

X-ray analysis on the nanogram to microgram scale using

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Citation Report

#	ARTICLE	IF	CITATIONS
4	Geometric curvature controls the chemical patchiness and self-assembly of nanoparticles. <i>Nature Nanotechnology</i> , 2013, 8, 676-681.	15.6	136
5	A Molecular Claw: A Dynamic Cavitand Host. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11313-11316.	7.2	19
6	On the assignment of the absolute configuration at the isolated methyl branch in miyakosyne A, cytotoxic linear acetylene, from the deep-sea marine sponge <i>Petrosia</i> sp.. <i>Tetrahedron</i> , 2013, 69, 11070-11073.	1.0	11
7	Imaging the Absolute Configuration of a Chiral Epoxide in the Gas Phase. <i>Science</i> , 2013, 342, 1084-1086.	6.0	118
8	Substitution at the metal center of coordination polymers in single-crystal-to-single-crystal (SC-SC) transformation. <i>CrystEngComm</i> , 2013, 15, 9239.	1.3	25
9	Intercalation of chiral molecules into layered metal-organic frameworks: a strategy to synthesize homochiral MOFs. <i>Chemical Communications</i> , 2013, 49, 10644.	2.2	32
10	Stabilization of Tetrahedral P ₄ and As ₄ Molecules as Guests in Polymeric and Spherical Environments. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10896-10899.	7.2	91
11	One size fits most. <i>Nature</i> , 2013, 495, 456-457.	13.7	15
12	Defining the path to hematopoietic stem cells. <i>Nature Biotechnology</i> , 2013, 31, 416-418.	9.4	47
13	Lanthanide-polyphosphonate coordination polymers combining catalytic and photoluminescence properties. <i>Chemical Communications</i> , 2013, 49, 6400.	2.2	51
14	Crystallography without crystals. <i>Nature Methods</i> , 2013, 10, 460-461.	9.0	0
15	Isolation and Stabilization of a Pheromone in Crystalline Molecular Capsules. <i>Crystal Growth and Design</i> , 2013, 13, 3197-3200.	1.4	20
16	Direct Determination of Absolute Molecular Stereochemistry in Gas Phase by Coulomb Explosion Imaging. <i>Science</i> , 2013, 341, 1096-1100.	6.0	234
18	Regular Patterns in Frictional Resistance of Ice-Stream Beds Seen by Surface Data Inversion. <i>Science</i> , 2013, 342, 1086-1089.	6.0	74
19	Improved syntheses, and structural and electronic characterization of carboxamide-substituted Tp ^{CONHPh,Me} and Tp ^{CONH<i>t</i>-Bu,Me} ligands. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 947-953.	0.4	2
25	Revolutionary method for probing molecular structure unravels. <i>Nature</i> , 2013, , .	13.7	0
27	Pep2Path: Automated Mass Spectrometry-Guided Genome Mining of Peptidic Natural Products. <i>PLoS Computational Biology</i> , 2014, 10, e1003822.	1.5	81
28	Structured illumination for compressive x-ray diffraction tomography. <i>Proceedings of SPIE</i> , 2014, , .	0.8	2

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30	Distribution of Butane in the Host Water Cage of Structure II Clathrate Hydrates. <i>Chemistry - A European Journal</i> , 2014, 20, 17207-17213.	1.7	34
31	Transition Lanthanide Heterometal Organic Frameworks: Synthesis, Structures, and Properties. <i>Structure and Bonding</i> , 2014, , 231-263.	1.0	8
32	Progressive compression of 1,10-diammonium-alkanes inside a rigid crystalline molecular cage. <i>Chemical Communications</i> , 2014, 50, 14086-14088.	2.2	19
33	Activation of dihydrogen and coordination of molecular H ₂ on transition metals. <i>Journal of Organometallic Chemistry</i> , 2014, 751, 33-49.	0.8	120
35	Structured illumination for tomographic X-ray diffraction imaging. <i>Analyst, The</i> , 2014, 139, 709-713.	1.7	19
36	Structural Reevaluation of the Electrophilic Hypervalent Iodine Reagent for Trifluoromethylthiolation Supported by the Crystalline Sponge Method for X-ray Analysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3125-3128.	7.2	223
37	Preparation and guest-uptake protocol for a porous complex useful for 'crystal-free' crystallography. <i>Nature Protocols</i> , 2014, 9, 246-252.	5.5	127
38	Sterically controlled self-assembly of tetrahedral M ₆ L ₄ cages via cationic N-donor ligands. <i>Chemical Communications</i> , 2014, 50, 5469-5472.	2.2	13
39	Incorporating Polyoxometalates into a Porous MOF Greatly Improves Its Selective Adsorption of Cationic Dyes. <i>Chemistry - A European Journal</i> , 2014, 20, 6927-6933.	1.7	237
40	Recent advances in genome-based polyketide discovery. <i>Current Opinion in Biotechnology</i> , 2014, 29, 107-115.	3.3	99
41	Coulomb Explosion Imaged Cryptochiral (R,R)-2,3-Dideuterooxirane: Unambiguous Access to the Absolute Configuration of (+)-Glyceraldehyde. <i>Chemistry - A European Journal</i> , 2014, 20, 5555-5558.	1.7	17
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43	Water molecule-driven reversible single-crystal to single-crystal transformation of a multi-metallic coordination polymer with controllable metal ion movement. <i>Chemical Communications</i> , 2014, 50, 1839.	2.2	26
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46	Structure of a designed protein cage that self-assembles into a highly porous cube. <i>Nature Chemistry</i> , 2014, 6, 1065-1071.	6.6	267
47	Guest Exchange Reactions in Isostructural 3D Porous Coordination Polymers of Ni(II), Co(II), and Mn(II). <i>Crystal Growth and Design</i> , 2014, 14, 6115-6121.	1.4	8
48	Precisely controlled supramolecular ionic conduction paths and their structure conductivity relationships for lithium ion transport. <i>CrystEngComm</i> , 2014, 16, 10512-10518.	1.3	14

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50	Radicals in metal-organic frameworks. RSC Advances, 2014, 4, 17498-17512.	1.7	112
51	Tuning the coordination chemistry of cyclotrimeratrylene ligand pairs through alkyl chain aggregation. CrystEngComm, 2014, 16, 8138-8146.	1.3	11
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55	Radical C-H Functionalization of Heteroarenes under Electrochemical Control. Angewandte Chemie - International Edition, 2014, 53, 11868-11871.	7.2	280
56	Three-Way Crystal-to-Crystal Reversible Transformation and Controlled Spin Switching by a Nonporous Molecular Material. Journal of the American Chemical Society, 2014, 136, 3869-3874.	6.6	176
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58	Substitution reactions in metal-organic frameworks and metal-organic polyhedra. Chemical Society Reviews, 2014, 43, 5952-5981.	18.7	204
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60	Discrete and polymeric Cu(II) complexes featuring substituted indazole ligands: their synthesis and structural chemistry. Dalton Transactions, 2014, 43, 16450-16458.	1.6	15
61	Crystal Clear: The ability to crystallize proteins in space is accelerating drug development on Earth.. IEEE Pulse, 2014, 5, 30-34.	0.1	1
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63	A supermolecular building approach for the design and construction of metal-organic frameworks. Chemical Society Reviews, 2014, 43, 6141-6172.	18.7	708
64	Mapping the Internal Recognition Surface of an Octanuclear Coordination Cage Using Guest Libraries. Journal of the American Chemical Society, 2014, 136, 8475-8483.	6.6	101
65	Plant metabolomics for plant chemical responses to belowground community change by climate change. Journal of Plant Biology, 2014, 57, 137-149.	0.9	16
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67	Development of a Ru complex-incorporated MOF photocatalyst for hydrogen production under visible-light irradiation. Chemical Communications, 2014, 50, 6779.	2.2	145

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70	Visualization of Solution Chemistry by X-ray Crystallography Using Porous Coordination Networks. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 1161-1176.	2.0	21
71	Cavity-Assembled Porous Solids (CAPSs) for Nanospace-Specific Functions. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 643-654.	2.0	37
72	Preferential Removal of Perchlorate Ion from Water Using Self-assembled Constructions of Cationic 3D Coordination Frameworks with Methylene Units. <i>Chemistry Letters</i> , 2015, 44, 1007-1009.	0.7	1
73	Studies on Diastereoselective Functionalization, Optical Resolution, and Racemization Behaviors of Macrocyclic Bisimidazole of Winding-Vine-Shaped Molecular Asymmetry. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 1331-1337.	2.0	6
74	Laser Desorption Ionization of Stilbenes in Crystalline Sponge. <i>European Journal of Mass Spectrometry</i> , 2015, 21, 413-421.	0.5	7
76	X-ray Crystallography in Open-Framework Materials. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12860-12867.	7.2	75
78	Phosphine-Catalyzed \hat{I}^2, \hat{I}^3 -Umpolung Domino Reaction of Allenic Esters: Facile Synthesis of Tetrahydrobenzofuranones Bearing a Chiral Tetrasubstituted Stereogenic Carbon Center. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15511-15515.	7.2	106
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84	Determination of Structure " Including Absolute Configuration " of Bioactive Natural Products". , , 2015, , .		0
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86	The crystalline sponge method: MOF terminal ligand effects. <i>Chemical Communications</i> , 2015, 51, 11252-11255.	2.2	67
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88	Atomic Structure of Au ₃₂₉ (SR) ₈₄ Faradaurate Plasmonic Nanomolecules. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11260-11266.	1.5	23
89	Control of Diffusion and Conformation Behavior of Methyl Methacrylate Monomer by Phenylene Fin in Porous Coordination Polymers. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27291-27297.	1.5	10

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94	Marine natural products. <i>Natural Product Reports</i> , 2015, 32, 116-211.	5.2	531
95	Probing post-synthetic metallation in metal-organic frameworks: insights from X-ray crystallography. <i>Chemical Communications</i> , 2015, 51, 5486-5489.	2.2	25
96	Lanthanide Metal-Organic Frameworks. <i>Structure and Bonding</i> , 2015, , .	1.0	33
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100	Molecular binding behavior of bipyridium derivatives by water-soluble carboxylato-biphen[3]arene. <i>Chemical Communications</i> , 2015, 51, 6621-6624.	2.2	45
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108	Crystallization-Driven Multicomponent Encapsulation of Coulombically Repulsive Guests. <i>Crystal Growth and Design</i> , 2015, 15, 3525-3531.	1.4	5
109	Limitations and Extensions of the Lock-and-Key Principle: Differences between Gas State, Solution and Solid State Structures. <i>International Journal of Molecular Sciences</i> , 2015, 16, 6694-6717.	1.8	40
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123	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015, 11, 625-631.	3.9	715
124	Bis(dipyrrinato)metal coordination polymers: crystallization, exfoliation into single wires, and electric conversion ability. <i>Chemical Science</i> , 2015, 6, 2853-2858.	3.7	59
125	A crystalline sponge based on dispersive forces suitable for X-ray structure determination of included molecular guests. <i>Chemical Science</i> , 2015, 6, 5466-5472.	3.7	54
126	Structural Insight into Guest Binding Sites in a Porous Homochiral Metal-Organic Material. <i>Journal of the American Chemical Society</i> , 2015, 137, 12045-12049.	6.6	91

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128	Targeted synthesis of a large triazine-based [4+6] organic molecular cage: structure, porosity and gas separation. <i>Chemical Communications</i> , 2015, 51, 1976-1979.	2.2	85
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136	Solid-State Molecular Nanomagnet Inclusion into a Magnetic Metal-Organic Framework: Interplay of the Magnetic Properties. <i>Chemistry - A European Journal</i> , 2016, 22, 539-545.	1.7	61
137	Undeniable Confirmation of the <i>syn</i> -Addition Mechanism for Metal-Free Diboration by Using the Crystalline Sponge Method. <i>Chemistry - A European Journal</i> , 2016, 22, 4723-4726.	1.7	52
138	Astelladiene: Structure Determination by NMR Spectroscopy and Crystalline Sponge Method, and Elucidation of its Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5785-5788.	7.2	138
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147	The crystalline sponge method updated. <i>IUCr</i> , 2016, 3, 139-151.	1.0	174
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149	Determination of absolute configuration using heavy atom based co-crystallization method: Halogen atom effects. <i>Journal of Molecular Structure</i> , 2016, 1119, 269-275.	1.8	4
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154	A saccharide-based crystalline sponge for hydrophilic guests. <i>Chemical Communications</i> , 2016, 52, 7013-7015.	2.2	40
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156	Networked Spin Cages: Tunable Magnetism and Lithium Ion Storage via Modulation of Spin-Electron Interactions. <i>Inorganic Chemistry</i> , 2016, 55, 9892-9897.	1.9	8
157	Allenoacetylenic Cage (AAC) Receptors: Chiroptical Switching and Enantioselective Complexation of <i>trans</i> -1,2-Dimethylcyclohexane in a Diaxial Conformation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14444-14449.	7.2	38
158	X-ray Structure Analysis of Ozonides by the Crystalline Sponge Method. <i>Journal of the American Chemical Society</i> , 2016, 138, 10140-10142.	6.6	70
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163	Reagents with a Crystalline Coat. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13706-13709.	7.2	25

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