State Chemistry</i> , 2003, 174, 221-228.	1.4	10

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127	Influence of fluorine side-group substitution on the crystal structure formation of benzene-1,3,5-trisamides. <i>CrystEngComm</i> , 2014, 16, 9273-9283.	1.3	10
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