

Bettina Lotsch

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3877144/bettina-lotsch-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

224
papers

14,875
citations

62
h-index

118
g-index

249
ext. papers

17,851
ext. citations

11.2
avg, IF

7.14
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 224 | 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 | 18.6 | 13 |
| 223 | Unveiling the complex configurational landscape of the intralayer cavities in a crystalline carbon nitride.. <i>Chemical Science</i> , 2022 , 13, 3187-3193 | 9.4 | 0 |
| 222 | Direct and Linker-Exchange Alcohol-Assisted Hydrothermal Synthesis of Imide-Linked Covalent Organic Frameworks.. <i>Chemistry of Materials</i> , 2022 , 34, 2249-2258 | 9.6 | 2 |
| 221 | Superionic Conduction in the Plastic Crystal Polymorph of NaPS.. <i>ACS Energy Letters</i> , 2022 , 7, 1403-1411 | 20.1 | 3 |
| 220 | 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 | 5.3 | 1 |
| 219 | Conductivity mechanism in ionic 2D carbon nitrides: from hydrated ion motion to enhanced photocatalysis. <i>Advanced Materials</i> , 2021 , e2107061 | 24 | 10 |
| 218 | A flavin-inspired covalent organic framework for photocatalytic alcohol oxidation.. <i>Chemical Science</i> , 2021 , 12, 15143-15150 | 9.4 | 2 |
| 217 | Rücktitelbild: Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage (Angew. Chem. 49/2021). <i>Angewandte Chemie</i> , 2021 , 133, 26204 | 3.6 | |
| 216 | Photonics: Transfer of 1D Photonic Crystals via Spatially Resolved Hydrophobization (Small 12/2021). <i>Small</i> , 2021 , 17, 2170055 | 11 | |
| 215 | Beyond templating: Electronic structure impacts of aromatic cations in organo-inorganic antimony chlorides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 857-866 | 1.3 | |
| 214 | Interplay between Valence Band Tuning and Redox Stability in SnTiO ₃ : Implications for Directed Design of Photocatalysts. <i>Chemistry of Materials</i> , 2021 , 33, 2824-2836 | 9.6 | 5 |
| 213 | Understanding disorder and linker deficiency in porphyrinic zirconium-based metal-organic frameworks by resolving the ZrO cluster conundrum in PCN-221. <i>Nature Communications</i> , 2021 , 12, 3099 | 17.4 | 14 |
| 212 | Morphology Control in 2D Carbon Nitrides: Impact of Particle Size on Optoelectronic Properties and Photocatalysis. <i>Advanced Functional Materials</i> , 2021 , 31, 2102468 | 15.6 | 18 |
| 211 | Polymorphie und schnelle Kalium-Ionenleitung im Phosphidosilicat KSi ₂ P ₃ mit T5 Supertetraedern. <i>Angewandte Chemie</i> , 2021 , 133, 13754-13759 | 3.6 | 0 |
| 210 | Polymorphism and Fast Potassium-Ion Conduction in the T5 Supertetrahedral Phosphidosilicate KSi ₂ P. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13641-13646 | 16.4 | 8 |
| 209 | In situ monitoring of mechanochemical covalent organic framework formation reveals templating effect of liquid additive. <i>CheM</i> , 2021 , 7, 1639-1652 | 16.2 | 7 |
| 208 | Proximate ferromagnetic state in the Kitaev model material RuCl_3 . <i>Nature Communications</i> , 2021 , 12, 4512 | 17.4 | 3 |

| | | | |
|-----|---|------|-----|
| 207 | Polymer photocatalysts for solar-to-chemical energy conversion. <i>Nature Reviews Materials</i> , 2021 , 6, 168-190 | 19.0 | 116 |
| 206 | Optoelectronics Meets Optoionics: Light Storing Carbon Nitrides and Beyond. <i>Advanced Energy Materials</i> , 2021 , 11, 2003049 | 21.8 | 13 |
| 205 | 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 | 21.8 | 21 |
| 204 | Phase formation through synthetic control: polymorphism in the sodium-ion solid electrolyte Na ₄ P ₂ S ₆ . <i>Journal of Materials Chemistry A</i> , 2021 , 9, 8692-8703 | 13 | 2 |
| 203 | Impact of hydration on ion transport in Li ₂ Sn ₂ S ₅ ·xH ₂ O. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 16532-16544 | 15.4 | 4 |
| 202 | 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). <i>Advanced Energy Materials</i> , 2021 , 11, 2170028 | 21.8 | |
| 201 | Amine-Linked Covalent Organic Frameworks as a Platform for Postsynthetic Structure Interconversion and Pore-Wall Modification. <i>Journal of the American Chemical Society</i> , 2021 , 143, 3430-3438 | 16.4 | 23 |
| 200 | Transfer of 1D Photonic Crystals via Spatially Resolved Hydrophobization. <i>Small</i> , 2021 , 17, e2007864 | 11 | 2 |
| 199 | Examination of possible high-pressure candidates of SnTiO ₃ : The search for novel ferroelectric materials. <i>APL Materials</i> , 2021 , 9, 021103 | 5.7 | 4 |
| 198 | Fast Water-Assisted Lithium Ion Conduction in Restacked Lithium Tin Sulfide Nanosheets. <i>Chemistry of Materials</i> , 2021 , 33, 7337-7349 | 9.6 | 4 |
| 197 | Chemical Stability and Ionic Conductivity of LGPS-Type Solid Electrolyte Tetra-Li ₇ SiPS ₈ after Solvent Treatment. <i>ACS Applied Energy Materials</i> , 2021 , 4, 9932-9943 | 6.1 | 5 |
| 196 | Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25815-25824 | 16.4 | 1 |
| 195 | Interlayer Interactions as Design Tool for Large-Pore COFs. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15711-15722 | 16.4 | 16 |
| 194 | Correlation between Structural Studies and the Cathodoluminescence of Individual Complex Niobate Particles. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 461-467 | 4 | 0 |
| 193 | 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 | 20.1 | 20 |
| 192 | Solving the COF trilemma: towards crystalline, stable and functional covalent organic frameworks. <i>Chemical Society Reviews</i> , 2020 , 49, 8469-8500 | 58.5 | 98 |
| 191 | Holey Heterographenes Made to Order: Green Synthesis of Porous Graphitic Frameworks. <i>Chem</i> , 2020 , 6, 812-814 | 16.2 | 1 |
| 190 | Ionothermal Synthesis of Imide-Linked Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15750-15758 | 16.4 | 57 |

| | | | |
|-----|--|-------|----|
| 189 | Ionothermal Synthesis of Imide-Linked Covalent Organic Frameworks. <i>Angewandte Chemie</i> , 2020 , 132, 15880-15888 | 3.6 | 8 |
| 188 | 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 | 16.4 | 57 |
| 187 | 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 | 7.7 | 11 |
| 186 | In Situ Generation of Electrolyte inside Pyridine-Based Covalent Triazine Frameworks for Direct Supercapacitor Integration. <i>ChemSusChem</i> , 2020 , 13, 3192-3198 | 8.3 | 7 |
| 185 | Total scattering reveals the hidden stacking disorder in a 2D covalent organic framework. <i>Chemical Science</i> , 2020 , 11, 12647-12654 | 9.4 | 37 |
| 184 | Finding the Right Blend: Interplay Between Structure and Sodium Ion Conductivity in the System NaAlS-NaSiS. <i>Frontiers in Chemistry</i> , 2020 , 8, 90 | 5 | 8 |
| 183 | Structural Evolution of Ni-Based Co-Catalysts on [Ca ₂ Nb ₃ O ₁₀]Nanosheets during Heating and Their Photocatalytic Properties. <i>Catalysts</i> , 2020 , 10, 13 | 4 | 5 |
| 182 | How Certain Are the Reported Ionic Conductivities of Thiophosphate-Based Solid Electrolytes? An Interlaboratory Study. <i>ACS Energy Letters</i> , 2020 , 5, 910-915 | 20.1 | 60 |
| 181 | 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 | 3.6 | 1 |
| 180 | Lanthanide orthothiophosphates revisited: single-crystal X-ray, Raman, and DFT studies of TmPS ₄ and YbPS ₄ . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2020 , 75, 225-231 | 1 | 3 |
| 179 | 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 | 16.4 | 14 |
| 178 | Mechanistic Insights into the Role of Covalent Triazine Frameworks as Cathodes in Lithium-Sulfur Batteries. <i>Batteries and Supercaps</i> , 2020 , 3, 1069-1079 | 5.6 | 8 |
| 177 | Scalable production of nitrogen-doped carbons for multilayer lithium-sulfur battery cells. <i>Carbon</i> , 2020 , 161, 190-197 | 10.4 | 28 |
| 176 | Customizing H ₃ Sb ₃ P ₂ O ₁₄ nanosheet sensors by reversible vapor-phase amine intercalation. <i>Nanoscale Horizons</i> , 2020 , 5, 74-81 | 10.8 | 1 |
| 175 | Synthesis and Structure of the Sodium Phosphidosilicate Na ₂ SiP ₂ . <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 617-621 | 2.3 | 3 |
| 174 | Change in Magnetic Properties upon Chemical Exfoliation of FeOCl. <i>Inorganic Chemistry</i> , 2020 , 59, 1176-1182 | 5.182 | 15 |
| 173 | Rational strain engineering in delafossite oxides for highly efficient hydrogen evolution catalysis in acidic media. <i>Nature Catalysis</i> , 2020 , 3, 55-63 | 36.5 | 70 |
| 172 | Toward Standardized Photocatalytic Oxygen Evolution Rates Using RuO@TiO as a Benchmark. <i>Matter</i> , 2020 , 3, 464-486 | 12.7 | 12 |

| | | | |
|-----|---|------|-----|
| 171 | Near-atomic-scale observation of grain boundaries in a layer-stacked two-dimensional polymer. <i>Science Advances</i> , 2020 , 6, eabb5976 | 14.3 | 18 |
| 170 | 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 | 11.5 | 26 |
| 169 | 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 | 5.6 | 3 |
| 168 | Lesson Learned from NMR: Characterization and Ionic Conductivity of LGPS-like Li7SiPS8. <i>Chemistry of Materials</i> , 2019 , 31, 1280-1288 | 9.6 | 40 |
| 167 | Short-Range Structural Correlations in Amorphous 2D Polymers. <i>ChemPhysChem</i> , 2019 , 20, 2340-2347 | 3.2 | 6 |
| 166 | Sustained Solar H Evolution from a Thiazolo[5,4-]thiazole-Bridged Covalent Organic Framework and Nickel-Thiolate Cluster in Water. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11082-11092 | 16.4 | 137 |
| 165 | Sub-stoichiometric 2D covalent organic frameworks from tri- and tetratopic linkers. <i>Nature Communications</i> , 2019 , 10, 2689 | 17.4 | 40 |
| 164 | Spin-Split Band Hybridization in Graphene Proximitized with RuCl Nanosheets. <i>Nano Letters</i> , 2019 , 19, 4659-4665 | 11.5 | 29 |
| 163 | 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 | 13 | 17 |
| 162 | Photonic nanoarchitectonics with stimuli-responsive 2D materials. <i>Molecular Systems Design and Engineering</i> , 2019 , 4, 566-579 | 4.6 | 12 |
| 161 | Structural Insights into Poly(Heptazine Imides): A Light-Storing Carbon Nitride Material for Dark Photocatalysis. <i>Chemistry of Materials</i> , 2019 , 31, 7478-7486 | 9.6 | 75 |
| 160 | Magneto-optical probe of the fully gapped Dirac band in ZrSiS. <i>Physical Review Research</i> , 2019 , 1, 033001 | 3.9 | 4 |
| 159 | Ruthenium Oxide Nanosheets for Enhanced Oxygen Evolution Catalysis in Acidic Medium. <i>Advanced Energy Materials</i> , 2019 , 9, 1803795 | 21.8 | 98 |
| 158 | Molecular Insights into Carbon Dioxide Sorption in Hydrazone-Based Covalent Organic Frameworks with Tertiary Amine Moieties. <i>Chemistry of Materials</i> , 2019 , 31, 1946-1955 | 9.6 | 44 |
| 157 | Charge Density Waves and Magnetism in Topological Semimetal Candidates GdSbxTe2. <i>Advanced Quantum Technologies</i> , 2019 , 2, 1900045 | 4.3 | 12 |
| 156 | New Light on an Old Story: The Crystal Structure of Boron Tetrathiophosphate Revisited. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019 , 645, 267-271 | 1.3 | 5 |
| 155 | The effect of spin-orbit coupling on nonsymmorphic square-net compounds. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 128, 296-300 | 3.9 | 9 |
| 154 | Tunable Weyl and Dirac states in the nonsymmorphic compound CeSbTe. <i>Science Advances</i> , 2018 , 4, eaar2317 | 23.7 | 61 |

| | | | |
|-----|--|------|-----|
| 153 | Bottom-up Formation of Carbon-Based Structures with Multilevel Hierarchy from MOF-Guest Polyhedra. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6130-6136 | 16.4 | 62 |
| 152 | Humidity Sensors: Lithium Tin Sulfide High-Refractive-Index 2D Material for Humidity-Responsive Photonic Crystals (Adv. Funct. Mater. 14/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870094 | 15.6 | 1 |
| 151 | Fast Sodium-Ion Conductivity in Supertetrahedral Phosphidosilicates. <i>Angewandte Chemie</i> , 2018 , 130, 6263-6268 | 3.6 | 12 |
| 150 | Fast Sodium-Ion Conductivity in Supertetrahedral Phosphidosilicates. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6155-6160 | 16.4 | 28 |
| 149 | Chemical Principles of Topological Semimetals. <i>Chemistry of Materials</i> , 2018 , 30, 3155-3176 | 9.6 | 96 |
| 148 | Electrical Transport Signature of the Magnetic Fluctuation-Structure Relation in RuCl ₂ Nanoflakes. <i>Nano Letters</i> , 2018 , 18, 3203-3208 | 11.5 | 17 |
| 147 | On-Surface Polymerization of 1,6-Dibromo-3,8-diiodopyrene A Comparative Study on Au(111) Versus Ag(111) by STM, XPS, and NEXAFS. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 5967-5977 | 3.8 | 19 |
| 146 | Lithium Tin Sulfide High-Refractive-Index 2D Material for Humidity-Responsive Photonic Crystals. <i>Advanced Functional Materials</i> , 2018 , 28, 1705740 | 15.6 | 31 |
| 145 | Toward an Aqueous Solar Battery: Direct Electrochemical Storage of Solar Energy in Carbon Nitrides. <i>Advanced Materials</i> , 2018 , 30, 1705477 | 24 | 79 |
| 144 | H Evolution with Covalent Organic Framework Photocatalysts. <i>ACS Energy Letters</i> , 2018 , 3, 400-409 | 20.1 | 208 |
| 143 | Vapor-Phase Amine Intercalation for the Rational Design of Photonic Nanosheet Sensors. <i>Chemistry of Materials</i> , 2018 , 30, 2557-2565 | 9.6 | 8 |
| 142 | Improving analyte selectivity by post-assembly modification of metal-organic framework based photonic crystal sensors. <i>Nanoscale Horizons</i> , 2018 , 3, 383-390 | 10.8 | 15 |
| 141 | Topochemical conversion of an imine- into a thiazole-linked covalent organic framework enabling real-time structure analysis. <i>Nature Communications</i> , 2018 , 9, 2600 | 17.4 | 138 |
| 140 | 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 | 9.6 | 14 |
| 139 | New horizons for inorganic solid state ion conductors. <i>Energy and Environmental Science</i> , 2018 , 11, 1945-1976 | 35.4 | 601 |
| 138 | Temperature-dependent magnetic anisotropy in the layered magnetic semiconductors CrI ₃ and CrBr ₃ . <i>Physical Review Materials</i> , 2018 , 2, | 3.2 | 49 |
| 137 | Unconventional mass enhancement around the Dirac nodal loop in ZrSiS. <i>Nature Physics</i> , 2018 , 14, 178-183 | 8.2 | 85 |
| 136 | IrOOH nanosheets as acid stable electrocatalysts for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21558-21566 | 13 | 43 |

| | | | |
|-----|---|------|-----|
| 135 | Synthesis and Characterization of Three New Lithium-Scandium Hexathiohypodiphosphates: Li ₄ B _x Sc _x P ₂ S ₆ (x = 0.358), m-LiScP ₂ S ₆ , and t-LiScP ₂ S ₆ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 1854-1862 | 1.3 | 1 |
| 134 | Structure-Directing Lone Pairs: Synthesis and Structural Characterization of SnTiO ₃ . <i>Chemistry of Materials</i> , 2018 , 30, 8932-8938 | 9.6 | 18 |
| 133 | The wetter the better. <i>Nature Chemistry</i> , 2018 , 10, 1175-1177 | 17.6 | 20 |
| 132 | Directly photoexcited Dirac and Weyl fermions in ZrSiS and NbAs. <i>Applied Physics Letters</i> , 2018 , 113, 221906 | 3.4 | 9 |
| 131 | Tracking Molecular Diffusion in One-Dimensional Photonic Crystals. <i>Advanced Materials</i> , 2018 , 30, e180374 | 7.0 | 10 |
| 130 | Tailor-Made Photoconductive Pyrene-Based Covalent Organic Frameworks for Visible-Light Driven Hydrogen Generation. <i>Advanced Energy Materials</i> , 2018 , 8, 1703278 | 21.8 | 100 |
| 129 | Photocatalytic Oxidation of Sulfinates to Vinyl Sulfones with Cyanamide-Functionalised Carbon Nitride. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 2179-2185 | 3.2 | 39 |
| 128 | Structural Stability Diagram of ALnPS Compounds (A = Na, K, Rb, Cs; Ln = Lanthanide). <i>Inorganic Chemistry</i> , 2017 , 56, 1121-1131 | 5.1 | 23 |
| 127 | Urea-Modified Carbon Nitrides: Enhancing Photocatalytic Hydrogen Evolution by Rational Defect Engineering. <i>Advanced Energy Materials</i> , 2017 , 7, 1602251 | 21.8 | 174 |
| 126 | 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 | 3.6 | 70 |
| 125 | Tuning the stacking behaviour of a 2D covalent organic framework through non-covalent interactions. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 1354-1361 | 7.8 | 63 |
| 124 | A New Fabrication Method for Single-Layer Nanosheets by Silver-Assisted Exfoliation. <i>ChemNanoMat</i> , 2017 , 3, 411-414 | 3.5 | 7 |
| 123 | Thermodynamic Equilibria in Carbon Nitride Photocatalyst Materials and Conditions for the Existence of Graphitic Carbon Nitride g-C ₃ N ₄ . <i>Chemistry of Materials</i> , 2017 , 29, 4445-4453 | 9.6 | 38 |
| 122 | Toward Tunable Photonic Nanosheet Sensors: Strong Influence of the Interlayer Cation on the Sensing Characteristics. <i>Advanced Materials</i> , 2017 , 29, 1604884 | 24 | 14 |
| 121 | Photocatalytic Nanosheet Lithography: Photolithography based on Organically Modified Photoactive 2D Nanosheets. <i>Angewandte Chemie</i> , 2017 , 129, 8509-8512 | 3.6 | 1 |
| 120 | Photocatalytic Nanosheet Lithography: Photolithography based on Organically Modified Photoactive 2D Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8389-8392 | 16.4 | 13 |
| 119 | ZIF-8 Films Prepared by Femtosecond Pulsed-Laser Deposition. <i>Chemistry of Materials</i> , 2017 , 29, 5148-5155 | 15.5 | 14 |
| 118 | Dark Photocatalysis: Storage of Solar Energy in Carbon Nitride for Time-Delayed Hydrogen Generation. <i>Angewandte Chemie</i> , 2017 , 129, 525-529 | 3.6 | 30 |

| | | | |
|-----|---|------|-----|
| 117 | Dark Photocatalysis: Storage of Solar Energy in Carbon Nitride for Time-Delayed Hydrogen Generation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 510-514 | 16.4 | 143 |
| 116 | Fluorescent Humidity Sensors Based on Photonic Resonators. <i>Advanced Optical Materials</i> , 2017 , 5, 1700-1703 | 6.3 | 23 |
| 115 | Single-Site Photocatalytic H Evolution from Covalent Organic Frameworks with Molecular Cobaloxime Co-Catalysts. <i>Journal of the American Chemical Society</i> , 2017 , 139, 16228-16234 | 16.4 | 195 |
| 114 | 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 | 1.3 | 3 |
| 113 | Trivalent Iridium Oxides: Layered Triangular Lattice Iridate $\text{K}_{0.75}\text{Na}_{0.25}\text{IrO}_2$ and Oxyhydroxide IrOOH . <i>Chemistry of Materials</i> , 2017 , 29, 8338-8345 | 9.6 | 23 |
| 112 | Similar ultrafast dynamics of several dissimilar Dirac and Weyl semimetals. <i>Journal of Applied Physics</i> , 2017 , 122, 223102 | 2.5 | 27 |
| 111 | The First Quinary Rare Earth Thiophosphates: $\text{Cs}_5\text{Ln}_3\text{X}_3(\text{P}_2\text{S}_6)_2(\text{PS}_4)$ ($\text{Ln} = \text{La}, \text{Ce}, \text{X} = \text{Br}, \text{Cl}$) 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 | 1.3 | 10 |
| 110 | Flat Optical Conductivity in ZrSiS due to Two-Dimensional Dirac Bands. <i>Physical Review Letters</i> , 2017 , 119, 187401 | 7.4 | 45 |
| 109 | Relevance of solid electrolytes for lithium-based batteries: A realistic view. <i>Journal of Electroceramics</i> , 2017 , 38, 128-141 | 1.5 | 71 |
| 108 | Surface Floating 2D Bands in Layered Nonsymmorphic Semimetals: ZrSiS and Related Compounds. <i>Physical Review X</i> , 2017 , 7, | 9.1 | 31 |
| 107 | 2017 , | | 6 |
| 106 | Toward Fluorinated Spacers for MAPbI ₃ -Derived Hybrid Perovskites: Synthesis, Characterization, and Phase Transitions of $(\text{FC}_2\text{H}_4\text{NH}_3)_2\text{PbCl}_4$. <i>Chemistry of Materials</i> , 2016 , 28, 6560-6566 | 9.6 | 56 |
| 105 | Exploiting Noncovalent Interactions in an Imine-Based Covalent Organic Framework for Quercetin Delivery. <i>Advanced Materials</i> , 2016 , 28, 8749-8754 | 24 | 224 |
| 104 | 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 CuP_2Se , Featuring Zero-, One-, and Two-Dimensional Anions. <i>Inorganic Chemistry</i> , 2016 , 55, 8031-40 | 5.1 | 3 |
| 103 | Titanium Doping and Its Effect on the Morphology of Three-Dimensional Hierarchical $\text{Nb}_3\text{O}_7(\text{OH})$ Nanostructures for Enhanced Light-Induced Water Splitting. <i>Chemistry of Materials</i> , 2016 , 28, 7666-7672 | 9.6 | 6 |
| 102 | Tuning the magnetoresistance of ultrathin WTe_2 sheets by electrostatic gating. <i>Nanoscale</i> , 2016 , 8, 18703-18707 | 7.7 | 27 |
| 101 | Dirac cone protected by non-symmorphic symmetry and three-dimensional Dirac line node in ZrSiS . <i>Nature Communications</i> , 2016 , 7, 11696 | 17.4 | 423 |
| 100 | Rational design of carbon nitride photocatalysts by identification of cyanamide defects as catalytically relevant sites. <i>Nature Communications</i> , 2016 , 7, 12165 | 17.4 | 417 |

| | | | |
|----|---|------|-----|
| 99 | Solar-Driven Reduction of Aqueous Protons Coupled to Selective Alcohol Oxidation with a Carbon Nitride-Molecular Ni Catalyst System. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9183-92 | 16.4 | 210 |
| 98 | Thermodynamics of the Segregation of a Kinetically Trapped Two-Dimensional Amorphous MetalOrganic Network. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 4403-4409 | 3.8 | 10 |
| 97 | Soft Photocatalysis: Organic Polymers for Solar Fuel Production. <i>Chemistry of Materials</i> , 2016 , 28, 5191-5204 | 9.0 | 175 |
| 96 | Towards the Nanosheet-Based Photonic Nose: Vapor Recognition and Trace Water Sensing with Antimony Phosphate Thin Film Devices. <i>Advanced Materials</i> , 2016 , 28, 7436-42 | 24 | 34 |
| 95 | Synthesis and Characterization of Copper Hexathiometadiphosphate Cu ₂ P ₂ S ₆ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 356-360 | 1.3 | 7 |
| 94 | Benzimidazolium Lead Halide Perovskites: Effects of Anion Substitution and Dimensionality on the Bandgap. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 1369-1376 | 1.3 | 25 |
| 93 | Non-symmorphic band degeneracy at the Fermi level in ZrSiTe. <i>New Journal of Physics</i> , 2016 , 18, 125014 | 2.9 | 65 |
| 92 | Butterfly magnetoresistance, quasi-2D Dirac Fermi surface and topological phase transition in ZrSiS. <i>Science Advances</i> , 2016 , 2, e1601742 | 14.3 | 124 |
| 91 | Band Gap Extraction from Individual Two-Dimensional Perovskite Nanosheets Using Valence Electron Energy Loss Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 11170-11179 | 3.8 | 29 |
| 90 | Magnetic Properties of Restacked 2D Spin 1/2 honeycomb RuCl ₃ Nanosheets. <i>Nano Letters</i> , 2016 , 16, 3578-84 | 11.5 | 67 |
| 89 | Homonuclear Mixed-Valent Cobalt Imidazolate Framework for Oxygen-Evolution Electrocatalysis. <i>Chemistry - A European Journal</i> , 2016 , 22, 3676-80 | 4.8 | 33 |
| 88 | Li _{0.6} [Li _{0.2} Sn _{0.8} S ₂] layered lithium superionic conductor. <i>Energy and Environmental Science</i> , 2016 , 9, 2578-2585 | 35.4 | 39 |
| 87 | Humidity Sensing: Towards the Nanosheet-Based Photonic Nose: Vapor Recognition and Trace Water Sensing with Antimony Phosphate Thin Film Devices (Adv. Mater. 34/2016). <i>Advanced Materials</i> , 2016 , 28, 7294-7294 | 24 | 4 |
| 86 | Structural study of growth, orientation and defects characteristics in the functional microelectromechanical system material aluminium nitride. <i>Journal of Applied Physics</i> , 2015 , 117, 014302 | 2.5 | 10 |
| 85 | Bringing one-dimensional photonic crystals to a new light: an electrophotonic platform for chemical mass transport visualisation and cell monitoring. <i>Materials Horizons</i> , 2015 , 2, 299-308 | 14.4 | 20 |
| 84 | Tandem MOF-Based Photonic Crystals for Enhanced Analyte-Specific Optical Detection. <i>Chemistry of Materials</i> , 2015 , 27, 1961-1970 | 9.6 | 75 |
| 83 | Electronically coupled hybrid structures by graphene oxide directed self-assembly of Cu(2-x)S nanocrystals. <i>Nanoscale</i> , 2015 , 7, 6675-82 | 7.7 | 9 |
| 82 | Lithium Charge Storage Mechanisms of Cross-Linked Triazine Networks and Their Porous Carbon Derivatives. <i>Chemistry of Materials</i> , 2015 , 27, 3821-3829 | 9.6 | 42 |

| | | | |
|----|--|------|-----|
| 81 | 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. <i>Journal of Applied Physics</i> , 2015 , 117, 104509 | 2.5 | 12 |
| 80 | Synthesis of triazine-based materials by functionalization with alkynes. <i>Chemistry - A European Journal</i> , 2015 , 21, 7866-73 | 4.8 | 9 |
| 79 | Materials chemistry: Organic polymers form fuel from water. <i>Nature</i> , 2015 , 521, 41-2 | 50.4 | 62 |
| 78 | Vertical 2D Heterostructures. <i>Annual Review of Materials Research</i> , 2015 , 45, 85-109 | 12.8 | 127 |
| 77 | A tunable azine covalent organic framework platform for visible light-induced hydrogen generation. <i>Nature Communications</i> , 2015 , 6, 8508 | 17.4 | 702 |
| 76 | Tunable Water and CO ₂ Sorption Properties in Isostructural Azine-Based Covalent Organic Frameworks through Polarity Engineering. <i>Chemistry of Materials</i> , 2015 , 27, 7874-7881 | 9.6 | 136 |
| 75 | 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 | 9.6 | 54 |
| 74 | 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 | 5.3 | 11 |
| 73 | Phenyl-triazine oligomers for light-driven hydrogen evolution. <i>Energy and Environmental Science</i> , 2015 , 8, 3345-3353 | 35.4 | 190 |
| 72 | Low-molecular-weight carbon nitrides for solar hydrogen evolution. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1064-72 | 16.4 | 267 |
| 71 | Touchless Optical Finger Motion Tracking Based on 2D Nanosheets with Giant Moisture Responsiveness. <i>Advanced Materials</i> , 2015 , 27, 6341-8 | 24 | 70 |
| 70 | Nitrogen-Rich Covalent Triazine Frameworks as High-Performance Platforms for Selective Carbon Capture and Storage. <i>Chemistry of Materials</i> , 2015 , 27, 8001-8010 | 9.6 | 183 |
| 69 | Surfactant-directed syntheses of mesostructured zinc imidazolates: formation mechanism and structural insights. <i>CrystEngComm</i> , 2015 , 17, 463-470 | 3.3 | 11 |
| 68 | New light on an old story: perovskites go solar. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6351-6354 | 16.4 | 151 |
| 67 | Optical gap in herringbone and stacked crystals of [1]benzothieno[3,2-b]benzothiophene and its brominated derivative. <i>CrystEngComm</i> , 2014 , 16, 7389-7392 | 3.3 | 30 |
| 66 | Tin disulfide (SnS ₂) thin-film field-effect transistors 2014 , | | 1 |
| 65 | 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 | 13 | 138 |
| 64 | 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 | 8.3 | 21 |

| | | | |
|----|--|------|-----|
| 63 | 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, 6948-58 | 7.8 | 54 |
| 62 | A new ultrafast superionic Li-conductor: ion dynamics in Li ₁₁ Si ₂ P ₂ S ₁₂ and comparison with other tetragonal LGPS-type electrolytes. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 14669-74 | 3.6 | 197 |
| 61 | Crystalline carbon nitride nanosheets for improved visible-light hydrogen evolution. <i>Journal of the American Chemical Society</i> , 2014 , 136, 1730-3 | 16.4 | 509 |
| 60 | Ein Klassiker im neuen Gewand: Perowskit-Solarzellen. <i>Angewandte Chemie</i> , 2014 , 126, 647-649 | 3.6 | 19 |
| 59 | In Search of Aluminum Hexathiohypodiphosphate: Synthesis and Structures of ht-AlPS ₄ , lt-AlPS ₄ , and Al ₄ (P ₂ S ₆) ₃ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 2663-2668 | 1.3 | 13 |
| 58 | Photocatalytic hydrogen production using polymeric carbon nitride with a hydrogenase and a bioinspired synthetic Ni catalyst. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11538-42 | 16.4 | 151 |
| 57 | Synthesis and Structural Characterization of the Alkali Thiophosphates Na ₂ P ₂ S ₆ , Na ₄ P ₂ S ₆ , K ₄ P ₂ S ₆ , and Rb ₄ P ₂ S ₆ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 689-692 | 1.3 | 27 |
| 56 | Photocatalytic Hydrogen Production using Polymeric Carbon Nitride with a Hydrogenase and a Bioinspired Synthetic Ni Catalyst. <i>Angewandte Chemie</i> , 2014 , 126, 11722-11726 | 3.6 | 38 |
| 55 | A facile wet chemistry approach towards unilamellar tin sulfide nanosheets from Li ₄ xSn _{1-x} S ₂ solid solutions. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6100-6106 | 13 | 32 |
| 54 | A hydrazone-based covalent organic framework for photocatalytic hydrogen production. <i>Chemical Science</i> , 2014 , 5, 2789-2793 | 9.4 | 615 |
| 53 | Triazine-based carbon nitrides for visible-light-driven hydrogen evolution. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 2435-9 | 16.4 | 332 |
| 52 | Biogenic metal-organic frameworks: 2,5-Furandicarboxylic acid as versatile building block. <i>Microporous and Mesoporous Materials</i> , 2013 , 181, 217-221 | 5.3 | 30 |
| 51 | Tetragonal Li ₁₀ GeP ₂ S ₁₂ and Li ₇ GeP ₈ S ₈ exploring the Li ion dynamics in LGPS Li electrolytes. <i>Energy and Environmental Science</i> , 2013 , 6, 3548 | 35.4 | 176 |
| 50 | Additive-mediated size control of MOF nanoparticles. <i>CrystEngComm</i> , 2013 , 15, 9296 | 3.3 | 58 |
| 49 | Single-crystal X-ray structure analysis of the superionic conductor Li ₁₀ GeP ₂ S ₁₂ . <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 11620-2 | 3.6 | 99 |
| 48 | Bottom-up assembly of photonic crystals. <i>Chemical Society Reviews</i> , 2013 , 42, 2528-54 | 58.5 | 515 |
| 47 | Low-cost thermo-optic imaging sensors: a detection principle based on tunable one-dimensional photonic crystals. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 1575-82 | 9.5 | 35 |
| 46 | Cationically charged Mn(II)Al(III) LDH nanosheets by chemical exfoliation and their use as building blocks in graphene oxide-based materials. <i>Langmuir</i> , 2013 , 29, 9199-207 | 4 | 34 |

| | | | |
|----|---|------|-----|
| 45 | Ultrathin 2D coordination polymer nanosheets by surfactant-mediated synthesis. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6157-64 | 16.4 | 151 |
| 44 | Electronic structure of KCa ₂ Nb ₃ O ₁₀ as envisaged by density functional theory and valence electron energy loss spectroscopy. <i>Physical Review B</i> , 2013 , 87, | 3.3 | 15 |
| 43 | Synthesis and Crystal Structures of the Alkali Aluminium Thiohypodiphosphates MAlP ₂ S ₆ (M = Li, Na). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 1087-1089 | 1.3 | 14 |
| 42 | Artificial Solids by Design: Assembly and Electron Microscopy Study of Nanosheet-Derived Heterostructures. <i>Chemistry of Materials</i> , 2013 , 25, 4892-4900 | 9.6 | 25 |
| 41 | Tunable thermoresponsive TiO ₂ /SiO ₂ Bragg stacks based on sol-gel fabrication methods. <i>Journal of Intelligent Material Systems and Structures</i> , 2013 , 24, 2204-2214 | 2.3 | 4 |
| 40 | Triazine-based Carbon Nitrides for Visible-Light-Driven Hydrogen Evolution. <i>Angewandte Chemie</i> , 2013 , 125, 2495-2499 | 3.6 | 62 |
| 39 | Towards mesostructured zinc imidazolate frameworks. <i>Chemistry - A European Journal</i> , 2012 , 18, 2143-52.8 | 4.8 | 23 |
| 38 | Nanomorphology tuning of the thermal response of TiO ₂ /SiO ₂ Bragg stacks. <i>Canadian Journal of Chemistry</i> , 2012 , 90, 1069-1077 | 0.9 | 4 |
| 37 | Stimuli-responsive 2D polyelectrolyte photonic crystals for optically encoded pH sensing. <i>Chemical Communications</i> , 2012 , 48, 6169-71 | 5.8 | 52 |
| 36 | Synthetic routes toward MOF nanomorphologies. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10119 | | 153 |
| 35 | Humidity-Enhanced Thermally Tunable TiO ₂ /SiO ₂ Bragg Stacks. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 298-305 | 3.8 | 76 |
| 34 | A functional triazine framework based on N-heterocyclic building blocks. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13956 | | 95 |
| 33 | One-dimensional metal-organic framework photonic crystals used as platforms for vapor sorption. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10356 | | 123 |
| 32 | Poly(triazine imide) with intercalation of lithium and chloride ions [(C ₃ N ₃) ₂ (NH(x)Li(1-x)) ₃ LiCl]: a crystalline 2D carbon nitride network. <i>Chemistry - A European Journal</i> , 2011 , 17, 3213-21 | 4.8 | 233 |
| 31 | Self-assembly of melem on Ag(111)-emergence of porous structures based on amino-heptazine hydrogen bonds. <i>CrystEngComm</i> , 2011 , 13, 5559 | 3.3 | 14 |
| 30 | Stimuli-responsive Bragg stacks for chemo-optical sensing applications 2010 , | | 7 |
| 29 | Tackling the stacking disorder of melon-structure elucidation in a semicrystalline material. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 2227-37 | 3.6 | 55 |
| 28 | Nanofabrication by self-assembly. <i>Materials Today</i> , 2009 , 12, 12-23 | 21.8 | 239 |

| | | | |
|----|--|------|-----|
| 27 | A step towards optically encoded silver release in 1D photonic crystals. <i>Small</i> , 2009 , 5, 1498-503 | 11 | 31 |
| 26 | Vapor-sensitive bragg mirrors and optical isotherms from mesoporous nanoparticle suspensions. <i>ACS Nano</i> , 2009 , 3, 1669-76 | 16.7 | 77 |
| 25 | Cross-linking Bi ₂ S ₃ ultrathin nanowires: a platform for nanostructure formation and biomolecule detection. <i>Nano Letters</i> , 2009 , 9, 1482-6 | 11.5 | 73 |
| 24 | Structure elucidation of polyheptazine imide by electron diffraction--a templated 2D carbon nitride network. <i>Chemical Communications</i> , 2009 , 1541-3 | 5.8 | 88 |
| 23 | Photonic clays: a new family of functional 1D photonic crystals. <i>ACS Nano</i> , 2008 , 2, 2065-74 | 16.7 | 96 |
| 22 | All-clay photonic crystals. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15252-3 | 16.4 | 31 |
| 21 | Poly(heptazinimid) - ein kovalentes 2D-polymeres Kohlenstoffnitrid-Netzwerk. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 2014-2014 | 1.3 | |
| 20 | Clay Bragg Stack Optical Sensors. <i>Advanced Materials</i> , 2008 , 20, 4079-4084 | 24 | 132 |
| 19 | Structural Investigation of a Layered Carbon Nitride Polymer by Electron Diffraction 2008 , 185-186 | | 1 |
| 18 | Reorientational dynamics and solid-phase transformation of ammonium dicyanamide into dicyandiamide: a (2)H solid-state NMR study. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 11680-91 | 3.4 | 9 |
| 17 | New light on an old story: formation of melam during thermal condensation of melamine. <i>Chemistry - A European Journal</i> , 2007 , 13, 4956-68 | 4.8 | 191 |
| 16 | Rare-earth tricyanomelaminates [NH ₄] ₂ [Ln(HC(6)N(9))(2)[H(2)O](7)H(2)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, 3512-24 | 4.8 | 21 |
| 15 | 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, 4969-80 | 4.8 | 638 |
| 14 | The Crystal Structures of Two Nonmetal Tricyanomelaminates: Diammonium Tricyanomelamine Dihydrate [NH ₄] ₂ [C ₆ N ₉ H] ₂ · 2 H ₂ O and Dimelaminium Tricyanomelamine Melamine Dihydrate [C ₃ N ₆ H ₇] ₂ [C ₆ N ₉ H] ₂ · C ₃ N ₆ H ₆ · 2 H ₂ O. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007 , 633, 1435-1444 | 1.3 | 9 |
| 13 | 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 | 0.5 | |
| 12 | From Triazines to Heptazines: Novel Nonmetal Tricyanomelaminates as Precursors for Graphitic Carbon Nitride Materials. <i>Chemistry of Materials</i> , 2006 , 18, 1891-1900 | 9.6 | 181 |
| 11 | Synthesis and Structural Characterization of the Ammelinium Salts [C ₃ H ₆ N ₅ O]Cl, [C ₃ H ₆ N ₅ O]Br, and [C ₃ H ₆ N ₅ O]NO ₃ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 1457-1464 | 1.3 | 9 |
| 10 | Thermal Conversion of Guanylurea Dicyanamide into Graphitic Carbon Nitride via Prototype CN _x Precursors. <i>Chemistry of Materials</i> , 2005 , 17, 3976-3982 | 9.6 | 89 |

| | | | |
|---|---|------|----|
| 9 | Crystal Structure of Guanylurea Sulphate Hydrate $[H_2NC(=O)NHC(NH_2)_2]_2SO_4 \cdot 2 H_2O$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005 , 631, 2967-2969 | 1.3 | 5 |
| 8 | Catalytic Formation and Crystal Structure of Cyanoguanylurea $H_2NC(=O)NHC(NH_2)NCN$. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2005 , 60, 377-382 | 1 | 3 |
| 7 | Towards novel CN 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 | 3.6 | 36 |
| 6 | Characterization of the thermally induced topochemical solid-state transformation of $NH_4[N(CN)_2]$ into $NCN=C(NH_2)_2$ 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 | 5.1 | 37 |
| 5 | 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 | 3.3 | 28 |
| 4 | Cobalt(I)-catalyzed Neutral Diels-Alder Reactions of Oxygen-functionalized Acyclic 1,3-Dienes with Alkynes. <i>Synlett</i> , 2002 , 2002, 1081-1084 | 2.2 | 32 |
| 3 | Separation of nucleoside monophosphates using preferential anion exchange intercalation in layered double hydroxides. <i>Solid State Sciences</i> , 2001 , 3, 883-886 | 3.4 | 47 |
| 2 | A Tour-Guide through Carbon Nitride-Land: Structure- and Dimensionality-Dependent Properties for Photo(Electro)Chemical Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2101078 | 21.8 | 17 |
| 1 | How Reproducible are Surface Areas Calculated from the BET Equation?. <i>Advanced Materials</i> , 2201502 | 24 | 12 |