

# Alexander J Blake

## List of Publications by Year in Descending Order

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

1,002  
papers

36,917  
citations

91  
h-index

151  
g-index

1,090  
ext. papers

38,809  
ext. citations

5.8  
avg, IF

6.96  
L-index

#	Paper	IF	Citations
1002	Coordination chemistry of nitrile-functionalized mixed thia-aza macrocycles [9]aneNS and [9]aneNS towards silver(I).. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2022</b> , 78, 169-175	0.8	
1001	Exceptional Packing Density of Ammonia in a Dual-Functionalized Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 6586-6592	16.4	10
1000	A low molecular weight Zr(IV) metallogel for protein delivery. <i>Materials Today Communications</i> , <b>2021</b> , 27, 102448	2.5	
999	Multigram Synthesis of Trioxanes Enabled by a Supercritical CO2 Integrated Flow Process. <i>Organic Process Research and Development</i> , <b>2021</b> , 25, 1873-1881	3.9	1
998	Can Serendipity Still Hold Any Surprises in the Coordination Chemistry of Mixed-Donor Macrocylic Ligands? The Case Study of Pyridine-Containing 12-Membered Macrocylics and Platinum Group Metal Ions Pd, Pt, and Rh. <i>Molecules</i> , <b>2021</b> , 26,	4.8	3
997	Selective Gas Uptake and Rotational Dynamics in a (3,24)-Connected Metal-Organic Framework Material. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 3348-3358	16.4	19
996	Hydrophosphination of Activated Alkenes by a Cobalt(II) Pincer Complex. <i>Advanced Synthesis and Catalysis</i> , <b>2020</b> , 362, 3148-3157	5.6	7
995	A transition metal-gallium cluster formed via insertion of "Gal". <i>Chemical Communications</i> , <b>2020</b> , 56, 8139-8142	5.1	6
994	Porous Metal-Organic Polyhedra: Morphology, Porosity, and Guest Binding. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 15646-15658	5.1	6
993	Innovative Molecular Design Strategies in Materials Science Following the Auophilicity Concept. <i>Chemical Reviews</i> , <b>2020</b> , 120, 7551-7591	68.1	46
992	Guest-Controlled Incommensurate Modulation in a Meta-Rigid Metal-Organic Framework Material. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 19189-19197	16.4	9
991	Aza- and Mixed Thia/Aza-Macrocylic Receptors with Quinoline-Bearing Pendant Arms for Optical Discrimination of Zinc(II) or Cadmium(II) Ions. <i>ChemPlusChem</i> , <b>2020</b> , 85, 1789-1799	2.8	3
990	Two-Dimensional Networks of Thiocyanuric Acid and Imine Bases Assisted by Weak Hydrogen Bonds. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 5945-5954	3.5	4
989	Host-guest selectivity in a series of isorecticular metal-organic frameworks: observation of acetylene-to-alkyne and carbon dioxide-to-amide interactions. <i>Chemical Science</i> , <b>2019</b> , 10, 1098-1106	9.4	30
988	Reaction of imidazoline-2-selone derivatives with mesityltellurenyl iodide: a unique example of a 3c-4e Se->Te<-Se three-body system embedding a tellurenyl cation. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 11821-11831	3.6	3
987	[9]aneN-based fluorescent receptors for metal ion sensing, featuring urea and amide functional groups. <i>Dalton Transactions</i> , <b>2019</b> , 48, 4949-4960	4.3	10
986	A Highly Active Bidentate Magnesium Catalyst for Amine-Borane Dehydrocoupling: Kinetic and Mechanistic Studies. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 6840-6846	4.8	10

985	Unequivocal Experimental Evidence of the Relationship between Emission Energies and Auophilic Interactions. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 4954-4961	5.1	21
984	Iron(II)-Catalyzed Hydroamination of Isocyanates. <i>Organometallics</i> , <b>2019</b> , 38, 4115-4120	3.8	6
983	Electron crystallography. <i>IUCrJ</i> , <b>2019</b> , 6, 786-787	4.7	1
982	Heterobimetallic [NiFe] Complexes Containing Mixed CO/CN Ligands: Analogs of the Active Site of the [NiFe] Hydrogenases. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 2558-2569	5.1	11
981	Cu(II) complexes of a tridentate N,N,O-donor Schiff base of pyridoxal: synthesis, X-ray structures, DNA-binding properties and catecholase activity. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 9588-9597	3.6	28
980	Polycatenated 2D Hydrogen-Bonded Binary Supramolecular Organic Frameworks (SOFs) with Enhanced Gas Adsorption and Selectivity. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 2555-2562	3.5	33
979	Unusual and Tunable Negative Linear Compressibility in the Metal-Organic Framework MFM-133(M) (M = Zr, Hf). <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 3952-3958	16.4	41
978	Perylene Diimide Triple Helix Formation in the Solid State. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 802-807	3.5	9
977	Dehydrogenation of dimethylamine-borane mediated by Group 1 pincer complexes. <i>Chemical Communications</i> , <b>2018</b> , 54, 1825-1828	5.8	13
976	Structural diversity in the products formed by the reactions of 2-arylselanyl pyridine derivatives and dihalogens. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 10592-10602	3.6	6
975	An eight-coordinate zinc complex containing the highly pre-organized ligand 1,10-phenanthroline-2,9-dicarboxylic acid: Solvothermal synthesis, supramolecular structure and CSD studies. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1171, 626-630	3.4	12
974	Dehydrocoupling of dimethylamineBorane promoted by manganese(II) m-terphenyl complexes. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 229-235	5.5	10
973	Solid and solution states studies of two Mn(II) complexes based on N-oxidized pyridine-2,5-dicarboxylic acid. <i>Journal of Coordination Chemistry</i> , <b>2018</b> , 71, 4058-4071	1.6	8
972	High Volumetric Hydrogen Adsorption in a Porous Anthracene-Decorated Metal-Organic Framework. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 12050-12055	5.1	16
971	Selective reduction and homologation of carbon monoxide by organometallic iron complexes. <i>Nature Communications</i> , <b>2018</b> , 9, 3757	17.4	19
970	Rational Synthesis and Investigation of Porous Metal-Organic Framework Materials from a Preorganized Heterometallic Carboxylate Building Block. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 1599-1608	5.1	57
969	Tailoring porosity and rotational dynamics in a series of octacarboxylate metal-organic frameworks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 3056-3061	11.5	57
968	The inverse-trans-influence in tetravalent lanthanide and actinide bis(carbene) complexes. <i>Nature Communications</i> , <b>2017</b> , 8, 14137	17.4	94

967	1,8-Bis(silylamido)naphthalene complexes of magnesium and zinc synthesised through alkane elimination reactions. <i>Dalton Transactions</i> , <b>2017</b> , 46, 4101-4110	4.3	2
966	Iron(II)-Catalyzed Hydrophosphination of Isocyanates. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 4923-4926	3.6	4
965	Iron(II)-Catalyzed Hydrophosphination of Isocyanates. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 4845-4848	16.4	20
964	A monomeric, heterobimetallic complex with an unsupported MgBe bond. <i>Inorganica Chimica Acta</i> , <b>2017</b> , 458, 97-100	2.7	7
963	Halochromic coordination polymers based on a triarylmethane dye for reversible detection of acids. <i>Dalton Transactions</i> , <b>2017</b> , 46, 465-470	4.3	8
962	Gas adsorption and structural diversity in a family of Cu(II) pyridyl-isophthalate metal-organic framework materials. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2017</b> , 375,	3	9
961	Cyclotrimerisation of isocyanates catalysed by low-coordinate Mn(ii) and Fe(ii) m-terphenyl complexes. <i>Chemical Communications</i> , <b>2017</b> , 53, 937-940	5.8	25
960	Electronic Effects of Aromatic Rings on the Catalytic Activity of Dioxidomolybdenum(VI)Hydrazone Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 999-1006	2.3	41
959	Halogen-substituted ureas for anion binding: solid state and solution studies. <i>Supramolecular Chemistry</i> , <b>2017</b> , 29, 875-886	1.8	7
958	Total synthesis of (-)-aritasone via the ultra-high pressure hetero-Diels-Alder dimerisation of (-)-pinocarvone. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 8523-8528	3.9	9
957	Strukturbestimmungsmethoden zeigen ihre Stärke. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 11857-11858	3.6	
956	Porous Metal-Organic Polyhedral Frameworks with Optimal Molecular Dynamics and Pore Geometry for Methane Storage. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 13349-13360	16.4	69
955	Structure Determination Techniques Flex Their Muscles. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 11697-11698	16.4	
954	The effect of carboxylate position on the structure of a metal organic framework derived from cyclotrimeratrylene. <i>CrystEngComm</i> , <b>2017</b> , 19, 603-607	3.3	8
953	Piperazine-Based N4-Type 16-Membered Macrocyclics and Their Nickel(II) Complexes. <i>Macrocyclics</i> , <b>2017</b> , 10, 98-109	2.2	2
952	Selective Adsorption of Sulfur Dioxide in a Robust Metal-Organic Framework Material. <i>Advanced Materials</i> , <b>2016</b> , 28, 8705-8711	24	161
951	High-pressure studies of three polymorphs of a palladium(II) oxathioether macrocyclic complex. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2016</b> , 72, 357-71	1.8	4
950	Co(III) and Ni(II) complexes of an anthracene appended aroyl hydrazone: Synthesis, crystal structures, DNA binding and catecholase activity. <i>Polyhedron</i> , <b>2016</b> , 117, 327-337	2.7	27

949	Assembly of high nuclearity clusters from a family of tripodal tris-carboxylate ligands. <i>Polyhedron</i> , <b>2016</b> , 120, 18-29	2.7	4
948	Enhancement of CO <sub>2</sub> Adsorption and Catalytic Properties by Fe-Doping of [Ga <sub>2</sub> (OH) <sub>2</sub> (L)] (H <sub>4</sub> L = Biphenyl-3,3',5,5'-tetracarboxylic Acid), MFM-300(Ga <sub>2</sub> ). <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 1076-88	5.1	52
947	Aurophilicity under pressure: a combined crystallographic and in situ spectroscopic study. <i>Chemical Communications</i> , <b>2016</b> , 52, 6769-72	5.8	8
946	Emergence of comparable covalency in isostructural cerium(IV)- and uranium(IV)-carbon multiple bonds. <i>Chemical Science</i> , <b>2016</b> , 7, 3286-3297	9.4	76
945	Non-Interpenetrated Metal-Organic Frameworks Based on Copper(II) Paddlewheel and Oligoparaxylene-Isophthalate Linkers: Synthesis, Structure, and Gas Adsorption. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 3371-81	16.4	91
944	A monometallic lanthanide bis(methanediide) single molecule magnet with a large energy barrier and complex spin relaxation behaviour. <i>Chemical Science</i> , <b>2016</b> , 7, 155-165	9.4	264
943	Catecholase activity, DNA binding and cytotoxicity studies of a Cu(II) complex of a pyridoxal schiff base: synthesis, X-ray crystal structure, spectroscopic, electrochemical and theoretical studies. <i>RSC Advances</i> , <b>2016</b> , 6, 86851-86861	3.7	32
942	Amides Do Not Always Work: Observation of Guest Binding in an Amide-Functionalized Porous Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 14828-14831	16.4	38
941	Coordination Chemistry of 2,2'-Bipyridyl- and 2,2',6,6'-Terpyridyl-Substituted BEDT-TTFs: Formation of a Supramolecular Capsule Motif by the Iron(II) Tris Complex of 2,2'-Bipyridine-4-thiomethyl-BEDT-TTF. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 8543-51	5.1	4
940	Synthesis and characterisation of halide, separated ion pair, and hydride cyclopentadienyl iron bis(diphenylphosphino)ethane derivatives. <i>Dalton Transactions</i> , <b>2015</b> , 44, 14159-77	4.3	11
939	Triamidoamine uranium(IV)-arsenic complexes containing one-, two- and threefold U-As bonding interactions. <i>Nature Chemistry</i> , <b>2015</b> , 7, 582-90	17.6	98
938	Structural aspects of metal-organic framework-based energy materials research at Diamond. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2015</b> , 373,	3	2
937	An Inverted-Sandwich Diuranium $\eta^5$ -Cyclo-P Complex Supported by U-P $\sigma$ -Bonding. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 7174-7178	3.6	18
936	Tuning coordination in s-block carbazol-9-yl complexes. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 6949-56.8	4.8	11
935	Hirshfeld Surface Investigation of Structure-Directing Interactions within Dipicolinic Acid Derivatives. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 1697-1706	3.5	55
934	An Inverted-Sandwich Diuranium $\eta^5$ :( $\eta^5$ )-Cyclo-P <sub>5</sub> Complex Supported by U-P <sub>5</sub> $\sigma$ -Bonding. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7068-72	16.4	43
933	Control of Assembly of Dihydropyridyl and Pyridyl Molecules via Directed Hydrogen Bonding. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 4219-4224	3.5	9
932	Isolation of Elusive HAsAsH in a Crystalline Diuranium(IV) Complex. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 15250-4	16.4	40

931	Isolation of Elusive HASAsH in a Crystalline Diuranium(IV) Complex. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 15465-15469	5.6	5
930	Energy level tuning of blue emitting and electron transporting vinylene bis(vinyl quinolonyl)benzene derivatives: synthesis, characterisation, thin film characterisation and performance in OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 6652-6667	7.1	5
929	Alkaline Earth Complexes of a Sterically Demanding Guanidinate Ligand. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 5892-5902	2.3	14
928	Epitaxial Retrieval of a Disappearing Polymorph. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 115-123	3.5	10
927	Thorium Triamidoamine Complexes: Synthesis of an Unusual Dinuclear Tuck-in/Tuck-over Thorium Metallacycle Featuring the Longest Known Thorium-Alkyl Bond. <i>Organometallics</i> , <b>2015</b> , 34, 2386-2394	3.8	21
926	Expedient Synthesis of Homochiral 1-Aryl-Substituted 4,5-Dihydro-1H-imidazoles and Their Modification to N-Heterocyclic Carbene Precursors. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 1819-1823	3.2	2
925	Studies on metal-organic frameworks of Cu(II) with isophthalate linkers for hydrogen storage. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 296-307	24.3	239
924	Triamidoamine-uranium(IV)-stabilized terminal parent phosphide and phosphinidene complexes. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 4484-8	16.4	114
923	A novel bismuth-based metal-organic framework for high volumetric methane and carbon dioxide adsorption. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 8024-9	4.8	55
922	Synthesis, characterization, and reactivity of a uranium(VI) carbene imido oxo complex. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 6696-700	16.4	89
921	Modification of coordination networks through a photoinduced charge transfer process. <i>Chemical Science</i> , <b>2014</b> , 5, 539-544	9.4	25
920	Alkali metal derivatives of an ortho-phenylene diamine. <i>Dalton Transactions</i> , <b>2014</b> , 43, 4351-60	4.3	15
919	Synthesis and characterisation of magnesium complexes containing sterically demanding N,NKbis(aryl)amidinate ligands. <i>Dalton Transactions</i> , <b>2014</b> , 43, 4838-46	4.3	25
918	Preparation and structural analysis of (R)-cis-ethyl 2-sulfanylidenedecahydro-1,6-naphthyridine-6-carboxylate and (R)-trans-ethyl 2-oxooctahydro-1H-pyrrolo[3,2-c]pyridine-5-carboxylate. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2014</b> , 70, 1414-6	0.8	2
917	Reactivity of the uranium(IV) carbene complex [U(BIPM(TMS))(Cl)(Cl)Di(THF)](BIPM(TMS) = {C(PPh <sub>3</sub> SiMe <sub>3</sub> )} towards carbonyl and heteroallene substrates: metallo-Wittig, adduct formation, C-F bond activation, and [2 + 2]-cycloaddition reactions. <i>Dalton Transactions</i> , <b>2014</b> , 43, 14275-83	4.3	28
916	Dynamics of ground and excited state vibrational relaxation and energy transfer in transition metal carbonyls. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 11781-91	3.4	33
915	Analysis of high and selective uptake of CO <sub>2</sub> in an oxamide-containing {Cu <sub>2</sub> (OOCR) <sub>4</sub> } based metal-organic framework. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 7317-24	4.8	105
914	A robust binary supramolecular organic framework (SOF) with high CO <sub>2</sub> adsorption and selectivity. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 12828-31	16.4	220

913	Ligand influences on homoleptic Group 12 m-terphenyl complexes. <i>Dalton Transactions</i> , <b>2014</b> , 43, 14257-64	16.4	8
912	Synthesis and characterization of an f-block terminal parent imido [U <sup>IV</sup> NH] complex: a masked uranium(IV) nitride. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 5619-22	16.4	108
911	Influence of crown thioether ligands in the structures and of perhalophenyl groups in the optical properties of complexes with argentoaurophilic interactions. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 10471-84	5.1	13
910	The role of 5f-orbital participation in unexpected inversion of the E bond metathesis reactivity trend of triamidoamine thorium(IV) and uranium(IV) alkyls. <i>Chemical Science</i> , <b>2014</b> , 5, 2489-2497	9.4	76
909	Oxidovanadium(V) complexes containing hydrazone based O,N,O-donor ligands: Synthesis, structure, catalytic properties and theoretical calculations. <i>Polyhedron</i> , <b>2014</b> , 69, 90-102	2.7	49
908	High-pressure studies of palladium and platinum thioether macrocyclic dihalide complexes. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2014</b> , 70, 469-86	1.8	5
907	Structural chemistry of metal coordination complexes at high pressure. <i>Coordination Chemistry Reviews</i> , <b>2014</b> , 277-278, 187-207	23.2	22
906	Synthesis, spectroscopic studies, X-ray crystal structures, electrochemical properties and DFT calculations of three Ni(II) complexes of aroyl hydrazone ligands bearing anthracene moiety. <i>Polyhedron</i> , <b>2014</b> , 80, 272-281	2.7	11
905	Crystal structure of {2,2K[ethyl-enebis(nitrilo-methanylyl-idene)]diphenolato-(4) O,N,N,O}oxidovanadium(IV) methanol monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2014</b> , 70, m380-1		1
904	Isolation and Characterisation of 2-Tert-butyl-8-hydroxyquinoline as a Crystalline Solid and Its Blue Fluorescent Li Complex. <i>Advances in Materials Science and Engineering</i> , <b>2014</b> , 2014, 1-5	1.5	
903	TriamidoamineUranium(IV)-Stabilized Terminal Parent Phosphide and Phosphinidene Complexes. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 4573-4577	3.6	35
902	Synthesis, Characterization, and Reactivity of a Uranium(VI) Carbene Imido Oxo Complex. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 6814-6818	3.6	26
901	Two-Electron Reductive Carbonylation of Terminal Uranium(V) and Uranium(VI) Nitrides to Cyanate by Carbon Monoxide. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 10580-10583	3.6	20
900	The ketimide ligand is not just an inert spectator: heteroallene insertion reactivity of an actinide-ketimide linkage in a thorium carbene amide ketimide complex. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 9356-9	16.4	31
899	Two-electron reductive carbonylation of terminal uranium(V) and uranium(VI) nitrides to cyanate by carbon monoxide. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 10412-5	16.4	78
898	The Ketimide Ligand is Not Just an Inert Spectator: Heteroallene Insertion Reactivity of an ActinideKetimide Linkage in a Thorium Carbene Amide Ketimide Complex. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 9510-9513	3.6	8
897	New dicoumarol sodium compound: crystal structure, theoretical study and tumoricidal activity against osteoblast cancer cells. <i>Chemistry Central Journal</i> , <b>2013</b> , 7, 110		6
896	Reductive assembly of cyclobutadienyl and diphosphacyclobutadienyl rings at uranium. <i>Nature Communications</i> , <b>2013</b> , 4, 2323	17.4	39

895	Manganese(II) and copper(II) nitrate bis-imidazole coordination polymers: dimensionality and product morphology. <i>CrystEngComm</i> , <b>2013</b> , 15, 9704	3.3	5
894	Cubane and dicubane complexes stabilised by sterically demanding m-terphenyl ligands. <i>Chemical Communications</i> , <b>2013</b> , 49, 9752-4	5.8	8
893	Modulating the packing of [Cu <sub>24</sub> (isophthalate) <sub>24</sub> ] cuboctahedra in a triazole-containing metal-organic polyhedral framework. <i>Chemical Science</i> , <b>2013</b> , 4, 1731	9.4	117
892	η <sup>2</sup> -Diketimate Derivatives of Alkali Metals and Uranium. <i>Organometallics</i> , <b>2013</b> , 32, 5058-5070	3.8	20
891	A triamido-uranium(V) inverse-sandwich 10 <sup>+</sup> -toluene tetraanion arene complex. <i>Dalton Transactions</i> , <b>2013</b> , 42, 5224-7	4.3	38
890	Heterometallic gold(I)-thallium(I) compounds with crown thioethers. <i>Dalton Transactions</i> , <b>2013</b> , 42, 11559-70	4.3	18
889	Five coordinate M(II)-diphenolate [M = Zn(II), Ni(II), and Cu(II)] Schiff base complexes exhibiting metal- and ligand-based redox chemistry. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 660-70	5.1	33
888	Structural diversity in alkali metal complexes of sterically demanding carbazol-9-yl ligands. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 2678-83	5.1	12
887	Bis-thioether-substituted perylene diimides: structural, electrochemical, and spectroelectrochemical properties. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 2853-62	4.2	10
886	Irreversible network transformation in a dynamic porous host catalyzed by sulfur dioxide. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 4954-7	16.4	103
885	Reactivity of the Yttrium Alkyl Carbene Complex [Y(BIPM)(CH <sub>2</sub> C <sub>6</sub> H <sub>5</sub> )(THF)] (BIPM = {C(PPh <sub>2</sub> NSiMe <sub>3</sub> ) <sub>2</sub> }) <sub>2</sub> ] From Insertions, Substitutions, and Additions to Nontypical Transformations. <i>Organometallics</i> , <b>2013</b> , 32, 1251-1264	3.8	36
884	Bowing to the pressure of π-π interactions: bending of phenyl rings in a palladium(II) thioether crown complex. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 5093-5	16.4	16
883	Single-molecule magnetism in a single-ion triamidoamine uranium(V) terminal mono-oxo complex. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 4921-4	16.4	118
882	The nature of the U=C double bond: pushing the stability of high-oxidation-state uranium carbenes to the limit. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 7071-83	4.8	92
881	Two approaches to the aromatic core of the aminonaphthoquinone antibiotics. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 5587-603	4.2	17
880	Isolation and characterization of a uranium(VI)-nitride triple bond. <i>Nature Chemistry</i> , <b>2013</b> , 5, 482-8	17.6	204
879	Reactivity Studies of a T-Shaped Yttrium Carbene: C-H and C-D Bond Activation and C-C Bond Formation Promoted by [Y(BIPM)(I)(THF) <sub>2</sub> ] (BIPM = C(PPh <sub>2</sub> NSiMe <sub>3</sub> ) <sub>2</sub> ). <i>Organometallics</i> , <b>2013</b> , 32, 1239-1250	3.8	34
878	Alkaline earth complexes of silylated aminopyridinato ligands: homoleptic compounds and heterobimetallic coordination polymers. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 12429-39	5.1	22



877	Porphyrin-Based Metal Organic Frameworks: Unusual examples of Mn(II) carboxylate frameworks containing free-base porphyrins.. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , <b>2013</b> , 228, 335-342		3
876	A cerium(IV)-carbon multiple bond. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 13016-9	16.4	78
875	Conformational isomerism in monomeric, low-coordinate group 12 complexes stabilized by a naphthyl-substituted m-terphenyl ligand. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 11446-53	4.8	5
874	A Cerium(IV)Carbon Multiple Bond. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 13254-13257	3.6	34
873	Bowing to the Pressure of $\pi$ - $\pi$ Interactions: Bending of Phenyl Rings in a Palladium(II) Thioether Crown Complex. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 5197-5199	3.6	3
872	An Actinide Zintl Cluster: A Tris(triamidouranium)B-D-D-Heptaphosphanortricyclane and Its Diverse Synthetic Utility. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 13576-13579	3.6	25
871	An actinide Zintl cluster: a tris(triamidouranium)B-D-D-heptaphosphanortricyclane and its diverse synthetic utility. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 13334-7	16.4	54
870	Single-Molecule Magnetism in a Single-Ion Triamidoamine Uranium(V) Terminal Mono-Oxo Complex. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 5021-5024	3.6	40
869	Synthesis and Characterisation of Lanthanide N-Trimethylsilyl and -Mesityl Functionalised Bis(iminophosphorano)methanides and -Methanediides. <i>Inorganics</i> , <b>2013</b> , 1, 46-69	2.9	13
868	Methanol[1-(methoxymethanimidoyl)-2-(pyridin-2-ylmethyl)guanidine]bis(perchlorato)copper(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2012</b> , 68, m143-6		4
867	Short Synthesis of Chiral 4-Substituted (S)-Imidazolium Salts Bearing Sulfonates and Their Use in Selective Reactions of Allylic Halides with Grignard Reagents. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, 699-707	3.2	17
866	1,3-Ninhydrin dihydrazone featuring an R <sub>4</sub> (4)(12) motif with 4 symmetry and comprising only N and H atoms. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2012</b> , 68, o362-4		1
865	Novel lithium Schiff-base cluster complexes as electron injectors: synthesis, crystal structure, thin film characterisation and their performance in OLEDs. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 6104		19
864	Magnetic properties of a novel family of ferrous cubanes. <i>Chemical Communications</i> , <b>2012</b> , 48, 2430-2	5.8	13
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861	High-nuclearity metal-organic nanospheres: a Cd <sub>66</sub> ball. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 55-8	16.4	57
860	Synthesis of a uranium(VI)-carbene: reductive formation of uranyl(V)-methanides, oxidative preparation of a [R <sub>2</sub> C=U=O] <sup>2+</sup> analogue of the [O=U=O] <sup>2+</sup> uranyl ion (R = Ph <sub>2</sub> PNSiMe <sub>3</sub> ), and comparison of the nature of U(IV)=C, U(V)=C, and U(VI)=C double bonds. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 10047-54	16.4	147

859	Redox non-innocence of thioether crowns: elucidation of the electronic structure of the mononuclear Pd(III) complexes [Pd([9]aneS3)2]3+ and [Pd([18]aneS6)]3+. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 1450-61	5.1	15
858	Synthesis and structure of a terminal uranium nitride complex. <i>Science</i> , <b>2012</b> , 337, 717-20	33.3	251
857	Near-critical water, a cleaner solvent for the synthesis of a metal-organic framework. <i>Green Chemistry</i> , <b>2012</b> , 14, 117-122	10	43
856	Selectivity and direct visualization of carbon dioxide and sulfur dioxide in a decorated porous host. <i>Nature Chemistry</i> , <b>2012</b> , 4, 887-94	17.6	396
855	Low-coordinate cobalt(II) terphenyl complexes: precursors to sterically encumbered ketones. <i>Chemical Communications</i> , <b>2012</b> , 48, 8910-2	5.8	20
854	Fluorescent probe for detection of bacteria: conformational trigger upon bacterial reduction of an azo bridge. <i>Chemical Communications</i> , <b>2012</b> ,	5.8	13
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851	Synthesis and characterisation of BODIPY radical anions. <i>Chemical Communications</i> , <b>2012</b> , 48, 1751-3	5.8	32
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848	A partially interpenetrated metal-organic framework for selective hysteretic sorption of carbon dioxide. <i>Nature Materials</i> , <b>2012</b> , 11, 710-6	27	389
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844	Differences in the pattern and regulation of mineral deposition in human cell lines of osteogenic and non-osteogenic origin. <i>Cells Tissues Organs</i> , <b>2012</b> , 195, 484-94	2.1	12
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841	Encapsulation of transition metal atoms into carbon nanotubes: a supramolecular approach. <i>Chemical Communications</i> , <b>2011</b> , 47, 5696-8	5.8	21
840	Highly porous and robust scandium-based metal-organic frameworks for hydrogen storage. <i>Chemical Communications</i> , <b>2011</b> , 47, 8304-6	5.8	130
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834	Pore with gate: modulating hydrogen storage in metal-organic framework materials via cation exchange. <i>Faraday Discussions</i> , <b>2011</b> , 151, 19-36; discussion 95-115	3.6	46
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829	A radical pathway to synthesise Mo and W dithiolene complexes. <i>Chemical Communications</i> , <b>2011</b> , 47, 953-4	5.8	3
828	Synthesis, structure and redox properties of bis(cyclopentadienyl)dithiolene complexes of molybdenum and tungsten. <i>Dalton Transactions</i> , <b>2011</b> , 40, 10457-72	4.3	11
827	Synthesis, X-Ray Crystal Structure and Spectroscopic Properties of 1,2,3,4-Tetrahydro-2-(thenyl)-3-(N-thenylidene)-4-oxoquinazoline. <i>Journal of Chemical Crystallography</i> , <b>2011</b> , 41, 986-990	0.5	2
826	Uranium-Carbon Multiple Bonding: Facile Access to the Pentavalent Uranium Carbene [U{C(PPH <sub>2</sub> NSiMe <sub>3</sub> ) <sub>2</sub> }(Cl) <sub>2</sub> (l)] and Comparison of UV?C and UIV?C Bonds. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 2431-2434	3.6	43
825	A Formal High Oxidation State Inverse-Sandwich Diuranium Complex: A New Route to f-Block-Metal Bonds. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 10572-10576	3.6	32
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815	The nature of unsupported uranium-ruthenium bonds: a combined experimental and theoretical study. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 11266-73	4.8	58
814	A perylene diimide rotaxane: synthesis, structure and electrochemically driven de-threading. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 14746-51	4.8	26
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796	Regioselective C-H activation and sequential C-C and C-O bond formation reactions of aryl ketones promoted by an yttrium carbene. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 14379-81	16.4	99
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794	Synthesis and structure of [U{C(PPh <sub>2</sub> NMes) <sub>2</sub> } <sub>2</sub> ] (Mes = 2,4,6-Me <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ): A homoleptic uranium bis(carbene) complex with two formal U=C double bonds. <i>Dalton Transactions</i> , <b>2010</b> , 39, 5074-6	4.3	74
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781	Preparation of 1,1'-Oxy-bis(3,3-bis(trifluoromethyl)-3(1H)-1,2-benziodoxole) and 2-(N-(p-Toluenesulfonyl)imino)iodobenzylmethyl Ether. <i>Synthetic Communications</i> , <b>2009</b> , 39, 1065-1075	1.7	17
780	Enhancement of H <sub>2</sub> adsorption in coordination framework materials by use of ligand curvature. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 4829-35	4.8	106
779	Selective extraction and transport of the [PtCl <sub>6</sub> ] <sup>2-</sup> anion through outer-sphere coordination chemistry. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 4836-50	4.8	54
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777	Sigma and pi donation in an unsupported uranium-gallium bond. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 1077-80	16.4	123
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775	A new polymorph of poly[bis( $\mu_2$ -perchlorato-kappa2O:O)(2,2,6,6-tetrapyridine-kappa3N,N,N,N)-lead(II)] with a greatly extended chain repeat distance. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2009</b> , 65, m33-6		2
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773	Asymmetric conjugate additions to 1,1'-diactivated cyclic enones comparative study. <i>Tetrahedron: Asymmetry</i> , <b>2009</b> , 20, 1881-1891		35
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771	Exceptionally high H <sub>2</sub> storage by a metal-organic polyhedral framework. <i>Chemical Communications</i> , <b>2009</b> , 1025-7	5.8	289
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769	Heteroleptic [M(CH <sub>2</sub> C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> (I)(THF) <sub>3</sub> ] Complexes (M = Y or Er): Remarkably Stable Precursors to Yttrium and Erbium T-Shaped Carbenes. <i>Organometallics</i> , <b>2009</b> , 28, 6771-6776	3.8	57
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767	Synthesis and coordination properties of quinoline pendant arm derivatives of [9]aneN(3) and [9]aneN(2)S as fluorescent zinc sensors. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 9236-49	5.1	66
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763	Differing coordination environments in transition metal derivatives of 1,8-bis(silylamido)naphthalene ligands. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 10837-44	5.1	14
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629	Stereoselectivity in reactions of atropisomeric lactams and imides. <i>Tetrahedron</i> , <b>2004</b> , 60, 4491-4511	2.4	47
628	Intramolecular cyclization of 4,7-bis(2-bromoacetyl)-1-thia-4,7-diazacyclononane. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2004</b> , 60, o100-2		2
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398	Synthesis, characterization and reactivity of cis-Ru (L)(PPh <sub>3</sub> ) Cl <sub>2</sub> ; L = 2-pyridyl-N-(2-methylthiophenylmethyleneimine) crystal structure of cis-Ru(L)(PPh <sub>3</sub> )Cl <sub>2</sub> and [Ru(L)(PPh <sub>3</sub> )(bpy)](ClO <sub>4</sub> ) <sub>2</sub> . <i>Polyhedron</i> , <b>1998</b> , 17, 1897-1906	2.7	9
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396	Coordination and self-assembly in the crystal structure of K[AsMe <sub>2</sub> S <sub>2</sub> ] · 2H <sub>2</sub> O. <i>Polyhedron</i> , <b>1998</b> , 17, 4115-4119	2.7	5
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394	Synthesis and characterisation of tetramethylammonium selenosulfate(VI) tetrahydrate, (NMe <sub>4</sub> ) <sub>2</sub> SeSO <sub>3</sub> · 4H <sub>2</sub> O. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1998</b> , 3-4		2
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