

Linda J W Shimon

List of Publications by Year in descending order

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Version: 2024-02-01

274
papers

15,395
citations

17440

63
h-index

24258

110
g-index

290
all docs

290
docs citations

290
times ranked

13037
citing authors

#	ARTICLE	IF	CITATIONS
1	Coexistence of 1 st and 2 nd inclusion complexes of indigo carmine. <i>Chemical Communications</i> , 2022, 58, 3461-3464.	4.1	5
2	Guest Molecule-Mediated Energy Harvesting in a Conformationally Sensitive Peptide-Metal Organic Framework. <i>Journal of the American Chemical Society</i> , 2022, 144, 3468-3476.	13.7	49
3	Co-Assembly Induced Solid-State Stacking Transformation in Amino Acid-Based Crystals with Enhanced Physical Properties. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	23
4	Single amino acid bionanozyme for environmental remediation. <i>Nature Communications</i> , 2022, 13, 1505.	12.8	66
5	Co-Assembly Induced Solid-State Stacking Transformation in Amino Acid-Based Crystals with Enhanced Physical Properties. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
6	Atomic insight into short helical peptide comprised of consecutive multiple aromatic residues. <i>Chemical Communications</i> , 2022, 58, 6445-6448.	4.1	2
7	Directing the Morphology, Packing, and Properties of Chiral Metal-Organic Frameworks by Cation Exchange**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	8
8	Iron-catalysed ring-opening metathesis polymerization of olefins and mechanistic studies. <i>Nature Catalysis</i> , 2022, 5, 494-502.	34.4	19
9	Ternary host-guest complexes with rapid exchange kinetics and photoswitchable fluorescence. <i>Chem</i> , 2022, 8, 2362-2379.	11.7	15
10	Modulation of physical properties of organic cocrystals by amino acid chirality. <i>Materials Today</i> , 2021, 42, 29-40.	14.2	25
11	Homogeneous Reforming of Aqueous Ethylene Glycol to Glycolic Acid and Pure Hydrogen Catalyzed by Pincer-Ruthenium Complexes Capable of Metal-Ligand Cooperation. <i>Chemistry - A European Journal</i> , 2021, 27, 4715-4722.	3.3	22
12	Molecular cannibalism: Sacrificial materials as precursors for hollow and multidomain single crystals. <i>Nature Communications</i> , 2021, 12, 957.	12.8	15
13	Hydroboration of Nitriles, Esters, and Carbonates Catalyzed by Simple Earth-Abundant Metal Triflate Salts. <i>Chemistry - an Asian Journal</i> , 2021, 16, 999-1006.	3.3	30
14	Solid-state packing dictates the unexpected solubility of aromatic peptides. <i>Cell Reports Physical Science</i> , 2021, 2, 100391.	5.6	10
15	Molecular engineering of piezoelectricity in collagen-mimicking peptide assemblies. <i>Nature Communications</i> , 2021, 12, 2634.	12.8	68
16	Autocatalytic and oscillatory reaction networks that form guanidines and products of their cyclization. <i>Nature Communications</i> , 2021, 12, 2994.	12.8	13
17	Self-Assembled Peptide Nano-Superstructure towards Enzyme Mimicking Hydrolysis. <i>Angewandte Chemie</i> , 2021, 133, 17301-17307.	2.0	12
18	Self-Assembled Peptide Nano-Superstructure towards Enzyme Mimicking Hydrolysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17164-17170.	13.8	69

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19	Unusual Surface Texture, Dimensions and Morphology Variations of Chiral and Single Crystals**. <i>Angewandte Chemie</i> , 2021, 133, 18404-18412.	2.0	5
20	Unusual Surface Texture, Dimensions and Morphology Variations of Chiral and Single Crystals**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18256-18264.	13.8	8
21	Modification of a Single Atom Affects the Physical Properties of Double Fluorinated Fmoc-Phe Derivatives. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9634.	4.1	9
22	Noncovalent Bonding Caught in Action: From Amorphous to Cocrystalline Molecular Thin Films. <i>ACS Nano</i> , 2021, 15, 14643-14652.	14.6	2
23	Pathway-Dependent Coordination Networks: Crystals versus Films. <i>Journal of the American Chemical Society</i> , 2021, 143, 16913-16918.	13.7	2
24	Ring Size Determines the Conformation, Global Aromaticity and Photophysical Properties of Macrocyclic Oligofurans. <i>Chemistry - A European Journal</i> , 2021, 27, 17794-17801.	3.3	7
25	Redox Noninnocent Nature of Acridine-Based Pincer Complexes of 3d Metals and C-C Bond Formation. <i>Organometallics</i> , 2020, 39, 279-285.	2.3	22
26	Accelerated charge transfer in water-layered peptide assemblies. <i>Energy and Environmental Science</i> , 2020, 13, 96-101.	30.8	39
27	Long-Range Spin-Selective Transport in Chiral Metal-Organic Crystals with Temperature-Activated Magnetization. <i>ACS Nano</i> , 2020, 14, 16624-16633.	14.6	51
28	Modulating the Optical Properties of BODIPY Dyes by Noncovalent Dimerization within a Flexible Coordination Cage. <i>Journal of the American Chemical Society</i> , 2020, 142, 17721-17729.	13.7	57
29	Metal-Ligand Cooperation Facilitates Bond Activation and Catalytic Hydrogenation with Zinc Pincer Complexes. <i>Journal of the American Chemical Society</i> , 2020, 142, 14513-14521.	13.7	41
30	Collagen-Inspired Helical Peptide Coassembly Forms a Rigid Hydrogel with Twisted Polyproline II Architecture. <i>ACS Nano</i> , 2020, 14, 9990-10000.	14.6	25
31	Tunable Mechanical and Optoelectronic Properties of Organic Cocrystals by Unexpected Stacking Transformation from H- to J- and X-Aggregation. <i>ACS Nano</i> , 2020, 14, 10704-10715.	14.6	61
32	Bioinspired Suprahelical Frameworks as Scaffolds for Artificial Photosynthesis. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45192-45201.	8.0	7
33	Facile H/D Exchange at (Hetero)Aromatic Hydrocarbons Catalyzed by a Stable Trans-Dihydride N-Heterocyclic Carbene (NHC) Iron Complex. <i>Journal of the American Chemical Society</i> , 2020, 142, 17131-17139.	13.7	33
34	Chiral and SHG-Active Metal-Organic Frameworks Formed in Solution and on Surfaces: Uniformity, Morphology Control, Oriented Growth, and Postassembly Functionalization. <i>Journal of the American Chemical Society</i> , 2020, 142, 14210-14221.	13.7	34
35	Self-Assembly of Aromatic Amino Acid Enantiomers into Supramolecular Materials of High Rigidity. <i>ACS Nano</i> , 2020, 14, 1694-1706.	14.6	86
36	Emergence of chirality and structural complexity in single crystals at the molecular and morphological levels. <i>Nature Communications</i> , 2020, 11, 380.	12.8	40

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37	High-Efficiency Fluorescence through Bioinspired Supramolecular Self-Assembly. ACS Nano, 2020, 14, 2798-2807.	14.6	49
38	Diphenylalanine-Derivative Peptide Assemblies with Increased Aromaticity Exhibit Metal-like Rigidity and High Piezoelectricity. ACS Nano, 2020, 14, 7025-7037.	14.6	59
39	Easier to Twist than Bend: The Scope of the Bridge Formation Approach to Naphthalenophane Synthesis. Organic Materials, 2020, 02, 323-329.	2.0	1
40	Reversible Temperature Dependent Dimerization of Transition Metal Substituted Quasi Wells-Dawson Polyfluoroxometalates. European Journal of Inorganic Chemistry, 2019, 2019, 482-485.	2.0	2
41	Modular Molecular Nanoplastics. ACS Nano, 2019, 13, 11097-11106.	14.6	8
42	A macrocyclic oligofuran: synthesis, solid state structure and electronic properties. Chemical Science, 2019, 10, 8527-8532.	7.4	22
43	Positive shift in corrole redox potentials leveraged by modest $\text{I}^2\text{-CF}_3$ -substitution helps achieve efficient photocatalytic C-H bond functionalization by group 13 complexes. Dalton Transactions, 2019, 48, 12279-12286.	3.3	24
44	Coassembly of Complementary Peptide Nucleic Acid into Crystalline Structures by Microfluidics. Small Methods, 2019, 3, 1900179.	8.6	5
45	Functional Coiled-Coil-like Assembly by Knob-into-Hole Packing of Single Heptad Repeat. ACS Nano, 2019, 13, 12630-12637.	14.6	5
46	CO_2 activation by manganese pincer complexes through different modes of metal-ligand cooperation. Dalton Transactions, 2019, 48, 14580-14584.	3.3	53
47	Superstructured metallocorroles for electrochemical CO_2 reduction. Chemical Communications, 2019, 55, 11912-11915.	4.1	16
48	A Nanoscopic View of Photoinduced Charge Transfer in Organic Nanocrystalline Heterojunctions. Journal of Physical Chemistry C, 2019, 123, 25031-25041.	3.1	2
49	Non-proteinaceous hydrolase comprised of a phenylalanine metallo-supramolecular amyloid-like structure. Nature Catalysis, 2019, 2, 977-985.	34.4	142
50	Bioinspired Stable and Photoluminescent Assemblies for Power Generation. Advanced Materials, 2019, 31, e1807481.	21.0	82
51	Aminomethylene-Phosphonate Analogue as a Cu(II) Chelator: Characterization and Application as an Inhibitor of Oxidation Induced by the Cu(II)-Prion Peptide Complex. Inorganic Chemistry, 2019, 58, 8995-9003.	4.0	1
52	Maximizing Property Tuning of Phosphorus Corrole Photocatalysts through a Trifluoromethylation Approach. Inorganic Chemistry, 2019, 58, 6184-6198.	4.0	27
53	Stable and optoelectronic dipeptide assemblies for power harvesting. Materials Today, 2019, 30, 10-16.	14.2	62
54	Perfluorophenyl-Bifuran: A Stable and Fluorescent Material Exhibiting Mechanofluorochromic Behavior. Helvetica Chimica Acta, 2019, 102, e1900027.	1.6	5

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55	Aerobic oxygenation catalyzed by first row transition metal complexes coordinated by tetradentate mono-carbon bridged bis-phenanthroline ligands: intra- <i>versus</i> intermolecular carbon-hydrogen bond activation. Dalton Transactions, 2019, 48, 6396-6407.	3.3	3
56	Rigid helical-like assemblies from a self-aggregating tripeptide. Nature Materials, 2019, 18, 503-509.	27.5	133
57	Mechanically rigid supramolecular assemblies formed from an Fmoc-guanine conjugated peptide nucleic acid. Nature Communications, 2019, 10, 5256.	12.8	24
58	Transition of Metastable Cross- β Crystals into Cross- β Fibrils by β -Turn Flipping. Journal of the American Chemical Society, 2019, 141, 363-369.	13.7	22
59	Reversible chromism of spiropyran in the cavity of a flexible coordination cage. Nature Communications, 2018, 9, 641.	12.8	148
60	Directed Molecular Structure Variations of Three-Dimensional Halogen-Bonded Organic Frameworks (XBOFs). Crystal Growth and Design, 2018, 18, 1967-1977.	3.0	26
61	Reversible photoswitching of encapsulated azobenzenes in water. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9379-9384.	7.1	110
62	Bioinspired Flexible and Tough Layered Peptide Crystals. Advanced Materials, 2018, 30, 1704551.	21.0	28
63	Singlet fission in self-assembled PDI nanocrystals. Nanoscale, 2018, 10, 20147-20154.	5.6	36
64	Opal-like Multicolor Appearance of Self-Assembled Photonic Array. ACS Applied Materials & Interfaces, 2018, 10, 20783-20789.	8.0	17
65	CO Oxidation by N ₂ O Homogeneously Catalyzed by Ruthenium Hydride Pincer Complexes Indicating a New Mechanism. Journal of the American Chemical Society, 2018, 140, 7061-7064.	13.7	52
66	Sorting of Molecular Building Blocks from Solution to Surface. Journal of the American Chemical Society, 2018, 140, 8162-8171.	13.7	10
67	Metal-Coordination-Induced Fusion Creates Hollow Crystalline Molecular Superstructures. Journal of the American Chemical Society, 2018, 140, 9132-9139.	13.7	21
68	Crystallization of Organic Molecules: Nonclassical Mechanism Revealed by Direct Imaging. ACS Central Science, 2018, 4, 1031-1036.	11.3	88
69	Helically Locked Tethered Twistacenes. Journal of the American Chemical Society, 2018, 140, 8086-8090.	13.7	64
70	A minimal length rigid helical peptide motif allows rational design of modular surfactants. Nature Communications, 2017, 8, 14018.	12.8	49
71	A Two-tailed Phosphopeptide Crystallizes to Form a Lamellar Structure. Angewandte Chemie - International Edition, 2017, 56, 3252-3255.	13.8	10
72	Strong Electro-optic Effect and Spontaneous Domain Formation in Self-Assembled Peptide Structures. Advanced Science, 2017, 4, 1700052.	11.2	19

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73	Formation of Alkanes by Aerobic Carbon–Carbon Bond Coupling Reactions Catalyzed by a Phosphovanadomolybdic Acid. <i>ACS Catalysis</i> , 2017, 7, 2725-2729.	11.2	9
74	Structural Analysis of Magnesium Chloride Complexes in Dimethoxyethane Solutions in the Context of Mg Batteries Research. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24909-24918.	3.1	93
75	Hydrogen–Atom Transfer Oxidation with H ₂ O ₂ Catalyzed by		

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91	Reversible Aromaticity Transfer in a Bora-Cycle: Boron-Ligand Cooperation. <i>Journal of the American Chemical Society</i> , 2016, 138, 13307-13313.	13.7	30
92	Formation of bacterial pilus-like nanofibres by designed minimalistic self-assembling peptides. <i>Nature Communications</i> , 2016, 7, 13482.	12.8	27
93	Molecular Engineering of Self-Assembling Diphenylalanine Analogues Results in the Formation of Distinctive Microstructures. <i>Chemistry of Materials</i> , 2016, 28, 4341-4348.	6.7	27
94	Regioselective (Cross-)Dimerization of Terminal Alkynes Catalyzed by an Iron Complex. <i>Angewandte Chemie</i> , 2016, 128, 7056-7059.	2.0	28
95	Manganese-Catalyzed Environmentally Benign Dehydrogenative Coupling of Alcohols and Amines to Form Aldimines and H ₂ : A Catalytic and Mechanistic Study. <i>Journal of the American Chemical Society</i> , 2016, 138, 4298-4301.	13.7	410
96	Coordination Chemistry of N-Heterocyclic Nitrenium-Based Ligands. <i>Chemistry - A European Journal</i> , 2015, 21, 6969-6969.	3.3	0
97	Cobalt-Catalyzed Hydrogenation of Esters to Alcohols: Unexpected Reactivity Trend Indicates Ester Enolate Intermediacy. <i>Angewandte Chemie</i> , 2015, 127, 12534-12537.	2.0	56
98	Mechanistic Aspects of Aryl-Halide Oxidative Addition, Coordination Chemistry, and Ring-Walking by Palladium. <i>Chemistry - A European Journal</i> , 2015, 21, 16113-16125.	3.3	11
99	Solid-State Crystal-to-Crystal Phase Transitions and Reversible Structure-Temperature Behavior of Phosphovanadomolybdic Acid, H ₅ PV ₂ Mo ₁₀ O ₄₀ . <i>Inorganic Chemistry</i> , 2015, 54, 628-634.	4.0	30
100	Design concept for $\hat{\pm}$ -hydrogen-substituted nitroxides. <i>Nature Communications</i> , 2015, 6, 6070.	12.8	26
101	Light-emitting self-assembled peptide nucleic acids exhibit both stacking interactions and Watson-Crick base pairing. <i>Nature Nanotechnology</i> , 2015, 10, 353-360.	31.5	136
102	Standalone cohesin as a molecular shuttle in cellulosome assembly. <i>FEBS Letters</i> , 2015, 589, 1569-1576.	2.8	14
103	Cobalt-Catalyzed Hydrogenation of Esters to Alcohols: Unexpected Reactivity Trend Indicates Ester Enolate Intermediacy. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12357-12360.	13.8	166
104	How Innocent are Potentially Redox Non-Innocent Ligands? Electronic Structure and Metal Oxidation States in Iron-PNN Complexes as a Representative Case Study. <i>Inorganic Chemistry</i> , 2015, 54, 4909-4926.	4.0	76
105	Coordination Chemistry of N-Heterocyclic Nitrenium-Based Ligands. <i>Chemistry - A European Journal</i> , 2015, 21, 7099-7110.	3.3	45
106	Crystal structure of disodium 2-amino-6-oxo-6,7-dihydro-1 <i>H</i> -purine-1,7-diide heptahydrate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, 281-283.	0.5	3
107	Synthesis and stability of cyclic $\hat{\pm}$ -hydrogen nitroxides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10726-10733.	2.8	14
108	Finding the Perfect Match: Halogen vs Hydrogen Bonding. <i>Crystal Growth and Design</i> , 2015, 15, 4756-4759.	3.0	25

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109	Novel crown-etherâ€“methylenediphosphonotetrathioate hybrids as Zn(scp^{ii}) chelators. Dalton Transactions, 2015, 44, 21073-21080.	3.3	0
110	Reassembly and co-crystallization of a family 9 processive endoglucanase from its component parts: structural and functional significance of the intermodular linker. PeerJ, 2015, 3, e1126.	2.0	29
111	System with Potential Dual Modes of Metalâ€“Ligand Cooperation: Highly Catalytically Active Pyridineâ€“Based PNNHâ€“Ru Pincer Complexes. Chemistry - A European Journal, 2014, 20, 15727-15731.	3.3	114
112	Structural characterization of a novel autonomous cohesin from <i>Ruminococcus flavefaciens</i> . Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 450-456.	0.8	3
113	Felix Frolow (1947â€“2014). Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1443-1444.	0.8	0
114	Highly Coplanar Very Long Oligo(alkylfuran)s: A Conjugated System with Specific Head-To-Head Defect. Journal of the American Chemical Society, 2014, 136, 2592-2601.	13.7	67
115	Dicobalt- $\frac{1}{4}$ -oxo Polyoxometalate Compound, $[(\mu_2\text{-P}_2\text{W}_{17}\text{O}_{61}\text{Co})_2\text{O}]^{14-}$: A Potent Species for Water Oxidation, Câ€“H Bond Activation, and Oxygen Transfer. Inorganic Chemistry, 2014, 53, 1779-1787.	4.0	30
116	Cationâ€“cation bonding in nitrenium metal complexes. Chemical Science, 2014, 5, 1305.	7.4	44
117	Fine-structural variance of family 3 carbohydrate-binding modules as extracellular biomass-sensing components of <i>Clostridium thermocellum</i> anti- β -glucanase factors. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 522-534.	2.5	26
118	Novel Cu(I)-Selective Chelators Based on a Bis(phosphorothioyl)amide Scaffold. Inorganic Chemistry, 2014, 53, 7901-7908.	4.0	3
119	Os(VI)O ₂ /K Metalâ€“Organic Frameworks: Infinite Chain, Grid, and Porous Networks. Crystal Growth and Design, 2014, 14, 2703-2708.	3.0	0
120	Bâ€“H Bond Cleavage via Metalâ€“Ligand Cooperation by Dearomatized Ruthenium Pincer Complexes. Organometallics, 2014, 33, 3716-3726.	2.3	48
121	Asymmetric Bis(formamidinate) Group 4 Complexes: Synthesis, Structure and Their Reactivity in the Polymerization of μ_2 -Olefins. Organometallics, 2014, 33, 3119-3136.	2.3	27
122	Direct Observation of Reductive Elimination of MeX (X = Cl, Br, I) from Rh ^{III} Complexes: Mechanistic Insight and the Importance of Sterics. Journal of the American Chemical Society, 2013, 135, 11040-11047.	13.7	48
123	Synthesis, Structures, and Dearomatization by Deprotonation of Iron Complexes Featuring Bipyridine-based PNN Pincer Ligands. Inorganic Chemistry, 2013, 52, 9636-9649.	4.0	53
124	Synthesis and Structure of Group 4 Symmetric Amidinate Complexes and Their Reactivity in the Polymerization of μ_2 -Olefins. Organometallics, 2013, 32, 6337-6352.	2.3	47
125	Activation of Nitriles by Metal Ligand Cooperation. Reversible Formation of Ketimido- and Enamido-Rhenium PNP Pincer Complexes and Relevance to Catalytic Design. Journal of the American Chemical Society, 2013, 135, 17004-17018.	13.7	110
126	Ru(0) and Ru(II) Nitrosyl Pincer Complexes: Structure, Reactivity, and Catalytic Activity. Inorganic Chemistry, 2013, 52, 11469-11479.	4.0	29

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127	Stabilization of unique valencies of cobalt, nickel and copper by complexation with the tridentate ligand 2-(2-pyridyl)-8-hydroxyquinoline. <i>Polyhedron</i> , 2013, 64, 365-370.	2.2	11
128	Atypical Cohesin-Dockerin Complex Responsible for Cell Surface Attachment of Cellulosomal Components. <i>Journal of Biological Chemistry</i> , 2013, 288, 16827-16838.	3.4	38
129	α -Diester Methylenebisphosphonotetrathioate: Synthesis, Characterization, and Potential Applications. <i>Journal of Organic Chemistry</i> , 2013, 78, 270-277.	3.2	11
130	Anionic Nickel(II) Complexes with Doubly Deprotonated PNP Pincer-Type Ligands and Their Reactivity toward CO_2 . <i>Organometallics</i> , 2013, 32, 300-308.	2.3	79
131	Stepwise Metal-Ligand Cooperation by a Reversible Aromatization/Deconjugation Sequence in Ruthenium Complexes with a Tetradentate Phenanthroline-Based Ligand. <i>Chemistry - A European Journal</i> , 2013, 19, 3407-3414.	3.3	49
132	Study of a bifuran vs. bithiophene unit for the rational design of π -conjugated systems. What have we learned?. <i>Chemical Communications</i> , 2013, 49, 6256.	4.1	71
133	Structure of a family 3a carbohydrate-binding module from the cellulosomal scaffoldin CipA of <i>Clostridium thermocellum</i> with flanking linkers: implications for cellulosome structure. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 733-737.	0.7	23
134	Oligofuran-containing molecules for organic electronics. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4358.	5.5	77
135	PNN Ruthenium Pincer Complexes Based on Phosphinated 2,2-Dipyridinemethane and 2-Oxobispyridine. Metal-Ligand Cooperation in Cyclometalation and Catalysis. <i>Organometallics</i> , 2013, 32, 2973-2982.	2.3	40
136	Hexagonal Supramolecular Assemblies Based on a RuII(DMSO) ₃ - or OsII(DMSO) ₃ -Capped {HW9O ₃₃ } Isopolyanion with Potassium Cations as Linkers. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1649-1653.	2.0	4
137	Crystal Structure of an Uncommon Cellulosome-Related Protein Module from <i>Ruminococcus flavefaciens</i> That Resembles Papain-Like Cysteine Peptidases. <i>PLoS ONE</i> , 2013, 8, e56138.	2.5	19
138	Crystallization and preliminary X-ray characterization of a type III cohesin-dockerin complex from the cellulosome system of <i>Ruminococcus flavefaciens</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 1116-1119.	0.7	4
139	PNS-Type Ruthenium Pincer Complexes. <i>Organometallics</i> , 2012, 31, 6207-6214.	2.3	45
140	N-H Activation by Rh(I) via Metal-Ligand Cooperation. <i>Organometallics</i> , 2012, 31, 4083-4101.	2.3	83
141	Structure of CBM3b of the major cellulosomal scaffoldin subunit ScaA from <i>Acetivibrio cellulolyticus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 8-13.	0.7	11
142	Reactivity of Long Conjugated Systems: Selectivity of Diels-Alder Cycloaddition in Oligofurans. <i>Organic Letters</i> , 2012, 14, 502-505.	4.6	35
143	A single mutation reforms the binding activity of an adhesion-deficient family 3 carbohydrate-binding module. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 819-828.	2.5	16
144	Photocatalytic Splitting of CS_2 to S_8 and a Carbon-Sulfur Polymer Catalyzed by a Bimetallic Ruthenium(II) Compound with a Tertiary Amine Binding Site: Toward Photocatalytic Splitting of CO_2 ?. <i>Inorganic Chemistry</i> , 2011, 50, 11273-11275.	4.0	10

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145	Efficient hydrogenation of organic carbonates, carbamates and formates indicates alternative routes to methanol based on CO ₂ and CO. <i>Nature Chemistry</i> , 2011, 3, 609-614.	13.6	563
146	Aliphatic and aromatic C-H activation of benzo[h]quinolines by Rh(I). Unique precursor dependent formation of mono-, di- and trinuclear complexes. <i>Inorganica Chimica Acta</i> , 2011, 369, 260-269.	2.4	4
147	Scaffoldin-borne family 3b carbohydrate-binding module from the cellulosome of <i>Bacteroides cellulosolvens</i> : structural diversity and significance of calcium for carbohydrate binding. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2011, 67, 506-515.	2.5	18
148	Noncellulosomal cohesin from the hyperthermophilic archaeon <i>Archaeoglobus fulgidus</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 50-60.	2.6	6
149	Low-Pressure Hydrogenation of Carbon Dioxide Catalyzed by an Iron Pincer Complex Exhibiting Noble Metal Activity. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9948-9952.	13.8	479
150	Effect of CO on the Oxidative Addition of Arene C-H Bonds by Cationic Rhodium Complexes. <i>Chemistry - A European Journal</i> , 2010, 16, 328-353.	3.3	49
151	Structure of a family 3b ² carbohydrate-binding module from the Cel9V glycoside hydrolase from <i>Clostridium thermocellum</i> : structural diversity and implications for carbohydrate binding. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2010, 66, 33-43.	2.5	18
152	N-H Activation of Amines and Ammonia by Ru via Metal-Ligand Cooperation. <i>Journal of the American Chemical Society</i> , 2010, 132, 8542-8543.	13.7	214
153	Cationic, Neutral, and Anionic PNP Pd ^{II} and Pt ^{II} Complexes: Dearomatization by Deprotonation and Double-Deprotonation of Pincer Systems. <i>Inorganic Chemistry</i> , 2010, 49, 1615-1625.	4.0	78
154	Long-Range Metal-Ligand Cooperation in H ₂ Activation and Ammonia-Promoted Hydride Transfer with a Ruthenium-Acridine Pincer Complex. <i>Journal of the American Chemical Society</i> , 2010, 132, 14763-14765.	13.7	129
155	Biochemical and Structural Properties of Chimeras Constructed by Exchange of Cofactor-Binding Domains in Alcohol Dehydrogenases from Thermophilic and Mesophilic Microorganisms. <i>Biochemistry</i> , 2010, 49, 1943-1953.	2.5	9
156	Synthesis and Reactivity of an Iridium(I) Acetyl PNP Complex. Experimental and Computational Study of Metal-Ligand Cooperation in H-H and C-H Bond Activation via Reversible Ligand Dearomatization. <i>Organometallics</i> , 2010, 29, 3817-3827.	2.3	97
157	Activation of Molecular Oxygen by a Dioxygenase Pathway by a Ruthenium Bis-bipyridine Compound with a Proximal Selenium Site. <i>Journal of the American Chemical Society</i> , 2010, 132, 517-523.	13.7	13
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