

# Bettina Lotsch

## List of Publications by Year in descending order

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232  
papers

20,931  
citations

9786

73  
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10445

139  
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249  
docs citations

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times ranked

20408  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Tourâ€Guide through Carbon Nitrideâ€Land: Structureâ€and Dimensionalityâ€Dependent Properties for Photo(Electro)Chemical Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2022, 12, 2101078.	19.5	81
2	Light-driven carbon nitride microswimmers with propulsion in biological and ionic media and responsive on-demand drug delivery. <i>Science Robotics</i> , 2022, 7, eabm1421.	17.6	52
3	Olefin Metathesis in Confinement: Towards Covalent Organic Framework Scaffolds for Increased Macrocyclization Selectivity. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	15
4	Conductivity Mechanism in Ionic 2D Carbon Nitrides: From Hydrated Ion Motion to Enhanced Photocatalysis. <i>Advanced Materials</i> , 2022, 34, e2107061.	21.0	49
5	Unveiling the complex configurational landscape of the intralayer cavities in a crystalline carbon nitride. <i>Chemical Science</i> , 2022, 13, 3187-3193.	7.4	13
6	Direct and Linker-Exchange Alcohol-Assisted Hydrothermal Synthesis of Imide-Linked Covalent Organic Frameworks. <i>Chemistry of Materials</i> , 2022, 34, 2249-2258.	6.7	33
7	Enhancement of Superionic Conductivity by Halide Substitution in Strongly Stacking Faulted $\text{Li}_3\text{HoBr}_6$ Phases. <i>Chemistry of Materials</i> , 2022, 34, 3227-3235.	6.7	19
8	Superionic Conduction in the Plastic Crystal Polymorph of $\text{Na}_4\text{P}_2\text{S}_6$ . <i>ACS Energy Letters</i> , 2022, 7, 1403-1411.	17.4	9
9	Influence of layer slipping on adsorption of light gases in covalent organic frameworks: A combined experimental and computational study. <i>Microporous and Mesoporous Materials</i> , 2022, 336, 111796.	4.4	6
10	Instability of the $\text{Li}_7\text{SiPS}_8$ Solid Electrolyte at the Lithium Metal Anode and Interphase Formation. <i>Chemistry of Materials</i> , 2022, 34, 3659-3669.	6.7	12
11	Photomemristive sensing <i>via</i> charge storage in 2D carbon nitrides. <i>Materials Horizons</i> , 2022, 9, 1866-1877.	12.2	11
12	How Reproducible are Surface Areas Calculated from the BET Equation?. <i>Advanced Materials</i> , 2022, 34, .	21.0	82
13	Light-driven molecular motors embedded in covalent organic frameworks. <i>Chemical Science</i> , 2022, 13, 8253-8264.	7.4	19
14	Covalent Organic Framework Nanoplates Enable Solution-Processed Crystalline Nanofilms for Photoelectrochemical Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2022, 144, 10291-10300.	13.7	33
15	Guest-responsive thermal expansion in the Zrâ€porphyrin metalâ€organic framework PCN-222. <i>APL Materials</i> , 2022, 10, .	5.1	5
16	Polymer photocatalysts for solar-to-chemical energy conversion. <i>Nature Reviews Materials</i> , 2021, 6, 168-190.	48.7	361
17	Optoelectronics Meets Optoionics: Light Storing Carbon Nitrides and Beyond. <i>Advanced Energy Materials</i> , 2021, 11, 2003049.	19.5	41
18	Interfacial Engineering for Improved Photocatalysis in a Charge Storing 2D Carbon Nitride: Melamine Functionalized Poly(heptazine imide). <i>Advanced Energy Materials</i> , 2021, 11, 2003016.	19.5	64

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19	Phase formation through synthetic control: polymorphism in the sodium-ion solid electrolyte Na <sub>4</sub> P <sub>2</sub> S <sub>6</sub> . Journal of Materials Chemistry A, 2021, 9, 8692-8703.	10.3	6
20	Impact of hydration on ion transport in Li <sub>2</sub> Sn <sub>2</sub> S <sub>5</sub> ·xH <sub>2</sub> O. Journal of Materials Chemistry A, 2021, 9, 16532-16544.	10.3	13
21	Photocatalytic Hydrogen Evolution: Interfacial Engineering for Improved Photocatalysis in a Charge Storing 2D Carbon Nitride: Melamine Functionalized Poly(heptazine imide) (Adv. Energy Mater. 6/2021). Advanced Energy Materials, 2021, 11, 2170028.	19.5	0
22	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
23	Transfer of 1D Photonic Crystals via Spatially Resolved Hydrophobization. Small, 2021, 17, e2007864.	10.0	8
24	Examination of possible high-pressure candidates of SnTiO <sub>3</sub> : The search for novel ferroelectric materials. APL Materials, 2021, 9, 021103.	5.1	5
25	Photonics: Transfer of 1D Photonic Crystals via Spatially Resolved Hydrophobization (Small 12/2021). Small, 2021, 17, 2170055.	10.0	0
26	Beyond templating: Electronic structure impacts of aromatic cations in organic-inorganic antimony chlorides. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 857-866.	1.2	1
27	Interplay between Valence Band Tuning and Redox Stability in SnTiO <sub>3</sub> : Implications for Directed Design of Photocatalysts. Chemistry of Materials, 2021, 33, 2824-2836.	6.7	16
28	Understanding disorder and linker deficiency in porphyrinic zirconium-based metal-organic frameworks by resolving the Zr <sub>8</sub> O <sub>6</sub> cluster conundrum in PCN-221. Nature Communications, 2021, 12, 3099.	12.8	41
29	Morphology Control in 2D Carbon Nitrides: Impact of Particle Size on Optoelectronic Properties and Photocatalysis. Advanced Functional Materials, 2021, 31, 2102468.	14.9	63
30	Polymorphie und schnelle Kalium-Ionenleitung im Phosphidosilicat KSi <sub>2</sub> P <sub>3</sub> mit T5 Supertetraedern. Angewandte Chemie, 2021, 133, 13754-13759.	2.0	2
31	Polymorphism and Fast Potassium-Ion Conduction in the T5 Supertetrahedral Phosphidosilicate KSi <sub>2</sub> P <sub>3</sub> . Angewandte Chemie - International Edition, 2021, 60, 13641-13646.	13.8	27
32	In situ monitoring of mechanochemical covalent organic framework formation reveals templating effect of liquid additive. Chem, 2021, 7, 1639-1652.	11.7	36
33	Proximate ferromagnetic state in the Kitaev model material $\pm$ -RuCl <sub>3</sub> . Nature Communications, 2021, 12, 4512.	12.8	47
34	Fast Water-Assisted Lithium Ion Conduction in Restacked Lithium Tin Sulfide Nanosheets. Chemistry of Materials, 2021, 33, 7337-7349.	6.7	5
35	Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage. Angewandte Chemie, 2021, 133, 26019-26028.	2.0	2
36	Chemical Stability and Ionic Conductivity of LGPS-Type Solid Electrolyte Tetra-Li <sub>7</sub> SiPS <sub>8</sub> after Solvent Treatment. ACS Applied Energy Materials, 2021, 4, 9932-9943.	5.1	26

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37	Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25815-25824.	13.8	11
38	Interlayer Interactions as Design Tool for Large-Pore COFs. <i>Journal of the American Chemical Society</i> , 2021, 143, 15711-15722.	13.7	60
39	Correlation between Structural Studies and the Cathodoluminescence of Individual Complex Niobate Particles. <i>ACS Applied Electronic Materials</i> , 2021, 3, 461-467.	4.3	2
40	Relaxed Current Matching Requirements in Highly Luminescent Perovskite Tandem Solar Cells and Their Fundamental Efficiency Limits. <i>ACS Energy Letters</i> , 2021, 6, 612-620.	17.4	38
41	RÄ¼cktitelbild: Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage ( <i>Angew. Chem.</i> 49/2021). <i>Angewandte Chemie</i> , 2021, 133, 26204-26204.	2.0	0
42	A flavin-inspired covalent organic framework for photocatalytic alcohol oxidation. <i>Chemical Science</i> , 2021, 12, 15143-15150.	7.4	18
43	Scalable production of nitrogen-doped carbons for multilayer lithium-sulfur battery cells. <i>Carbon</i> , 2020, 161, 190-197.	10.3	43
44	Customizing H <sub>3</sub> Sb <sub>3</sub> P <sub>2</sub> O <sub>14</sub> nanosheet sensors by reversible vapor-phase amine intercalation. <i>Nanoscale Horizons</i> , 2020, 5, 74-81.	8.0	4
45	Synthesis and Structure of the Sodium Phosphidosilicate Na <sub>2</sub> SiP <sub>2</sub> . <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 617-621.	2.0	5
46	Change in Magnetic Properties upon Chemical Exfoliation of FeOCl. <i>Inorganic Chemistry</i> , 2020, 59, 1176-1182.	4.0	25
47	Rational strain engineering in delafossite oxides for highly efficient hydrogen evolution catalysis in acidic media. <i>Nature Catalysis</i> , 2020, 3, 55-63.	34.4	124
48	Toward Standardized Photocatalytic Oxygen Evolution Rates Using RuO <sub>2</sub> @TiO <sub>2</sub> as a Benchmark. <i>Matter</i> , 2020, 3, 464-486.	10.0	21
49	Near-atomic-scale observation of grain boundaries in a layer-stacked two-dimensional polymer. <i>Science Advances</i> , 2020, 6, eabb5976.	10.3	39
50	Carbon nitride-based light-driven microswimmers with intrinsic photocharging ability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24748-24756.	7.1	51
51	Atomic Resolution Observation of the Oxidation of Niobium Oxide Nanowires: Implications for Renewable Energy Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 9285-9292.	5.0	4
52	Solving the COF trilemma: towards crystalline, stable and functional covalent organic frameworks. <i>Chemical Society Reviews</i> , 2020, 49, 8469-8500.	38.1	315
53	Holey Heterographenes Made to Order: "Green" Synthesis of Porous Graphitic Frameworks. <i>CheM</i> , 2020, 6, 812-814.	11.7	1
54	Ionothermal Synthesis of Imide-Linked Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15750-15758.	13.8	158

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55	Ionothermal Synthesis of Imide-Linked Covalent Organic Frameworks. <i>Angewandte Chemie</i> , 2020, 132, 15880-15888.	2.0	20
56	Rational Design of Covalent Cobaloxime-Covalent Organic Framework Hybrids for Enhanced Photocatalytic Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2020, 142, 12146-12156.	13.7	123
57	How photocorrosion can trick you: a detailed study on low-bandgap Li doped CuO photocathodes for solar hydrogen production. <i>Nanoscale</i> , 2020, 12, 7766-7775.	5.6	18
58	In-Situ Generation of Electrolyte inside Pyridine-Based Covalent Triazine Frameworks for Direct Supercapacitor Integration. <i>ChemSusChem</i> , 2020, 13, 3192-3198.	6.8	14
59	Total scattering reveals the hidden stacking disorder in a 2D covalent organic framework. <i>Chemical Science</i> , 2020, 11, 12647-12654.	7.4	80
60	Finding the Right Blend: Interplay Between Structure and Sodium Ion Conductivity in the System Na <sub>5</sub> AlS <sub>4</sub> -Na <sub>4</sub> SiS <sub>4</sub> . <i>Frontiers in Chemistry</i> , 2020, 8, 90.	3.6	19
61	Structural Evolution of Ni-Based Co-Catalysts on [Ca <sub>2</sub> Nb <sub>3</sub> O <sub>10</sub> ] <sup>2-</sup> Nanosheets during Heating and Their Photocatalytic Properties. <i>Catalysts</i> , 2020, 10, 13.	3.5	9
62	How Certain Are the Reported Ionic Conductivities of Thiophosphate-Based Solid Electrolytes? An Interlaboratory Study. <i>ACS Energy Letters</i> , 2020, 5, 910-915.	17.4	98
63	Enhancing Hydrogen Evolution Activity of Au(111) in Alkaline Media through Molecular Engineering of a 2D Polymer. <i>Angewandte Chemie</i> , 2020, 132, 8489-8493.	2.0	1
64	Lanthanide orthothiophosphates revisited: single-crystal X-ray, Raman, and DFT studies of TmPS <sub>4</sub> and YbPS <sub>4</sub> . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2020, 75, 225-231.	0.7	9
65	Enhancing Hydrogen Evolution Activity of Au(111) in Alkaline Media through Molecular Engineering of a 2D Polymer. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8411-8415.	13.8	15
66	Mechanistic Insights into the Role of Covalent Triazine Frameworks as Cathodes in Lithium-Sulfur Batteries. <i>Batteries and Supercaps</i> , 2020, 3, 1069-1079.	4.7	14
67	Structural Insights into Poly(Heptazine Imides): A Light-Storing Carbon Nitride Material for Dark Photocatalysis. <i>Chemistry of Materials</i> , 2019, 31, 7478-7486.	6.7	151
68	Lesson Learned from NMR: Characterization and Ionic Conductivity of LGPS-like Li <sub>7</sub> SiPS <sub>8</sub> . <i>Chemistry of Materials</i> , 2019, 31, 1280-1288.	6.7	57
69	Short-Range Structural Correlations in Amorphous 2D Polymers. <i>ChemPhysChem</i> , 2019, 20, 2340-2347.	2.1	8
70	Sustained Solar H <sub>2</sub> Evolution from a Thiazolo[5,4-d]thiazole-Bridged Covalent Organic Framework and Nickel-Thiolate Cluster in Water. <i>Journal of the American Chemical Society</i> , 2019, 141, 11082-11092.	13.7	239
71	Sub-stoichiometric 2D covalent organic frameworks from tri- and tetratopic linkers. <i>Nature Communications</i> , 2019, 10, 2689.	12.8	83
72	Spin-Split Band Hybridization in Graphene Proximitized with $\pm$ -RuCl <sub>3</sub> Nanosheets. <i>Nano Letters</i> , 2019, 19, 4659-4665.	9.1	62

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73	Utilizing Chemical Intuition in the Search for New Quantum Materials. ACS Central Science, 2019, 5, 750-752.	11.3	2
74	Selective host-guest interactions in metal-organic frameworks via multiple hydrogen bond donor-acceptor recognition sites. Journal of Materials Chemistry A, 2019, 7, 10379-10388.	10.3	25
75	Photonic nanoarchitectonics with stimuli-responsive 2D materials. Molecular Systems Design and Engineering, 2019, 4, 566-579.	3.4	21
76	Ruthenium Oxide Nanosheets for Enhanced Oxygen Evolution Catalysis in Acidic Medium. Advanced Energy Materials, 2019, 9, 1803795.	19.5	147
77	Molecular Insights into Carbon Dioxide Sorption in Hydrazone-Based Covalent Organic Frameworks with Tertiary Amine Moieties. Chemistry of Materials, 2019, 31, 1946-1955.	6.7	71
78	Charge Density Waves and Magnetism in Topological Semimetal Candidates $\text{GdSbTe}_2$ . Advanced Quantum Technologies, 2019, 2, 1900045.	3.9	27
79	New Light on an Old Story: The Crystal Structure of Boron Tetrathiosphosphate Revisited. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 267-271.	1.2	11
80	The effect of spin-orbit coupling on nonsymmorphic square-net compounds. Journal of Physics and Chemistry of Solids, 2019, 128, 296-300.	4.0	16
81	Magneto-optical probe of the fully gapped Dirac band in ZrSiS. Physical Review Research, 2019, 1, .	3.6	9
82	Tunable Weyl and Dirac states in the nonsymmorphic compound CeSbTe. Science Advances, 2018, 4, eaar2317.	10.3	110
83	Bottom-up Formation of Carbon-Based Structures with Multilevel Hierarchy from MOF-Guest Polyhedra. Journal of the American Chemical Society, 2018, 140, 6130-6136.	13.7	87
84	Humidity Sensors: Lithium Tin Sulfide-a High-Refractive-Index 2D Material for Humidity-Responsive Photonic Crystals (Adv. Funct. Mater. 14/2018). Advanced Functional Materials, 2018, 28, 1870094.	14.9	1
85	Fast Sodium-Ion Conductivity in Supertetrahedral Phosphidosilicates. Angewandte Chemie, 2018, 130, 6263-6268.	2.0	29
86	Fast Sodium-Ion Conductivity in Supertetrahedral Phosphidosilicates. Angewandte Chemie - International Edition, 2018, 57, 6155-6160.	13.8	34
87	Chemical Principles of Topological Semimetals. Chemistry of Materials, 2018, 30, 3155-3176.	6.7	166
88	Electrical Transport Signature of the Magnetic Fluctuation-Structure Relation in $\text{Ir-RuCl}_3$ Nanoflakes. Nano Letters, 2018, 18, 3203-3208.	9.1	28
89	On-Surface Polymerization of 1,6-Dibromo-3,8-diiodopyrene-A Comparative Study on Au(111) Versus Ag(111) by STM, XPS, and NEXAFS. Journal of Physical Chemistry C, 2018, 122, 5967-5977.	3.1	29
90	Lithium Tin Sulfide-a High-Refractive-Index 2D Material for Humidity-Responsive Photonic Crystals. Advanced Functional Materials, 2018, 28, 1705740.	14.9	40

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91	Toward an Aqueous Solar Battery: Direct Electrochemical Storage of Solar Energy in Carbon Nitrides. <i>Advanced Materials</i> , 2018, 30, 1705477.	21.0	110
92	H <sub>2</sub> Evolution with Covalent Organic Framework Photocatalysts. <i>ACS Energy Letters</i> , 2018, 3, 400-409.	17.4	318
93	Vapor-Phase Amine Intercalation for the Rational Design of Photonic Nanosheet Sensors. <i>Chemistry of Materials</i> , 2018, 30, 2557-2565.	6.7	9
94	Improving analyte selectivity by post-assembly modification of metal-organic framework based photonic crystal sensors. <i>Nanoscale Horizons</i> , 2018, 3, 383-390.	8.0	33
95	Unconventional mass enhancement around the Dirac nodal loop in ZrSiS. <i>Nature Physics</i> , 2018, 14, 178-183.	16.7	129
96	IrOOH nanosheets as acid stable electrocatalysts for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21558-21566.	10.3	72
97	Synthesis and Characterization of Three New Lithium-Scandium Hexathiohypodiphosphates: Li <sub>4</sub> X <sub>3</sub> Sc <sub>x</sub> P <sub>2</sub> S <sub>6</sub> (x = 0.358), LiScP <sub>2</sub> S <sub>6</sub> , and LiScP <sub>2</sub> S <sub>6</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 1854-1862.	1.2	3
98	Structure-Directing Lone Pairs: Synthesis and Structural Characterization of SnTiO <sub>3</sub> . <i>Chemistry of Materials</i> , 2018, 30, 8932-8938.	6.7	27
99	The wetter the better. <i>Nature Chemistry</i> , 2018, 10, 1175-1177.	13.6	28
100	Directly photoexcited Dirac and Weyl fermions in ZrSiS and NbAs. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	13
101	Tracking Molecular Diffusion in One-Dimensional Photonic Crystals. <i>Advanced Materials</i> , 2018, 30, e1803730.	21.0	14
102	Tailor-Made Photoconductive Pyrene-Based Covalent Organic Frameworks for Visible-Light Driven Hydrogen Generation. <i>Advanced Energy Materials</i> , 2018, 8, 1703278.	19.5	148
103	Topochemical conversion of an imine- into a thiazole-linked covalent organic framework enabling real-structure analysis. <i>Nature Communications</i> , 2018, 9, 2600.	12.8	232
104	Completing the Picture of 2-(Aminomethylpyridinium) Lead Hybrid Perovskites: Insights into Structure, Conductivity Behavior, and Optical Properties. <i>Chemistry of Materials</i> , 2018, 30, 6289-6297.	6.7	32
105	New horizons for inorganic solid state ion conductors. <i>Energy and Environmental Science</i> , 2018, 11, 1945-1976.	30.8	894
106	Temperature-dependent magnetic anisotropy in the layered magnetic semiconductors Cr <sub>3</sub> and CrB <sub>3</sub> and	2.4	70
107	Photocatalytic Oxidation of Sulfinates to Vinyl Sulfones with Cyanamide-Functionalised Carbon Nitride. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2179-2185.	2.4	43
108	Structural Stability Diagram of ALnP <sub>2</sub> S <sub>6</sub> Compounds (A = Na, K, Rb, Cs; Ln =) Tj ETQq0 0 0 rgBT /Overlock 10	4.08	33

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109	Urea-Modified Carbon Nitrides: Enhancing Photocatalytic Hydrogen Evolution by Rational Defect Engineering. <i>Advanced Energy Materials</i> , 2017, 7, 1602251.	19.5	238
110	Structure-property-activity relationships in a pyridine containing azine-linked covalent organic framework for photocatalytic hydrogen evolution. <i>Faraday Discussions</i> , 2017, 201, 247-264.	3.2	97
111	Tuning the stacking behaviour of a 2D covalent organic framework through non-covalent interactions. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1354-1361.	5.9	95
112	A New Fabrication Method for Single-Layer Nanosheets by Silver-Assisted Exfoliation. <i>ChemNanoMat</i> , 2017, 3, 411-414.	2.8	9
113	Thermodynamic Equilibria in Carbon Nitride Photocatalyst Materials and Conditions for the Existence of Graphitic Carbon Nitride $g\text{-C}_3\text{N}_4$ . <i>Chemistry of Materials</i> , 2017, 29, 4445-4453.	6.7	58
114	Toward Tunable Photonic Nanosheet Sensors: Strong Influence of the Interlayer Cation on the Sensing Characteristics. <i>Advanced Materials</i> , 2017, 29, 1604884.	21.0	16
115	Photocatalytic Nanosheet Lithography: Photolithography based on Organically Modified Photoactive 2D Nanosheets. <i>Angewandte Chemie</i> , 2017, 129, 8509-8512.	2.0	5
116	Photocatalytic Nanosheet Lithography: Photolithography based on Organically Modified Photoactive 2D Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8389-8392.	13.8	16
117	ZIF-8 Films Prepared by Femtosecond Pulsed-Laser Deposition. <i>Chemistry of Materials</i> , 2017, 29, 5148-5155.	6.7	22
118	Dark Photocatalysis: Storage of Solar Energy in Carbon Nitride for Time-Delayed Hydrogen Generation. <i>Angewandte Chemie</i> , 2017, 129, 525-529.	2.0	54
119	Dark Photocatalysis: Storage of Solar Energy in Carbon Nitride for Time-Delayed Hydrogen Generation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 510-514.	13.8	204
120	Fluorescent Humidity Sensors Based on Photonic Resonators. <i>Advanced Optical Materials</i> , 2017, 5, 1700663.	7.3	28
121	Single-Site Photocatalytic $\text{H}_2$ Evolution from Covalent Organic Frameworks with Molecular Cobaloxime Co-Catalysts. <i>Journal of the American Chemical Society</i> , 2017, 139, 16228-16234.	13.7	292
122	Functional Engineering of Perovskite Nanosheets: Impact of Lead Substitution on Exfoliation in the Solid Solution $\text{RbCa}_2\text{Pb}_x\text{Nb}_3\text{O}_{10}$ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1668-1680.	1.2	6
123	Trivalent Iridium Oxides: Layered Triangular Lattice Iridate $\text{K}_{0.75}\text{Na}_{0.25}\text{IrO}_2$ and Oxyhydroxide $\text{IrOOH}$ . <i>Chemistry of Materials</i> , 2017, 29, 8338-8345.	6.7	35
124	Similar ultrafast dynamics of several dissimilar Dirac and Weyl semimetals. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	33
125	The First Quinary Rare Earth Thiophosphates: $\text{Cs}_5\text{Ln}_3\text{X}_3(\text{P}_2\text{S}_6)_2(\text{PS}_4)$ (Ln= La, Ce, X= Br, Cl) and the Quasi-Quaternary $\text{Cs}_{10}\text{Y}_4\text{Cl}_{10}(\text{P}_2\text{S}_6)_3$ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1818-1823.	1.2	14
126	Flat Optical Conductivity in $\text{ZrSiS}$ due to Two-Dimensional Dirac Bands. <i>Physical Review Letters</i> , 2017, 119, 187401.	7.8	68



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127	Relevance of solid electrolytes for lithium-based batteries: A realistic view. Journal of Electroceramics, 2017, 38, 128-141.	2.0	94
128	Surface Floating 2D Bands in Layered Nonsymmorphic Semimetals: ZrSiS and Related Compounds. Physical Review X, 2017, 7, .	8.9	48
129	Ultra-thin relative humidity sensors for hybrid system-in-foil applications. , 2017, , .		9
130	Soft Photocatalysis: Organic Polymers for Solar Fuel Production. Chemistry of Materials, 2016, 28, 5191-5204.	6.7	208
131	Towards the Nanosheetâ€Based Photonic Nose: Vapor Recognition and Trace Water Sensing with Antimony Phosphate Thin Film Devices. Advanced Materials, 2016, 28, 7436-7442.	21.0	38
132	Synthesis and Characterization of Copper Hexathiometadiphosphate $\text{Cu}_2\text{P}_2\text{S}_6$ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 356-360.	1.2	12
133	Benzimidazolium Lead Halide Perovskites: Effects of Anion Substitution and Dimensionality on the Bandgap. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1369-1376.	1.2	29
134	Non-symmorphic band degeneracy at the Fermi level in ZrSiTe. New Journal of Physics, 2016, 18, 125014.	2.9	88
135	Butterfly magnetoresistance, quasi-2D Dirac Fermi surface and topological phase transition in ZrSiS. Science Advances, 2016, 2, e1601742.	10.3	182
136	Band Gap Extraction from Individual Two-Dimensional Perovskite Nanosheets Using Valence Electron Energy Loss Spectroscopy. Journal of Physical Chemistry C, 2016, 120, 11170-11179.	3.1	36
137	Magnetic Properties of Restacked 2D Spin 1/2 honeycomb $\text{RuCl}_3$ Nanosheets. Nano Letters, 2016, 16, 3578-3584.	9.1	89
138	Homonuclear Mixedâ€Valent Cobalt Imidazolate Framework for Oxygenâ€Evolution Electrocatalysis. Chemistry - A European Journal, 2016, 22, 3676-3680.	3.3	41
139	$\text{Li}_{0.6}[\text{Li}_{0.2}\text{Sn}_{0.8}\text{S}_2]$ â€ a layered lithium superionic conductor. Energy and Environmental Science, 2016, 9, 2578-2585.	30.8	46
140	Selectivity, cycling stability and temperature dependence of touchless finger motion tracking devices based on 1D photonic crystals. Proceedings of SPIE, 2016, , .	0.8	0
141	Humidity Sensing: Towards the Nanosheetâ€Based Photonic Nose: Vapor Recognition and Trace Water Sensing with Antimony Phosphate Thin Film Devices (Adv. Mater. 34/2016). Advanced Materials, 2016, 28, 7294-7294.	21.0	4
142	Toward Fluorinated Spacers for MAPI-Derived Hybrid Perovskites: Synthesis, Characterization, and Phase Transitions of $(\text{FC}_2\text{H}_4\text{NH}_3)_2\text{PbCl}_4$ . Chemistry of Materials, 2016, 28, 6560-6566.	6.7	74
143	Exploiting Noncovalent Interactions in an Imineâ€Based Covalent Organic Framework for Quercetin Delivery. Advanced Materials, 2016, 28, 8749-8754.	21.0	302
144	Copper Selenidophosphates $\text{Cu}_4\text{P}_2\text{Se}_6$ , $\text{Cu}_4\text{P}_3\text{Se}_4$ , $\text{Cu}_4\text{P}_4\text{Se}_3$ , and $\text{Cu}_2\text{P}_2\text{Se}_4$ , Featuring Zero-, One-, and Two-Dimensional Anions. Inorganic Chemistry, 2016, 55, 8031-8040.	4.0	4

#	ARTICLE	IF	CITATIONS
145	Titanium Doping and Its Effect on the Morphology of Three-Dimensional Hierarchical Nb <sub>3</sub> O <sub>7</sub> (OH) Nanostructures for Enhanced Light-Induced Water Splitting. Chemistry of Materials, 2016, 28, 7666-7672.	6.7	8
146	Tuning the magnetoresistance of ultrathin WTe <sub>2</sub> sheets by electrostatic gating. Nanoscale, 2016, 8, 18703-18709.	5.6	24
147	Dirac cone protected by non-symmorphic symmetry and three-dimensional Dirac line node in ZrSiS. Nature Communications, 2016, 7, 11696.	12.8	591
148	Rational design of carbon nitride photocatalysts by identification of cyanamide defects as catalytically relevant sites. Nature Communications, 2016, 7, 12165.	12.8	586
149	Solar-Driven Reduction of Aqueous Protons Coupled to Selective Alcohol Oxidation with a Carbon Nitride-Molecular Ni Catalyst System. Journal of the American Chemical Society, 2016, 138, 9183-9192.	13.7	285
150	Thermodynamics of the Segregation of a Kinetically Trapped Two-Dimensional Amorphous Metal-Organic Network. Journal of Physical Chemistry C, 2016, 120, 4403-4409.	3.1	12
151	Touchless Optical Finger Motion Tracking Based on 2D Nanosheets with Giant Moisture Responsiveness. Advanced Materials, 2015, 27, 6341-6348.	21.0	86
152	Nitrogen-Rich Covalent Triazine Frameworks as High-Performance Platforms for Selective Carbon Capture and Storage. Chemistry of Materials, 2015, 27, 8001-8010.	6.7	228
153	Surfactant-directed syntheses of mesostructured zinc imidazoles: formation mechanism and structural insights. CrystEngComm, 2015, 17, 463-470.	2.6	14
154	Structural study of growth, orientation and defects characteristics in the functional microelectromechanical system material aluminium nitride. Journal of Applied Physics, 2015, 117, 014301.	2.5	10
155	Bringing one-dimensional photonic crystals to a new light: an electrophotonic platform for chemical mass transport visualisation and cell monitoring. Materials Horizons, 2015, 2, 299-308.	12.2	23
156	Tandem MOF-Based Photonic Crystals for Enhanced Analyte-Specific Optical Detection. Chemistry of Materials, 2015, 27, 1961-1970.	6.7	94
157	Electronically coupled hybrid structures by graphene oxide directed self-assembly of Cu <sub>2</sub> S nanocrystals. Nanoscale, 2015, 7, 6675-6682.	5.6	9
158	Lithium Charge Storage Mechanisms of Cross-Linked Triazine Networks and Their Porous Carbon Derivatives. Chemistry of Materials, 2015, 27, 3821-3829.	6.7	53
159	Threshold-voltage control and enhancement-mode characteristics in multilayer tin disulfide field-effect transistors by gate-oxide passivation with an alkylphosphonic acid self-assembled monolayer. Journal of Applied Physics, 2015, 117, 104509.	2.5	14
160	Synthesis of Triazine-Based Materials by Functionalization with Alkynes. Chemistry - A European Journal, 2015, 21, 7866-7873.	3.3	9
161	Organic polymers form fuel from water. Nature, 2015, 521, 41-42.	27.8	76
162	Vertical 2D Heterostructures. Annual Review of Materials Research, 2015, 45, 85-109.	9.3	153

#	ARTICLE	IF	CITATIONS
163	A tunable azine covalent organic framework platform for visible light-induced hydrogen generation. <i>Nature Communications</i> , 2015, 6, 8508.	12.8	940
164	Tunable Water and CO <sub>2</sub> Sorption Properties in Isostructural Azine-Based Covalent Organic Frameworks through Polarity Engineering. <i>Chemistry of Materials</i> , 2015, 27, 7874-7881.	6.7	192
165	Facile Fabrication of Ultrathin Metal-Organic Framework-Coated Monolayer Colloidal Crystals for Highly Efficient Vapor Sensing. <i>Chemistry of Materials</i> , 2015, 27, 7601-7609.	6.7	67
166	1D photonic defect structures based on colloidal porous frameworks: Reverse pore engineering and vapor sorption. <i>Microporous and Mesoporous Materials</i> , 2015, 216, 216-224.	4.4	13
167	Phenyl-triazine oligomers for light-driven hydrogen evolution. <i>Energy and Environmental Science</i> , 2015, 8, 3345-3353.	30.8	238
168	Low-Molecular-Weight Carbon Nitrides for Solar Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2015, 137, 1064-1072.	13.7	321
169	Photocatalytic Hydrogen Production using Polymeric Carbon Nitride with a Hydrogenase and a Bioinspired Synthetic Ni Catalyst. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11538-11542.	13.8	170
170	Synthesis and Structural Characterization of the Alkali Thiophosphates Na <sub>2</sub> P <sub>2</sub> S <sub>6</sub> , Na <sub>4</sub> P <sub>2</sub> S <sub>6</sub> , K <sub>4</sub> P <sub>2</sub> S <sub>6</sub> , and Rb <sub>4</sub> P <sub>2</sub> S <sub>6</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 689-692.	1.2	34
171	Photocatalytic Hydrogen Production using Polymeric Carbon Nitride with a Hydrogenase and a Bioinspired Synthetic Ni Catalyst. <i>Angewandte Chemie</i> , 2014, 126, 11722-11726.	2.0	38
172	A facile wet chemistry approach towards unilamellar tin sulfide nanosheets from Li <sub>4</sub> Sn <sub>1-x</sub> S <sub>2</sub> solid solutions. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6100-6106.	10.3	38
173	A hydrazone-based covalent organic framework for photocatalytic hydrogen production. <i>Chemical Science</i> , 2014, 5, 2789-2793.	7.4	847
174	New Light on an Old Story: Perovskites Go Solar. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 635-637.	13.8	175
175	Optical gap in herringbone and $\pi$ -stacked crystals of [1]benzothieno[3,2-b]benzothiophene and its brominated derivative. <i>CrystEngComm</i> , 2014, 16, 7389-7392.	2.6	37
176	Tin disulfide (SnS <sub>2</sub> ) thin-film field-effect transistors. , 2014, , .		1
177	A fluorene based covalent triazine framework with high CO <sub>2</sub> and H <sub>2</sub> capture and storage capacities. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5928-5936.	10.3	159
178	A step towards the electrophotonic nose: integrating 1D photonic crystals with organic light-emitting diodes and photodetectors. <i>Laser and Photonics Reviews</i> , 2014, 8, 726-733.	8.7	28
179	Analyte Detection with Cu-BTC Metal-Organic Framework Thin Films by Means of Mass-Sensitive and Work-Function-Based Readout. <i>Analytical Chemistry</i> , 2014, 86, 6948-6958.	6.5	70
180	A new ultrafast superionic Li-conductor: ion dynamics in Li <sub>11</sub> Si <sub>2</sub> PS <sub>12</sub> and comparison with other tetragonal LGPS-type electrolytes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 14669-14674.	2.8	256

#	ARTICLE	IF	CITATIONS
181	Crystalline Carbon Nitride Nanosheets for Improved Visible-Light Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2014, 136, 1730-1733.	13.7	614
182	In Search of Aluminum Hexathiohypodiphosphate: Synthesis and Structures of $\text{AlPS}_4$ , $\text{AlPS}_4$ , and $\text{Al}_4(\text{P}_2\text{S}_6)_3$ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 2663-2668.	1.2	18
183	Triazine-based Carbon Nitriles for Visible-Light-Driven Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2435-2439.	13.8	401
184	Biogenic metal-organic frameworks: 2,5-Furandicarboxylic acid as versatile building block. <i>Microporous and Mesoporous Materials</i> , 2013, 181, 217-221.	4.4	40
185	Tetragonal $\text{Li}_{10}\text{GeP}_2\text{S}_{12}$ and $\text{Li}_7\text{GePS}_8$ – exploring the Li ion dynamics in LGPS Li electrolytes. <i>Energy and Environmental Science</i> , 2013, 6, 3548.	30.8	223
186	Additive-mediated size control of MOF nanoparticles. <i>CrystEngComm</i> , 2013, 15, 9296.	2.6	69
187	Single-crystal X-ray structure analysis of the superionic conductor $\text{Li}_{10}\text{GeP}_2\text{S}_{12}$ . <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11620.	2.8	121
188	Bottom-up assembly of photonic crystals. <i>Chemical Society Reviews</i> , 2013, 42, 2528-2554.	38.1	606
189	Low-Cost Thermo-Optic Imaging Sensors: A Detection Principle Based on Tunable One-Dimensional Photonic Crystals. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 1575-1582.	8.0	41
190	Cationically Charged $\text{Mn}^{\text{II}}\text{Al}^{\text{III}}$ LDH Nanosheets by Chemical Exfoliation and Their Use As Building Blocks in Graphene Oxide-Based Materials. <i>Langmuir</i> , 2013, 29, 9199-9207.	3.5	43
191	Ultrathin 2D Coordination Polymer Nanosheets by Surfactant-Mediated Synthesis. <i>Journal of the American Chemical Society</i> , 2013, 135, 6157-6164.	13.7	173
192	Electronic structure of $\text{KCa}_2\text{Nb}_3\text{O}_{10}$ . <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> display="inline" $\langle \text{mml:msub} \langle \text{mml:mrow} / \rangle \langle \text{mml:mn} \rangle 2 \langle / \text{mml:mn} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle \text{Nb} \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \langle \text{mml:mrow} / \rangle \langle \text{mml:mn} \rangle 3 \langle / \text{mml:mn} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle \text{O} \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \langle \text{mml:mrow} / \rangle \langle \text{mml:mn} \rangle 2 \langle / \text{mml:mn} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle \text{S} \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \langle \text{mml:mrow} / \rangle \langle \text{mml:mn} \rangle 6 \langle / \text{mml:mn} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle$	3.2	18
193	Synthesis and Crystal Structures of the Alkali Aluminium Thiohypodiphosphates $\text{M}^{\text{I}}\text{Al}_2\text{S}_6$ (M = Li, Na). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1087-1089.	1.2	18
194	Artificial Solids by Design: Assembly and Electron Microscopy Study of Nanosheet-Derived Heterostructures. <i>Chemistry of Materials</i> , 2013, 25, 4892-4900.	6.7	29
195	Tunable thermoresponsive $\text{TiO}_2/\text{SiO}_2$ Bragg stacks based on sol-gel fabrication methods. <i>Journal of Intelligent Material Systems and Structures</i> , 2013, 24, 2204-2214.	2.5	5
196	Nanomorphology tuning of the thermal response of $\text{TiO}_2/\text{SiO}_2$ Bragg stacks. <i>Canadian Journal of Chemistry</i> , 2012, 90, 1069-1077.	1.1	4
197	Stimuli-responsive 2D polyelectrolyte photonic crystals for optically encoded pH sensing. <i>Chemical Communications</i> , 2012, 48, 6169.	4.1	62
198	Synthetic routes toward MOF nanomorphologies. <i>Journal of Materials Chemistry</i> , 2012, 22, 10119.	6.7	176

#	ARTICLE	IF	CITATIONS
199	Humidity-Enhanced Thermally Tunable TiO <sub>2</sub> /SiO <sub>2</sub> Bragg Stacks. Journal of Physical Chemistry C, 2012, 116, 298-305.	3.1	92
200	A functional triazine framework based on N-heterocyclic building blocks. Journal of Materials Chemistry, 2012, 22, 13956.	6.7	118
201	One-dimensional metal-organic framework photonic crystals used as platforms for vapor sorption. Journal of Materials Chemistry, 2012, 22, 10356.	6.7	144
202	Towards Mesoporous Zinc Imidazolate Frameworks. Chemistry - A European Journal, 2012, 18, 2143-2152.	3.3	27
203	Self-assembly of melem on Ag(111)-emergence of porous structures based on amino-heptazine hydrogen bonds. CrystEngComm, 2011, 13, 5559.	2.6	17
204	Poly(triazine imide) with Intercalation of Lithium and Chloride Ions [(C <sub>3</sub> N <sub>3</sub> ) <sub>2</sub> (NH) <sub>x</sub> Li <sub>1-x</sub> ] <sub>3</sub> ...LiCl] <sub>283</sub> A Crystalline 2D Carbon Nitride Network. Chemistry - A European Journal, 2011, 17, 3213-3221.	3.3	283
205	Stimuli-responsive Bragg stacks for chemo-optical sensing applications. , 2010, , .		7
206	Tackling the stacking disorder of melon structure elucidation in a semicrystalline material. Physical Chemistry Chemical Physics, 2010, 12, 2227.	2.8	60
207	Stacking the Nanochemistry Deck: Structural and Compositional Diversity in One-Dimensional Photonic Crystals. Advanced Materials, 2009, 21, 1641-1646.	21.0	223
208	Nanofabrication by self-assembly. Materials Today, 2009, 12, 12-23.	14.2	268
209	A Step Towards Optically Encoded Silver Release in 1D Photonic Crystals. Small, 2009, 5, 1498-1503.	10.0	33
210	Vapor-Sensitive Bragg Mirrors and Optical Isotherms from Mesoporous Nanoparticle Suspensions. ACS Nano, 2009, 3, 1669-1676.	14.6	83
211	Cross-Linking Bi <sub>2</sub> S <sub>3</sub> Ultrathin Nanowires: A Platform for Nanostructure Formation and Biomolecule Detection. Nano Letters, 2009, 9, 1482-1486.	9.1	75
212	Structure elucidation of polyheptazine imide by electron diffraction—a templated 2D carbon nitride network. Chemical Communications, 2009, , 1541.	4.1	104
213	Poly(heptazinimid) —ein kovalentes 2D-Polymeres Kohlenstoffnitrid-Netzwerk. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2014-2014.	1.2	0
214	Clay Bragg Stack Optical Sensors. Advanced Materials, 2008, 20, 4079-4084.	21.0	139
215	Photonic Clays: A New Family of Functional 1D Photonic Crystals. ACS Nano, 2008, 2, 2065-2074.	14.6	105
216	All-Clay Photonic Crystals. Journal of the American Chemical Society, 2008, 130, 15252-15253.	13.7	34

#	ARTICLE	IF	CITATIONS
217	Structural Investigation of a Layered Carbon Nitride Polymer by Electron Diffraction Combined with Powder X-ray Diffraction, NMR and Theoretical Calculations. <i>Microscopy and Microanalysis</i> , 2007, 13, 122-123.	0.4	2
218	Reorientational Dynamics and Solid-Phase Transformation of Ammonium Dicyanamide into Dicyandiamide: A Solid-State NMR Study. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11680-11691.	2.6	9
219	New Light on an Old Story: Formation of Melam during Thermal Condensation of Melamine. <i>Chemistry - A European Journal</i> , 2007, 13, 4956-4968.	3.3	224
220	Rare-Earth Tricyanomelaminates $[\text{NH}_4]\text{Ln}[\text{HC}_6\text{N}_9]_2[\text{H}_2\text{O}]_7 \cdot x\text{H}_2\text{O}$ (Ln=La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy): Structural Investigation, Solid-State NMR Spectroscopy, and Photoluminescence. <i>Chemistry - A European Journal</i> , 2007, 13, 3512-3524.	3.3	25
221	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.	3.3	778
222	The Crystal Structures of Two Novel Metal Tricyanomelaminates: Diammonium Tricyanomelamine Dihydrate $[\text{NH}_4]_2[\text{C}_6\text{N}_9\text{H}] \cdot 2\text{H}_2\text{O}$ and Dimelaminium Tricyanomelamine Melamine Dihydrate $[\text{C}_3\text{N}_6\text{H}_7]_2[\text{C}_6\text{N}_9\text{H}] \cdot \text{C}_3\text{N}$ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 1435-1441.	1.2	12
223	From Triazines to Heptazines: Novel Nonmetal Tricyanomelaminates as Precursors for Graphitic Carbon Nitride Materials. <i>Chemistry of Materials</i> , 2006, 18, 1891-1900.	6.7	203
224	Synthesis and Structural Characterization of the Ammelinium Salts $[\text{C}_3\text{H}_6\text{N}_5\text{O}]\text{Cl}$ , $[\text{C}_3\text{H}_6\text{N}_5\text{O}]\text{Br}$ , and $[\text{C}_3\text{H}_6\text{N}_5\text{O}]\text{NO}_3$ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006, 632, 1457-1464.	1.2	9
225	Crystal Structure of Guanylurea Sulphate Hydrate $[\text{H}_2\text{NC}(=\text{O})\text{NHC}(\text{NH}_2)_2]_2\text{SO}_4 \cdot 2\text{H}_2\text{O}$ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 2967-2969.	1.2	6
226	Catalytic Formation and Crystal Structure of Cyanoguanlylurea $\text{H}_2\text{NC}(=\text{O})\text{NHC}(\text{NH}_2)_2\text{NCN}$ . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2005, 60, 377-382.	0.7	3
227	Thermal Conversion of Guanylurea Dicyanamide into Graphitic Carbon Nitride via Prototype $\text{CN}_x$ Precursors. <i>Chemistry of Materials</i> , 2005, 17, 3976-3982.	6.7	96
228	Towards novel C-N materials: crystal structures of two polymorphs of guanidinium dicyanamide and their thermal conversion into melamine. <i>New Journal of Chemistry</i> , 2004, 28, 1129-1136.	2.8	39
229	Characterization of the Thermally Induced Topochemical Solid-State Transformation of $\text{NH}_4[\text{N}(\text{CN})_2]$ into $\text{NCNC}(\text{NH}_2)_2$ 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.	4.0	38
230	Investigation of structural and dynamic properties of $\text{NH}_4[\text{N}(\text{CN})_2]$ 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.	2.9	28
231	Cobalt(I)-catalyzed Neutral Diels-Alder Reactions of Oxygen-functionalized Acyclic 1,3-Dienes with Alkynes. <i>Synlett</i> , 2002, 2002, 1081-1084.	1.8	35
232	Separation of nucleoside monophosphates using preferential anion exchange intercalation in layered double hydroxides. <i>Solid State Sciences</i> , 2001, 3, 883-886.	3.2	54