

Martin Schroder

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518
papers

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82
h-index

146
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547
ext. papers

29,121
ext. citations

8.4
avg, IF

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L-index

#	Paper	IF	Citations
518	Inorganic crystal engineering using self-assembly of tailored building-blocks. <i>Coordination Chemistry Reviews</i> , 1999 , 183, 117-138	23.2	1513
517	Supramolecular design of one-dimensional coordination polymers based on silver(I) complexes of aromatic nitrogen-donor ligands. <i>Coordination Chemistry Reviews</i> , 2001 , 222, 155-192	23.2	1049
516	High capacity hydrogen adsorption in Cu(II) tetracarboxylate framework materials: the role of pore size, ligand functionalization, and exposed metal sites. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2159-71	16.4	670
515	High H ₂ adsorption by coordination-framework materials. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7358-64	16.4	663
514	New approaches to the analysis of high connectivity materials: design frameworks based upon 4(4)- and 6(3)-subnet tectons. <i>Accounts of Chemical Research</i> , 2005 , 38, 335-48	24.3	519
513	Osmium tetroxide cis hydroxylation of unsaturated substrates. <i>Chemical Reviews</i> , 1980 , 80, 187-213	68.1	473
512	Anion Control in Bipyridylsilver(I) Networks: A Helical Polymeric Array. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2327-2329		404
511	Selectivity and direct visualization of carbon dioxide and sulfur dioxide in a decorated porous host. <i>Nature Chemistry</i> , 2012 , 4, 887-94	17.6	396
510	OLEX: new software for visualization and analysis of extended crystal structures. <i>Journal of Applied Crystallography</i> , 2003 , 36, 1283-1284	3.8	392
509	Supramolecular binding and separation of hydrocarbons within a functionalized porous metal-organic framework. <i>Nature Chemistry</i> , 2014 , 7, 121-9	17.6	391
508	A partially interpenetrated metal-organic framework for selective hysteretic sorption of carbon dioxide. <i>Nature Materials</i> , 2012 , 11, 710-6	27	389
507	Cation-induced kinetic trapping and enhanced hydrogen adsorption in a modulated anionic metal-organic framework. <i>Nature Chemistry</i> , 2009 , 1, 487-93	17.6	361
506	Solvent Control in the Synthesis of 3,6-Bis(pyridin-3-yl)-1,2,4,5-tetrazine-Bridged Cadmium(II) and Zinc(II) Coordination Polymers. <i>Inorganic Chemistry</i> , 1999 , 38, 2259-2266	5.1	296
505	Exceptionally high H ₂ storage by a metal-organic polyhedral framework. <i>Chemical Communications</i> , 2009 , 1025-7	5.8	289
504	Exceptional thermal stability in a supramolecular organic framework: porosity and gas storage. <i>Journal of the American Chemical Society</i> , 2010 , 132, 14457-69	16.4	281
503	A porous framework polymer based on a zinc(II) 4,4'N,N'-bipyridine-2,6,2,N,N'-tetracarboxylate: synthesis, structure, and "zeolite-like" behaviors. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10745-53	16.4	281
502	Chemistry of Thioether Macroyclic Complexes. <i>Advances in Inorganic Chemistry</i> , 1990 , 35, 1-80	2.1	281

501	Metal-organic polyhedral frameworks: high h(2) adsorption capacities and neutron powder diffraction studies. <i>Journal of the American Chemical Society</i> , 2010 , 132, 4092-4	16.4	269
500	Hydrogen storage in metalorganic frameworks. <i>CrystEngComm</i> , 2007 , 9, 438-448	3.3	265
499	Studies on metal-organic frameworks of Cu(II) with isophthalate linkers for hydrogen storage. <i>Accounts of Chemical Research</i> , 2014 , 47, 296-307	24.3	239
498	Lanthanum coordination networks based on unusual five-connected topologies. <i>Journal of the American Chemical Society</i> , 2001 , 123, 3401-2	16.4	222
497	A robust binary supramolecular organic framework (SOF) with high CO ₂ adsorption and selectivity. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12828-31	16.4	220
496	Twelve-connected porous metal-organic frameworks with high H(2) adsorption. <i>Chemical Communications</i> , 2007 , 840-2	5.8	217
495	Topological isomerism in coordination polymers. <i>Chemical Communications</i> , 2001 , 1432-1433	5.8	209
494	High capacity gas storage by a 4,8-connected metal-organic polyhedral framework. <i>Chemical Communications</i> , 2011 , 47, 4487-9	5.8	203
493	Random tiling and topological defects in a two-dimensional molecular network. <i>Science</i> , 2008 , 322, 1077 ³⁸¹ 200		
492	In situ ligand synthesis and construction of an unprecedented three-dimensional array with silver(I): a new approach to inorganic crystal engineering. <i>Chemical Communications</i> , 1997 , 1675-1676	5.8	183
491	Non-natural eight-connected solid-state materials: a new coordination chemistry. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 1851-4	16.4	174
490	Structural and dynamic studies of substrate binding in porous metal-organic frameworks. <i>Chemical Society Reviews</i> , 2017 , 46, 239-274	58.5	166
489	Selective Adsorption of Sulfur Dioxide in a Robust Metal-Organic Framework Material. <i>Advanced Materials</i> , 2016 , 28, 8705-8711	24	161
488	Control of interpenetrating copper(I) adamantoid networks:synthesis and structure of{[Cu(bpe) ₂]BF ₄ }n. <i>Chemical Communications</i> , 1997 , 1005-1006	5.8	160
487	Lanthanide co-ordination frameworks of 4,4'-bipyridine-N,N'-dioxide. <i>Chemical Communications</i> , 2000 , 1369-1370	5.8	156
486	Proton Conduction in a Phosphonate-Based Metal-Organic Framework Mediated by Intrinsic "Free Diffusion inside a Sphere". <i>Journal of the American Chemical Society</i> , 2016 , 138, 6352-5	16.4	156
485	Anion control over interpenetration and framework topology in coordination networks based on homoleptic six-connected scandium nodes. <i>Chemistry - A European Journal</i> , 2005 , 11, 1384-91	4.8	155
484	Enhancement of H ₂ adsorption in Li ⁺ -exchanged co-ordination framework materials. <i>Chemical Communications</i> , 2008 , 6108-10	5.8	152

483	Unprecedented Seven- and Eight-Connected Lanthanide Coordination Networks. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 2443-2447	16.4	152
482	Modulation of the electronic structure and the Ni-Fe distance in heterobimetallic models for the active site in [NiFe]hydrogenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 18280-5	11.5	150
481	Controlling copper(I) halide framework formation using N-donor bridging ligand symmetry: use of 1,3,5-triazine to construct architectures with threefold symmetry. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 2103-2110	14.7	
480	Template self-assembly of polyiodide networks. <i>Chemical Society Reviews</i> , 1998 , 27, 195	58.5	142
479	Schiff-base compartmental macrocyclic complexes. <i>Chemical Communications</i> , 1996 , 457-464	5.8	141
478	Unravelling exceptional acetylene and carbon dioxide adsorption within a tetra-amide functionalized metal-organic framework. <i>Nature Communications</i> , 2017 , 8, 14085	17.4	135
477	Confinement of Iodine Molecules into Triple-Helical Chains within Robust Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017 , 139, 16289-16296	16.4	132
476	Highly porous and robust scandium-based metal-organic frameworks for hydrogen storage. <i>Chemical Communications</i> , 2011 , 47, 8304-6	5.8	130
475	Polycatenated copper(I) molecular ladders: a new structural motif in inorganic coordination polymers. <i>Chemical Communications</i> , 1997 , 2027-2028	5.8	127
474	Constructing terbium co-ordination polymers of 4,4'N,N'-bipyridine-N,N'-dioxide by means of diffusion solvent mixtures. <i>Chemistry - A European Journal</i> , 2002 , 8, 2026-33	4.8	127
473	Guest-induced growth of a surface-based supramolecular bilayer. <i>Nature Chemistry</i> , 2011 , 3, 74-8	17.6	125
472	A mesoporous metal-organic framework constructed from a nanosized C3-symmetric linker and [Cu ₂₄ (isophthalate) ₂₄] cuboctahedra. <i>Chemical Communications</i> , 2011 , 47, 9995-7	5.8	122
471	Columnar mesomorphism from hemi-disklike metallomesogens derived from 2,6-bis[3,N,N',5,N'-tri(alkoxy)phenyliminomethyl]pyridines (L): crystal and molecular structures of [M(L)Cl ₂] (M=Mn, Ni, Zn). <i>Chemistry - A European Journal</i> , 2003 , 9, 2484-501	4.8	122
470	Directing two-dimensional molecular crystallization using guest templates. <i>Chemical Communications</i> , 2008 , 2304-6	5.8	119
469	Long-range chain orientation in 1-D co-ordination polymers as a function of anions and intermolecular aromatic interactions. <i>Dalton Transactions RSC</i> , 2000 , 4285-4291		119
468	Structural mimics for the active site of [NiFe] hydrogenase. <i>Coordination Chemistry Reviews</i> , 2001 , 219-221, 1055-1074	23.2	118
467	Modulating the packing of [Cu ₂₄ (isophthalate) ₂₄] cuboctahedra in a triazole-containing metal-organic polyhedral framework. <i>Chemical Science</i> , 2013 , 4, 1731	9.4	117
466	Novel Metal-Organic Frameworks Derived from Group II Metal Cations and Aryldicarboxylate Anionic Ligands. <i>Crystal Growth and Design</i> , 2008 , 8, 911-922	3.5	117

465	Polyamine-based anion receptors: Extraction and structural studies. <i>Coordination Chemistry Reviews</i> , 2006 , 250, 2987-3003	23.2	117
464	Synthesis of metal-organic frameworks by continuous flow. <i>Green Chemistry</i> , 2014 , 16, 3796-3802	10	115
463	Triggered ligand release coupled to framework rearrangement: generating crystalline porous coordination materials. <i>Inorganic Chemistry</i> , 2006 , 45, 8838-40	5.1	114
462	Anion exchange in co-ordination polymers: a solid-state or a solvent-mediated process?. <i>CrystEngComm</i> , 2002 , 4, 426-431	3.3	113
461	Porous metal-organic frameworks as emerging sorbents for clean air. <i>Nature Reviews Chemistry</i> , 2019 , 3, 108-118	34.6	110
460	Lanthanide co-ordination frameworks: Opportunities and diversity. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 2414-2419	3.3	110
459	Reversible adsorption of nitrogen dioxide within a robust porous metal-organic framework. <i>Nature Materials</i> , 2018 , 17, 691-696	27	108
458	Dynamic equilibria in solvent-mediated anion, cation and ligand exchange in transition-metal coordination polymers: solid-state transfer or recrystallisation?. <i>Chemistry - A European Journal</i> , 2009 , 15, 8861-73	4.8	108
457	Enhancement of H ₂ adsorption in coordination framework materials by use of ligand curvature. <i>Chemistry - A European Journal</i> , 2009 , 15, 4829-35	4.8	106
456	Analysis of high and selective uptake of CO ₂ in an oxamide-containing {Cu ₂ (OOCR) ₄ } ⁻ -based metal-organic framework. <i>Chemistry - A European Journal</i> , 2014 , 20, 7317-24	4.8	105
455	Selective CO ₂ uptake and inverse CO ₂ /C ₂ H ₂ selectivity in a dynamic bifunctional metal-organic framework. <i>Chemical Science</i> , 2012 , 3, 2993	9.4	104
454	Hydrogen, methane and carbon dioxide adsorption in metal-organic framework materials. <i>Topics in Current Chemistry</i> , 2010 , 293, 35-76		104
453	Macrocyclic complexes of the platinum metals. <i>Pure and Applied Chemistry</i> , 1988 , 60, 517-524	2.1	104
452	Irreversible network transformation in a dynamic porous host catalyzed by sulfur dioxide. <i>Journal of the American Chemical Society</i> , 2013 , 135, 4954-7	16.4	103
451	Crystal engineering: the effects of interactions in copper(i) and silver(i) complexes of 2,7-diazapyrene. <i>Chemical Communications</i> , 1997 , 1339-1340	5.8	102
450	Stereoselective association of binuclear metallacycles in coordination polymers. <i>Journal of the American Chemical Society</i> , 2003 , 125, 6753-61	16.4	102
449	A unique example of a 3(6) tessellated 2-D net based on a tri-nuclear zinc(II)-1,4-benzenedicarboxylate framework. <i>Chemical Communications</i> , 2005 , 5435-7	5.8	100
448	Structural and electrochemical studies on trithia macrocyclic complexes of palladium. <i>Journal of Organometallic Chemistry</i> , 1987 , 323, 261-270	2.3	98

447	Exceptional Adsorption and Binding of Sulfur Dioxide in a Robust Zirconium-Based Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15564-15567	16.4	98
446	High H ₂ Adsorption by Coordination-Framework Materials. <i>Angewandte Chemie</i> , 2006 , 118, 7518-7524	3.6	96
445	Reversible coordinative binding and separation of sulfur dioxide in a robust metal-organic framework with open copper sites. <i>Nature Materials</i> , 2019 , 18, 1358-1365	27	95
444	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> , 2016 , 138, 3371-81	16.4	91
443	Copper(I) iodide coordination networks controlling the placement of (CuI) ladders and chains within two-dimensional sheets. <i>Crystal Engineering</i> , 1999 , 2, 181-195		88
442	Self-Assembly of Polyanions at a Metal Cation Template: Syntheses and Structures of [{Ag([18]aneS ₆)I ₇ }] _n and [Ag([18]aneS ₆)I ₃ . <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 2374-2376		88
441	Copper(I) halide supramolecular networks linked by N-heterocyclic donor bridging ligands. <i>Pure and Applied Chemistry</i> , 1998 , 70, 2351-2357	2.1	87
440	Dioxygen reduction at dicobalt complexes of a Schiff base calixpyrrole ligand. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 584-6	16.4	86
439	Stabilisation of trivalent platinum by structurally accommodating thiamacrocycles. <i>Journal of the Chemical Society Chemical Communications</i> , 1987 , 118-120		85
438	Selective Hysteretic Sorption of Light Hydrocarbons in a Flexible Metal-Organic Framework Material. <i>Chemistry of Materials</i> , 2016 , 28, 2331-2340	9.6	84
437	Pore with gate: enhancement of the isosteric heat of adsorption of dihydrogen via postsynthetic cation exchange in metal-organic frameworks. <i>Inorganic Chemistry</i> , 2011 , 50, 9374-84	5.1	83
436	A biporous coordination framework with high H ₂ storage density. <i>Chemical Communications</i> , 2008 , 359-618		82
435	Parallel interpenetration in novel herringbone sheets formed by Co(II) and Cd(II) complexes with trans-4,4'-azobis(pyridine). <i>New Journal of Chemistry</i> , 1999 , 23, 573-575	3.6	82
434	Stereochemical and conformational control of metal redox processes: the co-ordination chemistry of the mixed N- and S-donor macrocyclic crowns [18]aneN ₂ S ₄ and Me ₂ [18]aneN ₂ S ₄ . <i>Chemical Society Reviews</i> , 1990 , 19, 239-269	58.5	82
433	Assembly of a Three-Dimensional Polyknotted Coordination Polymer. <i>Journal of the American Chemical Society</i> , 2000 , 122, 4044-4046	16.4	81
432	Discrete molecular and extended polymeric copper(I) halide complexes of tetradeятate thioether macrocycles. <i>Dalton Transactions RSC</i> , 2001 , 456-465		81
431	Control of copper(I) iodide architectures by ligand design: angular versus linear bridging ligands. <i>Inorganic Chemistry</i> , 2006 , 45, 6179-87	5.1	79
430	Oxo complexes of ruthenium(VI) and (VII) as organic oxidants. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1984 , 681-686		79

429	Stabilisation of mononuclear palladium(III). The single crystal X-ray structure of the $[Pd(L)2]^{3+}$ cation ($L = 1,4,7$ -trithiacyclononane). <i>Journal of the Chemical Society Chemical Communications</i> , 1987 , 987-988	78
428	Multi-dimensional transition-metal coordination polymers of 4,4'-bipyridine-N,N'-dioxide: 1D chains and 2D sheets. <i>Inorganic Chemistry</i> , 2008 , 47, 8652-64	5.1 77
427	Unprecedented bilayer topologies in 5- and 6-connected framework polymers. <i>Chemical Communications</i> , 2004 , 1792-3	5.8 75
426	Template Assembly of Metal Aggregates by Imino-Carboxylate Ligands. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 1915-1918	16.4 75
425	Self-assembly of metal-organic coordination polymers constructed from a bent dicarboxylate ligand: diversity of coordination modes, structures, and gas adsorption. <i>Inorganic Chemistry</i> , 2009 , 48, 11067-78	5.1 74
424	Two- and three-dimensional CuSCN co-ordination networks including new CuSCN structural motifs. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 2813-2817	72
423	Structures and H ₂ adsorption properties of porous scandium metal-organic frameworks. <i>Chemistry - A European Journal</i> , 2010 , 16, 13671-9	4.8 71
422	Controlled Assembly of Dinuclear Metallacycles into a Three-Dimensional Helical Array This work was supported by the CVCP (Overseas Research Student Scheme) (to A.N.K.), the EPSRC, and the University of Nottingham. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 2317-2320	16.4 70
421	Porous Metal-Organic Polyhedral Frameworks with Optimal Molecular Dynamics and Pore Geometry for Methane Storage. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13349-13360	16.4 69
420	Modifying cage structures in metal-organic polyhedral frameworks for H ₂ storage. <i>Chemistry - A European Journal</i> , 2011 , 17, 11162-70	4.8 68
419	Cationic assembly of metal complex aggregates: structural diversity, solution stability, and magnetic properties. <i>Journal of the American Chemical Society</i> , 2003 , 125, 9476-83	16.4 68
418	Macrocyclic diiminodipyrromethane complexes: structural analogues of Pac-Man porphyrins. <i>Chemical Communications</i> , 2003 , 2508-9	5.8 67
417	Engineering of co-ordination polymers of trans-4,4'-azobis(pyridine) and trans-1,2-bis(pyridin-4-yl)ethene: a range of interpenetrated network motifs. <i>Dalton Transactions RSC</i> , 2000 , 3261-3268	67
416	Modulating supramolecular binding of carbon dioxide in a redox-active porous metal-organic framework. <i>Nature Communications</i> , 2017 , 8, 14212	17.4 64
415	Can 4,4'-bipyridine N,N'-dioxide play the same important role as 4,4'-bipyridine in the construction of metal coordination networks and crystal engineering?. <i>Chemical Communications</i> , 2000 , 2273-2274	5.8 64
414	Outer-sphere coordination chemistry: selective extraction and transport of the $[PtCl_6]^{2-}$ anion. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1745-8	16.4 59
413	Discovery and evaluation of highly active imidotitanium ethylene polymerisation catalysts using high throughput catalyst screening. <i>Chemical Communications</i> , 2004 , 434-5	5.8 59
412	Palladium(II) and Platinum(II) Complexes of 1,4,7,10,13,16-Hexathiacyclooctadecane. <i>Angewandte Chemie International Edition in English</i> , 1986 , 25, 274-276	59

411	Rational Synthesis and Investigation of Porous Metal-Organic Framework Materials from a Preorganized Heterometallic Carboxylate Building Block. <i>Inorganic Chemistry</i> , 2017 , 56, 1599-1608	5.1	57
410	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> , 2017 , 114, 3056-3061	11.5	57
409	Supramolecular networks stabilise and functionalise black phosphorus. <i>Nature Communications</i> , 2017 , 8, 1385	17.4	57
408	High-nuclearity metal-organic nanospheres: a Cd ₆₆ ball. <i>Journal of the American Chemical Society</i> , 2012 , 134, 55-8	16.4	57
407	Hydrogen-bonding interactions between linear bipyridinium cations and nitrate anions. <i>CrystEngComm</i> , 2002 , 4, 483-495	3.3	57
406	Hirshfeld Surface Investigation of Structure-Directing Interactions within Dipicolinic Acid Derivatives. <i>Crystal Growth and Design</i> , 2015 , 15, 1697-1706	3.5	55
405	Ammonia Storage by Reversible Host-Guest Site Exchange in a Robust Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14778-14781	16.4	55
404	Simultaneous adsorption of Cu(II) and SO ₄ ²⁻ ions by a novel silica gel functionalized with a ditopic zwitterionic Schiff base ligand. <i>Chemical Engineering Journal</i> , 2014 , 250, 55-65	14.7	55
403	A novel bismuth-based metal-organic framework for high volumetric methane and carbon dioxide adsorption. <i>Chemistry - A European Journal</i> , 2014 , 20, 8024-9	4.8	55
402	Design and synthesis of binucleating macrocyclic clefts derived from Schiff-base calixpyrroles. <i>Chemistry - A European Journal</i> , 2007 , 13, 3707-23	4.8	55
401	Silver thioether chemistry: Synthesis, X-ray crystal structure and redox properties of [Ag([18]aneS ₆)] _n ([18]aneS ₆ = 1,4,7,10,13,16-hexathiacyclooctadecane). <i>Polyhedron</i> , 1989 , 8, 513-518	2.7	55
400	Capture of nitrogen dioxide and conversion to nitric acid in a porous metal-organic framework. <i>Nature Chemistry</i> , 2019 , 11, 1085-1090	17.6	55
399	Selective extraction and transport of the [PtCl ₆] ²⁻ anion through outer-sphere coordination chemistry. <i>Chemistry - A European Journal</i> , 2009 , 15, 4836-50	4.8	54
398	Metal-Organic frameworks in seconds via selective microwave heating. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7333-7338	13	53
397	A new Cu(I)SCN structural motif: synthesis of an uncharged three-dimensional co-ordination network. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998 , 1533-1534		53
396	Enhancement of CO ₂ Adsorption and Catalytic Properties by Fe-Doping of [Ga ₂ (OH) ₂ (L)] (H ₄ L = Biphenyl-3,3'N,N,N',N'-Tetracarboxylic Acid), MFM-300(Ga ₂). <i>Inorganic Chemistry</i> , 2016 , 55, 1076-88	5.1	52
395	High pressure co-ordination chemistry of a palladium thioether complex: pressure versus electrons. <i>Chemical Communications</i> , 2006 , 4081-3	5.8	52
394	Polynuclear nickel(II) complexes of N ₄ O ₂ - and N ₄ S ₂ -compartmental macrocycles: the structures of a Ni ₄ O ₄ cubane cluster and the binuclear nickel(II) complex of a benzenethiolate macrocycle. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 1662-1665		52

393	Silver alkoxide and amino N-heterocyclic carbenes; syntheses and crystal structures. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 5710-5719	2.3	50
392	Extended networks formed by coordination polymers in the solid state. <i>Current Opinion in Solid State and Materials Science</i> , 1998 , 3, 419-424	12	49
391	Bis(1,4,7-trithiacyclononane)gold Dication: A Paramagnetic, Mononuclear Aull Complex. <i>Angewandte Chemie International Edition in English</i> , 1990 , 29, 197-198		49
390	Observation of Binding and Rotation of Methane and Hydrogen within a Functional Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9119-27	16.4	48
389	Broken symmetry and the variation of critical properties in the phase behaviour of supramolecular rhombus tilings. <i>Nature Chemistry</i> , 2011 , 4, 112-7	17.6	47
388	Solvent Control of Supramolecular Architectures Derived from 4,4'-Bipyridyl-Bridged Copper(II) Dipicolinate Complexes. <i>Crystal Growth and Design</i> , 2009 , 9, 4685-4699	3.5	47
387	Controlled assembly of silver(I)-pyridylfullerene networks. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8013-6	16.4	47
386	A novel synthetic strategy for hexanuclear supramolecular architectures. <i>Chemical Communications</i> , 2003 , 682-3	5.8	47
385	Pore with gate: modulating hydrogen storage in metal-organic framework materials via cation exchange. <i>Faraday Discussions</i> , 2011 , 151, 19-36; discussion 95-115	3.6	46
384	Palladium(II)/(III) complexes of triaza macrocycles: synthesis and single crystal X-ray structures of [PdIII(tacn)2]3+ and [PdII(tacn)(tacnH)]3+(tacn = 1,4,7-triazacyclononane). <i>Journal of the Chemical Society Chemical Communications</i> , 1988 , 1452-1454		46
383	Molecular and electronic structures of one-electron oxidized Ni(II)-(dithiosalicylidenediamine) complexes: Ni(III)-thiolate versus Ni(II)-thiyl radical states. <i>Chemistry - A European Journal</i> , 2008 , 14, 2564-2576	4.8	45
382	Redox non-innocence of thioether macrocycles: elucidation of the electronic structures of mononuclear complexes of gold(II) and silver(II). <i>Journal of the American Chemical Society</i> , 2006 , 128, 13827-39	16.4	45
381	Anion influence on co-ordination polymers of Ag(I) with 1,4-dithiacyclohexane. <i>Dalton Transactions RSC</i> , 2001 , 2530-2538		45
380	Integration of mesopores and crystal defects in metal-organic frameworks via templated electrosynthesis. <i>Nature Communications</i> , 2019 , 10, 4466	17.4	45
379	The one-pot halomethylation of 5-substituted salicylaldehydes as convenient precursors for the preparation of heteroditopic ligands for the binding of metal salts. <i>Tetrahedron Letters</i> , 2006 , 47, 8983-8987		44
378	Helical Bipyrazole Networks Conditioned by Hydrothermal Crystallization. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005 , 631, 1095-1100	1.3	44
377	Synthesis, structures and magnetochemistry of binuclear cobalt(II), nickel(II) and copper(II) complexes of 2,6-diformyl-4-methylphenol dioxime. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998 , 3953-3960		44
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