

Roeland J M Nolte

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5082802/roeland-j-m-nolte-publications-by-citations.pdf>

Version: 2024-04-28

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

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

609
papers

33,544
citations

91
h-index

156
g-index

683
ext. papers

35,354
ext. citations

9.1
avg, IF

7.05
L-index

#	Paper	IF	Citations
609	Self-assembled nanoreactors. <i>Chemical Reviews</i> , 2005 , 105, 1445-89	68.1	1300
608	Chiral architectures from macromolecular building blocks. <i>Chemical Reviews</i> , 2001 , 101, 4039-70	68.1	788
607	Self-assembly of disk-shaped molecules to coiled-coil aggregates with tunable helicity. <i>Science</i> , 1999 , 284, 785-8	33.3	677
606	Molecular Materials by Self-Assembly of Porphyrins, Phthalocyanines, and Perylenes. <i>Advanced Materials</i> , 2006 , 18, 1251-1266	24	604
605	Helical superstructures from charged Poly(styrene)-Poly(isocyanodipeptide) block copolymers. <i>Science</i> , 1998 , 280, 1427-30	33.3	551
604	Autonomous movement of platinum-loaded stomatocytes. <i>Nature Chemistry</i> , 2012 , 4, 268-74	17.6	438
603	Mastering molecular matter. Supramolecular architectures by hierarchical self-assembly. <i>Journal of Materials Chemistry</i> , 2003 , 13, 2661-2670		422
602	Helical Molecular Programming. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 63-68	16.4	398
601	Biohybrid polymer capsules. <i>Chemical Reviews</i> , 2009 , 109, 6212-74	68.1	363
600	A virus-based single-enzyme nanoreactor. <i>Nature Nanotechnology</i> , 2007 , 2, 635-9	28.7	350
599	Responsive biomimetic networks from polyisocyanopeptide hydrogels. <i>Nature</i> , 2013 , 493, 651-5	50.4	346
598	Positional assembly of enzymes in polymersome nanoreactors for cascade reactions. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7378-82	16.4	346
597	Gemini surfactants: new synthetic vectors for gene transfection. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1448-57	16.4	344
596	Epoxidation of polybutadiene by a topologically linked catalyst. <i>Nature</i> , 2003 , 424, 915-8	50.4	343
595	Synthesis and Supramolecular Chemistry of Novel Liquid Crystalline Crown Ether-Substituted Phthalocyanines: Toward Molecular Wires and Molecular Ionoelectronics. <i>Journal of the American Chemical Society</i> , 1995 , 117, 9957-9965	16.4	326
594	Virus-based nanocarriers for drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2012 , 64, 811-25	18.5	312
593	A Polymersome Nanoreactor with Controllable Permeability Induced by Stimuli-Responsive Block Copolymers. <i>Advanced Materials</i> , 2009 , 21, 2787-2791	24	293

592	A three-enzyme cascade reaction through positional assembly of enzymes in a polymersome nanoreactor. <i>Chemistry - A European Journal</i> , 2009 , 15, 1107-14	4.8	293
591	Vesicles and polymerized vesicles from thiophene-containing rod-coil block copolymers. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 772-6	16.4	292
590	Macroscopic hierarchical surface patterning of porphyrin trimers via self-assembly and dewetting. <i>Science</i> , 2006 , 314, 1433-6	33.3	287
589	beta -Helical polymers from isocyanopeptides. <i>Science</i> , 2001 , 293, 676-80	33.3	261
588	Stretched exponential decay and correlations in the catalytic activity of fluctuating single lipase molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 2368-72	11.5	256
587	Molecular and Supramolecular Objects from Glycoluril. <i>Accounts of Chemical Research</i> , 1999 , 32, 995-1006	4.3	238
586	Functional interlocked systems. <i>Chemical Society Reviews</i> , 2014 , 43, 99-122	58.5	234
585	Bionanoconjugation via click chemistry: The creation of functional hybrids of lipases and gold nanoparticles. <i>Bioconjugate Chemistry</i> , 2006 , 17, 1373-5	6.3	223
584	Interferometry with Bose-Einstein condensates in microgravity. <i>Physical Review Letters</i> , 2013 , 110, 093602	4	220
583	Lipase polystyrene giant amphiphiles. <i>Journal of the American Chemical Society</i> , 2002 , 124, 4224-5	16.4	216
582	Glucose-oxidase based self-destructing polymeric vesicles. <i>Langmuir</i> , 2004 , 20, 3487-91	4	215
581	Helical poly(isocyanides). <i>Chemical Society Reviews</i> , 1994 , 23, 11	58.5	208
580	Natural supramolecular protein assemblies. <i>Chemical Society Reviews</i> , 2016 , 45, 24-39	58.5	206
579	Synthesis and aggregation behavior of hosts containing phthalocyanine and crown ether subunits. <i>Journal of the American Chemical Society</i> , 1987 , 109, 4261-4265	16.4	200
578	Dynamic Loading and Unloading of Proteins in Polymeric Stomatocytes: Formation of an Enzyme-Loaded Supramolecular Nanomotor. <i>ACS Nano</i> , 2016 , 10, 2652-60	16.7	196
577	Helical poly(isocyanides): past, present and future. <i>Polymer Chemistry</i> , 2011 , 2, 33-47	4.9	194
576	Functional supramolecular materials: self-assembly of phthalocyanines and porphyrazines. <i>Chemical Communications</i> , 1996 , 2385	5.8	192
575	Preparation of biohybrid amphiphiles via the copper catalysed Huisgen [3 + 2] dipolar cycloaddition reaction. <i>Chemical Communications</i> , 2005 , 4172-4	5.8	186

574	Molecular materials based on crown ether functionalized phthalocyanines. <i>Journal of Porphyrins and Phthalocyanines</i> , 2000 , 04, 454-459	1.8	186
573	From simple to supramolecular cytochrome P450 mimics. <i>Chemical Society Reviews</i> , 2000 , 29, 375-384	58.5	183
572	Multicolor Photoluminescence Including White-Light Emission by a Single Host-Guest Complex. <i>Journal of the American Chemical Society</i> , 2016 , 138, 13541-13550	16.4	182
571	Porphyrin Wheels. <i>Journal of the American Chemical Society</i> , 1996 , 118, 8549-8552	16.4	181
570	Smart nanocontainers and nanoreactors. <i>Nanoscale</i> , 2010 , 2, 844-58	7.7	180
569	Metal-free triazole formation as a tool for bioconjugation. <i>ChemBioChem</i> , 2007 , 8, 1504-8	3.8	176
568	Polymersome stomatocytes: controlled shape transformation in polymer vesicles. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12522-4	16.4	173
567	Controlled encapsulation of multiple proteins in virus capsids. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17771-3	16.4	172
566	Real-time single-molecule imaging of oxidation catalysis at a liquid-solid interface. <i>Nature Nanotechnology</i> , 2007 , 2, 285-9	28.7	167
565	Poly(3,4-ethylenedioxythiophene)-Based Glucose Biosensors. <i>Advanced Materials</i> , 2001 , 13, 1555	24	162
564	Single-enzyme kinetics of CALB-catalyzed hydrolysis. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 560-4	16.4	160
563	Self-assembly and optically triggered disassembly of hierarchical dendron-virus complexes. <i>Nature Chemistry</i> , 2010 , 2, 394-9	17.6	158
562	Self-assembled architectures from biohybrid triblock copolymers. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2327-32	16.4	156
561	Donor-acceptor phthalocyanine nanoaggregates. <i>Journal of the American Chemical Society</i> , 2003 , 125, 12300-8	16.4	154
560	Phthalocyanines and Phthalocyanine Analogues: The Quest for Applicable Optical Properties. <i>Monatshefte für Chemie</i> , 2001 , 132, 3-11	1.4	154
559	Screw sense selective polymerization of achiral isocyanides catalyzed by optically active nickel(II) complexes. <i>Journal of the American Chemical Society</i> , 1988 , 110, 6818-6825	16.4	154
558	Supramolecular Second-Order Nonlinearity of Polymers with Orientationally Correlated Chromophores. <i>Science</i> , 1995 , 270, 966-969	33.3	153
557	Homologous series of liquid-crystalline metal free and copper octa-n-alkoxyphthalocyanines. <i>Liquid Crystals</i> , 1989 , 6, 577-592	2.3	153

556	Chirality in polyisocyanides. <i>Journal of the American Chemical Society</i> , 1974 , 96, 5932-5933	16.4	153
555	The Effect of Structural Modifications on Charge Migration in Mesomorphic Phthalocyanines. <i>Journal of the American Chemical Society</i> , 1994 , 116, 6880-6894	16.4	151
554	Manipulation of micro- and nanostructure motion with magnetic fields. <i>Soft Matter</i> , 2014 , 10, 1295-308	3.6	140
553	Polymeric monosaccharide receptors responsive at neutral pH. <i>Journal of the American Chemical Society</i> , 2009 , 131, 13908-9	16.4	135
552	Giant amphiphiles by cofactor reconstitution. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4239-44	16.4	133
551	Organogel formation and molecular imprinting by functionalized gluconamides and their metal complexes. <i>Chemical Communications</i> , 1997 , 545-546	5.8	131
550	Catalytic capsids: the art of confinement. <i>Chemical Science</i> , 2011 , 2, 358-362	9.4	128
549	Poly(iminomethylenes): rigid rod helical polymers. <i>Accounts of Chemical Research</i> , 1979 , 12, 30-35	24.3	126
548	Virus-like particles templated by DNA micelles: a general method for loading virus nanocarriers. <i>Journal of the American Chemical Society</i> , 2010 , 132, 7834-5	16.4	125
547	Cellular integration of an enzyme-loaded polymersome nanoreactor. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7213-6	16.4	124
546	Organogels from Carbohydrate Amphiphiles. <i>Journal of Organic Chemistry</i> , 1999 , 64, 412-426	4.2	124
545	N-Hydroxyphthalimide/Cobalt(II) Catalyzed Low Temperature Benzylic Oxidation Using Molecular Oxygen. <i>Tetrahedron</i> , 2000 , 56, 7797-7803	2.4	114
544	Hexakis Porphyrinato Benzenes. A New Class of Porphyrin Arrays. <i>Journal of the American Chemical Society</i> , 1998 , 120, 11054-11060	16.4	113
543	Binding Features of Molecular Clips. Separation of the Effects of Hydrogen Bonding and π Interactions. <i>Journal of the American Chemical Society</i> , 1997 , 119, 9956-9964	16.4	112
542	Enzymes containing porous polymersomes as nano reaction vessels for cascade reactions. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 4315-8	3.9	112
541	Self-Assembled Structures from an Amphiphilic Multiblock Copolymer Containing Rigid Semiconductor Segments. <i>Macromolecules</i> , 2000 , 33, 8289-8294	5.5	112
540	Synthesis of polymer-biohybrids: from small to giant surfactants. <i>Accounts of Chemical Research</i> , 2009 , 42, 681-92	24.3	110
539	Viruses and protein cages as nanocontainers and nanoreactors. <i>Journal of Materials Chemistry</i> , 2009 , 19, 2274		110

- 538 A shape-persistent polymeric crystallization template for CaCO₃. *Journal of the American Chemical Society*, **2002**, 124, 9700-1 16.4 107
- 537 Binding of Porphyrins in Cyclodextrin Dimers. *Journal of the American Chemical Society*, **1996**, 118, 257-258.4 107
- 536 Chiral molecular tapes from novel tetra(thiafulvalene-crown-ether)-substituted phthalocyanine building blocks. *Chemical Communications*, **2005**, 1255-7 5.8 106
- 535 Poly(pyrrole) versus poly(3,4-ethylenedioxythiophene): implications for biosensor applications. *Sensors and Actuators B: Chemical*, **2005**, 106, 289-295 8.5 106
- 534 Macromolecular multi-chromophoric scaffolding. *Chemical Society Reviews*, **2010**, 39, 1576-99 58.5 105
- 533 Investigation of perylene photonic wires by combined single-molecule fluorescence and atomic force microscopy. *Angewandte Chemie - International Edition*, **2004**, 43, 4045-9 16.4 105
- 532 A virus-based biocatalyst. *Nature Nanotechnology*, **2007**, 2, 226-9 28.7 104
- 531 Monodisperse polymer-virus hybrid nanoparticles. *Organic and Biomolecular Chemistry*, **2007**, 5, 54-7 3.9 103
- 530 Green and blue electrochemically generated chemiluminescence from click chemistry--customizable iridium complexes. *Chemistry - A European Journal*, **2011**, 17, 4640-7 4.8 101
- 529 Amorphous calcium carbonate stabilised by poly(propylene imine) dendrimers. *Chemical Communications*, **2000**, 1937-1938 5.8 101
- 528 Shaping polymersomes into predictable morphologies via out-of-equilibrium self-assembly. *Nature Communications*, **2016**, 7, 12606 17.4 100
- 527 Binding features of molecular clips derived from diphenylglycoluril. *Journal of the American Chemical Society*, **1993**, 115, 8999-9005 16.4 99
- 526 Detection of different oxidation states of individual manganese porphyrins during their reaction with oxygen at a solid/liquid interface. *Nature Chemistry*, **2013**, 5, 621-7 17.6 97
- 525 LCD alignment layers. Controlling nematic domain properties. *Journal of Materials Chemistry*, **2006**, 16, 1305-1314 97
- 524 Helical polymer-anchored porphyrin nanorods. *Chemistry - A European Journal*, **2003**, 9, 1775-81 4.8 97
- 523 Mechanism of threading a polymer through a macrocyclic ring. *Science*, **2008**, 322, 1668-71 33.3 92
- 522 Ir(III) and Ru(II) complexes containing triazole-pyridine ligands: luminescence enhancement upon substitution with beta-cyclodextrin. *Chemistry - A European Journal*, **2009**, 15, 13124-34 4.8 91
- 521 Aggregation behavior of giant amphiphiles prepared by cofactor reconstitution. *Chemistry - A European Journal*, **2006**, 12, 6071-80 4.8 91

520	High Shape Persistence in Single Polymer Chains Rigidified with Lateral Hydrogen Bonded Networks. <i>Macromolecules</i> , 2002 , 35, 5290-5294	5.5	91
519	Supramolecular Structure, Physical Properties, and Langmuir-Blodgett Film Formation of an Optically Active Liquid-Crystalline Phthalocyanine. <i>Chemistry - A European Journal</i> , 1995 , 1, 171-182	4.8	90
518	Fabrication, characterization, and biological assessment of multilayered DNA-coatings for biomaterial purposes. <i>Biomaterials</i> , 2006 , 27, 691-701	15.6	89
517	Highly oriented self-assembled monolayers as templates for epitaxial calcite growth. <i>Journal of the American Chemical Society</i> , 2003 , 125, 11571-7	16.4	88
516	Mechanistic studies on the Mukaiyama epoxidation. <i>Journal of Organic Chemistry</i> , 2004 , 69, 3453-64	4.2	86
515	Single-step azide introduction in proteins via an aqueous diazo transfer. <i>Bioconjugate Chemistry</i> , 2009 , 20, 20-3	6.3	85
514	Porphyrin Clips Derived from Diphenylglycoluril. Synthesis, Conformational Analysis, and Binding Properties. <i>Journal of Organic Chemistry</i> , 1999 , 64, 7009-7016	4.2	84
513	Designing two self-assembly mechanisms into one viral capsid protein. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18506-9	16.4	83
512	Supramolecular porphyrin polymers in solution and at the solid-liquid interface. <i>Nano Letters</i> , 2008 , 8, 253-9	11.5	83
511	Aligned Growth of Calcite Crystals on a Self-Assembled Monolayer. <i>Advanced Materials</i> , 2002 , 14, 492-495	4	83
510	Encoding information into polymers. <i>Nature Reviews Chemistry</i> , 2018 , 2, 365-381	34.6	83
509	Polymersome nanoreactors for enzymatic ring-opening polymerization. <i>Biomacromolecules</i> , 2007 , 8, 3723-8	6.9	82
508	Control over calcium carbonate phase formation by dendrimer/surfactant templates. <i>Chemistry - A European Journal</i> , 2002 , 8, 2561-7	4.8	81
507	Interconnective Host-Guest Complexation of β -Cyclodextrin-Calix[4]arene Couples. <i>Journal of the American Chemical Society</i> , 1999 , 121, 28-33	16.4	81
506	Self-Organization of Amphiphilic Porphyrins at the Air-Water Interface. <i>Langmuir</i> , 1995 , 11, 214-220	4	81
505	Molecular materials based on crown ether functionalized phthalocyanines. <i>Journal of Porphyrins and Phthalocyanines</i> , 2000 , 4, 454-459	1.8	81
504	Porphyrin macrocyclic catalysts for the processive oxidation of polymer substrates. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1529-31	16.4	80
503	The relationship between nanoscale architecture and function in photovoltaic multichromophoric arrays as visualized by Kelvin probe force microscopy. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14605-14	16.4	80

502	ProteinPolymer Hybrid Amphiphiles. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 4732-4734	16.4	79
501	Beta-cyclodextrin-appended giant amphiphile: aggregation to vesicle polymersomes and immobilisation of enzymes. <i>Chemistry - A European Journal</i> , 2008 , 14, 9914-20	4.8	77
500	Self-Assembly and Manipulation of Crown Ether Phthalocyanines at the Gel-Graphite Interface. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 2348-2350	16.4	77
499	Reactions inside nanoscale protein cages. <i>Nanoscale</i> , 2011 , 3, 2376-89	7.7	76
498	Silica-based hybrid materials as biocompatible coatings for glucose sensors. <i>Sensors and Actuators B: Chemical</i> , 2001 , 81, 68-75	8.5	76
497	A Block Copolymer for Functionalisation of Polymersome Surfaces. <i>Macromolecular Rapid Communications</i> , 2008 , 29, 321-325	4.8	75
496	Phthalocyaninato polysiloxanes substituted with crown ether moieties. <i>Journal of the American Chemical Society</i> , 1990 , 112, 3086-3093	16.4	75
495	A molecular clip with allosteric binding properties. <i>Journal of the American Chemical Society</i> , 1991 , 113, 6695-6696	16.4	75
494	Improved Performance of Perylene-Based Photovoltaic Cells Using Polyisocyanopeptide Arrays. <i>Macromolecules</i> , 2009 , 42, 2023-2030	5.5	74
493	Synthesis, Conformation, and Binding Properties of Cyclodextrin Homo- and Heterodimers Connected through Their Secondary Sides. <i>Chemistry - A European Journal</i> , 1998 , 4, 2237-2250	4.8	74
492	Influence of inflammatory cells and serum on the performance of implantable glucose sensors. <i>Journal of Biomedical Materials Research Part B</i> , 2001 , 54, 69-75		74
491	Aided self-assembly of porphyrin nanoaggregates into ring-shaped architectures. <i>Chemistry - A European Journal</i> , 2004 , 10, 831-9	4.8	73
490	UV-Vis, Fluorescence, and EPR Studies of Porphyrins in Bilayers of Dioctadecyldimethylammonium Surfactants. <i>The Journal of Physical Chemistry</i> , 1994 , 98, 5541-5551		73
489	Functionalization of multilayered DNA-coatings with bone morphogenetic protein 2. <i>Journal of Controlled Release</i> , 2006 , 113, 63-72	11.7	72
488	Crowned and liquid-crystalline phthalocyanines as gas-sensor materials. <i>Sensors and Actuators B: Chemical</i> , 1993 , 13, 276-280	8.5	72
487	A polymer with the mesomorphic order of liquid crystalline phthalocyanines. <i>Macromolecules</i> , 1990 , 23, 155-162	5.5	72
486	Mesostructure of Evaporated Porphyrin Thin Films: Porphyrin Wheel Formation. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 10588-10598	3.4	70
485	Highly negative homotropic allosteric binding of viologens in a double-cavity porphyrin. <i>Journal of the American Chemical Society</i> , 2003 , 125, 1186-7	16.4	70

484	A tailored organometallic gelator with enhanced amphiphilic character and structural diversity of gelation. <i>Chemical Communications</i> , 2007 , 1894-5	5.8	69
483	Scanning Probe Studies of Porphyrin Assemblies and Their Supramolecular Manipulation at a Solid-Liquid Interface. <i>Advanced Materials</i> , 2003 , 15, 2070-2073	24	69
482	Glucose sensor utilizing polypyrrole incorporated in track-etch membranes as the mediator. <i>Biosensors and Bioelectronics</i> , 1992 , 7, 461-471	11.8	69
481	Atropisomerism in polymers. Screw-sense selective polymerization of isocyanides by inhibiting the growth of one enantiomer of a racemic pair of helices. <i>Journal of the American Chemical Society</i> , 1988 , 110, 1581-1587	16.4	69
480	Stereodependent Fusion and Fission of Vesicles: Calcium Binding of Synthetic Gemini Phospholipids Containing Two Phosphate Groups. <i>Journal of the American Chemical Society</i> , 1997 , 119, 4338-4344	16.4	68
479	Electronic Transport Properties of Ensembles of Perylene-Substituted Poly-isocyanopeptide Arrays. <i>Advanced Functional Materials</i> , 2008 , 18, 3947-3955	15.6	68
478	Phosphorus-31 nuclear magnetic resonance studies of polymer-anchored rhodium(I) complexes. <i>Journal of the American Chemical Society</i> , 1980 , 102, 3350-3354	16.4	68
477	The enzyme mechanism of nitrite reductase studied at single-molecule level. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 3250-5	11.5	67
476	Tunable command layers for liquid crystal alignment. <i>Journal of the American Chemical Society</i> , 2005 , 127, 11047-52	16.4	67
475	Biocompatibility evaluation of sol-gel coatings for subcutaneously implantable glucose sensors. <i>Biomaterials</i> , 2000 , 21, 71-8	15.6	67
474	A host-guest epoxidation catalyst with enhanced activity and stability. <i>Chemical Communications</i> , 2000 , 2443-2444	5.8	67
473	Amperometric biosensor based on direct communication between glucose oxidase and a conducting polymer inside the pores of a filtration membrane. <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 1691		67
472	Ring Formation in Evaporating Porphyrin Derivative Solutions. <i>Langmuir</i> , 1999 , 15, 3582-3588	4	66
471	A metal-carbene carbohydrate amphiphile as a low-molecular-mass organometallic gelator. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 2494-7	16.4	65
470	Self-assembled Architectures from Glycoluril. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 3419-3428	3.9	65
469	Substrate Selective Catalysis by Rhodium Metallohosts. <i>Journal of the American Chemical Society</i> , 1995 , 117, 11906-11913	16.4	65
468	Olefin epoxidation by a mono-oxygenase model. Effect of site isolation. <i>Journal of the Chemical Society Chemical Communications</i> , 1983 , 1204		65
467	Hierarchical self-assembly and optical disassembly for controlled switching of magnetoferritin nanoparticle magnetism. <i>ACS Nano</i> , 2011 , 5, 6394-402	16.7	64

466	Cationic heteroleptic cyclometalated iridium(III) complexes containing phenyl-triazole and triazole-pyridine clicked ligands. <i>Molecules</i> , 2010 , 15, 2039-59	4.8	64
465	Viral capsids as templates for the production of monodisperse Prussian blue nanoparticles. <i>Chemical Communications</i> , 2008 , 1542-4	5.8	63
464	Synthesis and single enzyme activity of a clicked lipase-BSA hetero-dimer. <i>Chemical Communications</i> , 2006 , 2012-4	5.8	63
463	Dendrimer-Based Hydroxyapatite Composites with Remarkable Materials Properties. <i>Advanced Materials</i> , 2003 , 15, 313-316	24	63
462	Oriented Crystallization of Calcium Carbonate under Self-Organized Monolayers of Amide-Containing Phospholipids. <i>Langmuir</i> , 2001 , 17, 3623-3628	4	63
461	Construction of a Multiwired Molecular Cable of Micrometer Length by a Self-Assembly Process. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 2173-2175		63
460	"Helter-skelter-like" perylene polyisocyanopeptides. <i>Chemistry - A European Journal</i> , 2009 , 15, 2536-47	4.8	62
459	Controlled integration of polymers into viral capsids. <i>Biomacromolecules</i> , 2009 , 10, 3141-7	6.9	62
458	Evidence of an ordered columnar mesophase in peripherally octa-n-alkoxy-substituted phthalocyanines. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 107, 615-620		62
457	Electroformed Giant Vesicles from Thiophene-Containing Rod-Coil Diblock Copolymers. <i>Macromolecules</i> , 2004 , 37, 4736-4739	5.5	62
456	Cascade reactions in an all-enzyme nanoreactor. <i>Chemistry - A European Journal</i> , 2009 , 15, 12600-3	4.8	61
455	Processive enzyme mimic: Kinetics and thermodynamics of the threading and sliding process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 19647-51	11.5	60
454	Biomimetic macromolecular chemistry: design and synthesis of an artificial ion channel based on a polymer containing cofacially stacked crown ether rings. Incorporation in dihexadecyl phosphate vesicles and study of cobalt ion transport. <i>Macromolecules</i> , 1992 , 25, 5398-5407	5.5	60
453	Screw sense of polyisocyanides. <i>Tetrahedron</i> , 1976 , 32, 2017-2019	2.4	60
452	Performance of subcutaneously implanted glucose sensors: a review. <i>Journal of Investigative Surgery</i> , 1998 , 11, 163-74	1.2	59
451	From (bio)Molecules to Biohybrid Materials with the Click Chemistry Approach. <i>QSAR and Combinatorial Science</i> , 2007 , 26, 1200-1210		59
450	Synthesis of porphyrin-containing [3]rotaxanes by olefin metathesis. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 650-4	16.4	59
449	Binding of dihydroxybenzenes in a synthetic molecular clip. Effect of hydrogen bonding and π -stacking. <i>Journal of Organic Chemistry</i> , 1991 , 56, 3199-3201	4.2	59

448	Membrane-bound cytochrome P-450 mimic. Polymerized vesicles as microreactors. <i>Journal of the American Chemical Society</i> , 1986 , 108, 6093-4	16.4	59
447	A clamp-like biohybrid catalyst for DNA oxidation. <i>Nature Chemistry</i> , 2013 , 5, 945-51	17.6	58
446	Thermoresponsive giant biohybrid amphiphiles. <i>Polymer Chemistry</i> , 2011 , 2, 333-340	4.9	58
445	The first example of a poly(ethylene oxide)-poly(methylphenylsilane) amphiphilic block copolymer: vesicle formation in water. <i>Chemical Communications</i> , 1998 , 1445-1446	5.8	57
444	Do enzymes sleep and work?. <i>Chemical Communications</i> , 2006 , 935-40	5.8	57
443	Photoinduced electron transfer between metal-coordinated cyclodextrin assemblies and viologens. <i>Chemistry - A European Journal</i> , 2002 , 8, 5407-14	4.8	57
442	Vesicles and Polymerized Vesicles from Thiophene-Containing Rod-Coil Block Copolymers. <i>Angewandte Chemie</i> , 2003 , 115, 796-800	3.6	57
441	Chiral effects in the second-order optical nonlinearity of a poly(isocyanide) monolayer**. <i>Advanced Materials</i> , 1995 , 7, 641-644	24	56
440	A Rhl-Centered Cage Compound with Selective Catalytic Properties. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 905-907		55
439	Allosterically driven multicomponent assembly. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4755-9	16.4	54
438	Poly(3,4-ethylenedioxythiophene)-based copolymers for biosensor applications. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 738-747	2.5	54
437	Polytopic ligand systems: synthesis and complexation properties of a crown-ether-phthalocyanine. <i>Journal of the Chemical Society Chemical Communications</i> , 1986 , 1464-1465		54
436	Helical configuration of poly(iminomethylenes). Synthesis and CD spectra of polymers derived from optically active isocyanides. <i>Macromolecules</i> , 1983 , 16, 1679-1689	5.5	53
435	Polymersome magneto-valves for reversible capture and release of nanoparticles. <i>Nature Communications</i> , 2014 , 5, 5010	17.4	52
434	Chronoamperometric detection of glucose by a third generation biosensor constructed from conducting microtubules of polypyrrole. <i>Synthetic Metals</i> , 1993 , 57, 3689-3695	3.6	52
433	Synthesis and binding properties of basket-shaped hosts. <i>Journal of Organic Chemistry</i> , 1989 , 54, 3710-3717	4.17	52
432	Synthesis and characterization of long perylene-diimide polymer fibers: from bulk to the single-molecule level. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 7803-12	3.4	51
431	Polarized Absorption and Emission of Ordered Self-Assembled Porphyrin Rings. <i>Nano Letters</i> , 2004 , 4, 1401-1406	11.5	51

- 430 Hierarchical self-assembly of amphiphilic metallohosts to give discrete nanostructures. *Journal of the American Chemical Society*, **2002**, 124, 1532-40 16.4 51
- 429 Selective Functionalization and Flexible Coupling of Cyclodextrins at the Secondary Hydroxyl Face. *Journal of Organic Chemistry*, **1995**, 60, 6537-6545 4.2 51
- 428 The relationship between nanoscale architecture and charge transport in conjugated nanocrystals bridged by multichromophoric Polymers. *Journal of the American Chemical Society*, **2009**, 131, 7055-63 16.4 50
- 427 Synthesis of novel dansyl appended cyclodextrins. Self-inclusion and sensor properties. *Journal of the Chemical Society Perkin Transactions II*, **1997**, 2045-2053 50
- 426 Synthesis and characterization of polyisocyanides derived from alanine and glycine dipeptides. *Journal of Polymer Science Part A*, **2001**, 39, 4255-4264 2.5 50
- 425 Dithiacrown Ether Substituted Porphyrazines: Synthesis, Single-Crystal Structure, and Control of Aggregation in Solution by Complexation of Transition-Metal Ions. *Inorganic Chemistry*, **1996**, 35, 959-969^{5.1} 50
- 424 Gas-sensing properties of semiconducting films of crown-ether-substituted phthalocyanines. *Journal of Materials Chemistry*, **1992**, 2, 131 50
- 423 Novel concave building block for the synthesis of organic hosts. *Journal of the American Chemical Society*, **1987**, 109, 928-929 16.4 50
- 422 Discotic liquid crystals Physical parameters of some 2,3,7,8,12,13-hexa(alkanoyloxy)truxenes. Observation of a re-entrant isotropic phase in a pure disc-like mesogen. *Liquid Crystals*, **1988**, 3, 1087-1104² 50
- 421 Processive catalysis. *Angewandte Chemie - International Edition*, **2014**, 53, 11420-8 16.4 49
- 420 Fuel concentration dependent movement of supramolecular catalytic nanomotors. *Nanoscale*, **2013**, 5, 1315-8 7.7 49
- 419 Electrostatic self-assembly of virus/polymer complexes. *Journal of Materials Chemistry*, **2011**, 21, 2112-2117 49
- 418 Manganese Porphyrin Hosts as Epoxidation Catalysts [Activity and Stability Control by Axial Ligand Effects. *European Journal of Organic Chemistry*, **2007**, 2007, 751-757 3.2 49
- 417 A molecular clip that binds aromatic guests by an induced-fit mechanism. *Journal of the American Chemical Society*, **1992**, 114, 9807-9813 16.4 49
- 416 Free radical polymerization of styrene in dioctadecyldimethylammonium bromide vesicles. *Polymer*, **1993**, 34, 2045-2049 3.9 49
- 415 SFM Characterization of Poly(isocyanodipeptide) Single Polymer Chains in Controlled Environments: Effect of Tip Adhesion and Chain Swelling. *Macromolecules*, **2005**, 38, 473-480 5.5 48
- 414 Extended π -conjugated ruthenium zinc-porphyrin complexes with enhanced nonlinear-optical properties. *Chemical Communications*, **2015**, 51, 2855-8 5.8 47
- 413 An improved synthesis of tetraarylporphyrins. *Recueil Des Travaux Chimiques Des Pays-Bas*, **2010**, 107, 15-16 47

4 ¹²	On the rate-determining step in the epoxidation of olefins by monooxygenase models. <i>Journal of the American Chemical Society</i> , 1986 , 108, 2751-2752	16.4	47
4 ¹¹	Temperature-Switchable Assembly of Supramolecular Virus-Polymer Complexes. <i>Advanced Functional Materials</i> , 2011 , 21, 2012-2019	15.6	46
4 ¹⁰	A Supramolecular Analog of the Photosynthetic Special Pair. <i>Journal of the American Chemical Society</i> , 1997 , 119, 8119-8120	16.4	46
4 ⁰⁹	Self-association and self-assembly of molecular clips in solution and in the solid state. <i>Tetrahedron</i> , 2003 , 59, 175-185	2.4	46
4 ⁰⁸	Synthesis and self-inclusion of bipyridine-spaced cyclodextrin dimers. <i>Journal of Organic Chemistry</i> , 2002 , 67, 5901-6	4.2	46
4 ⁰⁷	Linearly polarized probes of surface chirality. <i>Journal of Chemical Physics</i> , 1995 , 103, 8296-8298	3.9	46
4 ⁰⁶	Enantioselective binding of amino acids and amino alcohols by self-assembled chiral basket-shaped receptors. <i>Tetrahedron</i> , 2004 , 60, 291-300	2.4	45
4 ⁰⁵	Liquid-Crystalline Physical Gels: Self-Aggregation of a Gluconamide Derivative in Mesogenic Molecules for the Formation of Anisotropic Functional Composites. <i>Chemistry of Materials</i> , 2000 , 12, 440-443	9.6	45
4 ⁰⁴	Synthesis, Conformational Analysis, and Binding Properties of Molecular Clips with Two Different Side Walls. <i>Journal of Organic Chemistry</i> , 1997 , 62, 2234-2243	4.2	44
4 ⁰³	X-ray Structures and Redox Properties of Copper(II) Bis(pyrazole) Complexes. <i>Inorganic Chemistry</i> , 1995 , 34, 4735-4744	5.1	44
4 ⁰²	Sortase A-Mediated N-Terminal Modification of Cowpea Chlorotic Mottle Virus for Highly Efficient Cargo Loading. <i>Bioconjugate Chemistry</i> , 2015 , 26, 2429-34	6.3	43
4 ⁰¹	Entrapment of metal nanoparticles in polymer stomatocytes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 9894-7	16.4	43
4 ⁰⁰	Monitoring protein-polymer conjugation by a fluorogenic Cu(I)-catalyzed azide-alkyne 1,3-dipolar cycloaddition. <i>Bioconjugate Chemistry</i> , 2009 , 20, 1129-38	6.3	43
399	A Supramolecular Cytochrome P450 Mimic. <i>Chemistry - A European Journal</i> , 1998 , 4, 871-880	4.8	43
398	Post-modification of helical dipeptido polyisocyanides using the click reaction. <i>Journal of Materials Chemistry</i> , 2008 , 18, 5615		43
397	Mechanistic studies on the epoxidation of alkenes with molecular oxygen and aldehydes catalysed by transition metal-diketonate complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998 , 2241-2246		43
396	Third-generation glucose biosensor incorporated in a conducting printing ink. <i>Sensors and Actuators B: Chemical</i> , 1994 , 18, 166-170	8.5	43
395	Poly(iminomethylenes). 6. Synthesis and polymerization of .alpha.- and .beta.-D-glucopyranosyl isocyanide. <i>Journal of Organic Chemistry</i> , 1978 , 43, 1972-1975	4.2	43

394	Induction of Liquid Crystallinity by Host-Guest Interactions. <i>Journal of the American Chemical Society</i> , 1997 , 119, 283-291	16.4	42
393	Dynamic combinatorial olefin metathesis: templated synthesis of porphyrin boxes. <i>Chemical Communications</i> , 2005 , 3535-7	5.8	42
392	Switch-on luminescence detection of steroids by tris(bipyridyl)ruthenium(II) complexes containing multiple cyclodextrin binding sites. <i>Chemical Communications</i> , 2000 , 577-578	5.8	42
391	Polyisocyanides, synthesis and isomerization to polycyanides. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1973 , 92, 83-91		42
390	Conformational analysis of dipeptide-derived polyisocyanides. <i>Journal of Polymer Science Part A</i> , 2003 , 41, 1725-1736	2.5	41
389	Supramolecular phthalocyanine dimers based on the secondary dialkylammonium cation/dibenzo-24-crown-8 recognition motif. <i>Organic Letters</i> , 2000 , 2, 1057-60	6.2	41
388	Control of Aggregation and Tuning of the Location of Porphyrins in Synthetic Membranes as Mimics for Cytochrome P450. <i>Langmuir</i> , 1996 , 12, 1572-1577	4	41
387	Single-biomolecule kinetics: the art of studying a single enzyme. <i>Annual Review of Analytical Chemistry</i> , 2010 , 3, 319-40	12.5	40
386	Encapsulation of DNA-templated chromophore assemblies within virus protein nanotubes. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5335-8	16.4	40
385	Processive rotaxane systems. Studies on the mechanism and control of the threading process. <i>Journal of the American Chemical Society</i> , 2007 , 129, 5699-702	16.4	40
384	Shape-Selective Oxidation of Benzylic Alcohols by a Receptor Functionalized with a Dicopper(II) Pyrazole Complex. <i>Journal of the American Chemical Society</i> , 1994 , 116, 5667-5670	16.4	40
383	Highly efficient enzyme encapsulation in a protein nanocage: towards enzyme catalysis in a cellular nanocompartment mimic. <i>Nanoscale</i> , 2016 , 8, 14467-72	7.7	39
382	Photoinduced Opposite Diffusion of Nematic and Isotropic Monomers during Patterned Photopolymerization. <i>Chemistry of Materials</i> , 1998 , 10, 135-145	9.6	39
381	Synthesis and self-assembly of giant porphyrin discs. <i>Chemical Communications</i> , 2004 , 762-3	5.8	38
380	Ion transport across vesicle bilayers mediated by an artificial channel compound. <i>Tetrahedron Letters</i> , 1984 , 25, 2263-2266	2	38
379	Facilitated ion transport in a biomembrane model. Artificial ion channels as pores in dihexadecyl phosphate vesicles. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 1275		38
378	Delivery of DNA and siRNA by novel gemini-like amphiphilic peptides. <i>Journal of Controlled Release</i> , 2010 , 145, 33-9	11.7	37
377	Novel Cleft-Containing Porphyrins as Models for Studying Electron Transfer Processes. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 361-363		37

- 376 Bipyridine functionalized molecular clips. Self-assembly of their ruthenium complexes in water. *Chemical Communications*, **1998**, 1553-1554 5.8 37
- 375 CCMV capsid formation induced by a functional negatively charged polymer. *Organic and Biomolecular Chemistry*, **2009**, 7, 4685-8 3.9 36
- 374 Shish kebab-like chirality. *Chemical Communications*, **1998**, 979-980 5.8 36
- 373 Self-Organization of Semiconducting Polysiloxane-Phthalocyanine on a Graphite Surface. *Advanced Materials*, **2005**, 17, 1265-1268 24 36
- 372 Direct Access to Polyisocyanide Screw Sense Using Vibrational Circular Dichroism. *Macromolecules*, **2010**, 43, 7931-7935 5.5 35
- 371 Synthesis, characterisation and chiroptical properties of clickable polyisocyanopeptides. *Journal of Materials Chemistry*, **2007**, 17, 1876-1884 35
- 370 Polyisocyanides derived from tripeptides of alanine. *Chemistry - A European Journal*, **2007**, 13, 950-60 4.8 35
- 369 Synthesis and binding properties of novel cyclodextrin dimers. *Tetrahedron Letters*, **1994**, 35, 1773-1776 35
- 368 Binding of dihydroxybenzenes in synthetic molecular clefts. *Journal of Organic Chemistry*, **1991**, 56, 3122-3124 35
- 367 Novel Organometallic Gelators with Enhanced Amphiphilic Character: Structure-Property Correlations, Principles for Design, and Diversity of Gelation. *Organometallics*, **2009**, 28, 1377-1382 3.8 34
- 366 Conformational Behavior and Binding Properties of Naphthalene-Walled Clips. *Chemistry - A European Journal*, **1998**, 4, 716-722 4.8 34
- 365 A Multi-O₂ Complex Derived from a Copper(I) Dendrimer. *Chemistry - A European Journal*, **1999**, 5, 65-69 4.8 34
- 364 Electrical conductivity in hexaalkoxytriphenylenes. *Recueil Des Travaux Chimiques Des Pays-Bas*, **1987**, 106, 534-536 34
- 363 Acid-initiated stereospecific polymerization of isocyanopeptides. *Angewandte Chemie - International Edition*, **2005**, 44, 1990-3 16.4 33
- 362 Helical Configuration of Poly(iminomethylenes). Screw Sense of Polymers Derived from Optically Active Alkyl Isocyanides. *Macromolecules*, **1980**, 13, 1386-1391 5.5 33
- 361 Allosterically controlled threading of polymers through macrocyclic dimers. *Journal of the American Chemical Society*, **2015**, 137, 3915-23 16.4 32
- 360 Molecular recognition and self-assembly special feature: Squaring cooperative binding circles. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 10471-6 11.5 32
- 359 Lamellar organic thin films through self-assembly and molecular recognition. *Journal of Organic Chemistry*, **2001**, 66, 391-9 4.2 32

- 358 Molecular clips and cages derived from glycoluril. *Topics in Current Chemistry*, **1995**, 25-56 32
- 357 Novel Subsite-Differentiated [4Fe-4S] Clusters Based on Cyclotrimeratrylene. *Inorganic Chemistry*, **1994**, 33, 999-1000 5.1 32
- 356 Polymerized vesicles derived from an isocyano amphiphile. Electron microscopic evidence of the polymerized state. *Journal of the American Chemical Society*, **1983**, 105, 4507-4510 16.4 32
- 355 Cyclohexene epoxidation by the mono-oxygenase model (tetraphenylporphyrinato)manganese(III) acetate-sodium hypochlorite. *Journal of Molecular Catalysis*, **1985**, 31, 271-287 32
- 354 Probing morphological changes in polymersomes with magnetic birefringence. *Chemical Communications*, **2014**, 50, 5394-6 5.8 31
- 353 Designing processive catalytic systems. Threading polymers through a flexible macrocycle ring. *Journal of the American Chemical Society*, **2014**, 136, 9165-72 16.4 31
- 352 Biocatalytic oxidation by chloroperoxidase from *Caldariomyces fumago* in polymersome nanoreactors. *Organic and Biomolecular Chemistry*, **2009**, 7, 4604-10 3.9 31
- 351 Giant porphyrin disks: control of their self-assembly at liquid-solid interfaces through metal-ligand interactions. *Chemistry - A European Journal*, **2007**, 13, 7948-56 4.8 31
- 350 Multilayered DNA coatings: in vitro bioactivity studies and effects on osteoblast-like cell behavior. *Acta Biomaterialia*, **2007**, 3, 587-96 10.8 31
- 349 Solid phase synthesis of biohybrid block copolymers. *Chemical Communications*, **2005**, 602-4 5.8 31
- 348 Cationic Gemini Surfactants Based on Tartaric Acid: Synthesis, Aggregation, Monolayer Behaviour, and Interaction with DNA. *European Journal of Organic Chemistry*, **2002**, 2002, 1397-1406 3.2 31
- 347 Self-Assembly and Manipulation of Crown Ether Phthalocyanines at the Gel/Graphite Interface. *Angewandte Chemie*, **2001**, 113, 2410-2412 3.6 31
- 346 Molecular clips based on propanediurea: exceptionally high binding affinities for resorcinol guests. *Journal of Organic Chemistry*, **2001**, 66, 2643-53 4.2 30
- 345 Polypyrrole microtubules and their use in the construction of a third generation biosensor. *Synthetic Metals*, **1992**, 51, 397-405 3.6 30
- 344 Alkali Metal Picrate Complexes of Crowned Phthalocyanines. Solid State Structures and Electrical Properties. *Zeitschrift Fur Elektrotechnik Und Elektrochemie*, **1989**, 93, 702-707 30
- 343 Metal Ion-Induced Self-Assembly of a Multi-Responsive Block Copolypeptide into Well-Defined Nanocapsules. *Small*, **2016**, 12, 2476-83 11 30
- 342 Porphyrin cage compounds based on glycoluril - from enzyme mimics to functional molecular machines. *Chemical Communications*, **2019**, 55, 9590-9605 5.8 29
- 341 A hydrogel-based enzyme-loaded polymersome reactor. *Nanoscale*, **2010**, 2, 709-16 7.7 29

- 340 A polymeric molecular "handle" for multiple AFM-based single-molecule force measurements. *Angewandte Chemie - International Edition*, **2008**, 47, 2431-4 16.4 29
- 339 The bis-urea motif as a tool to functionalize self-assembled nanoribbons. *Journal of the American Chemical Society*, **2005**, 127, 16768-9 16.4 29
- 338 LCD-based detection of enzymatic action. *Chemical Communications*, **2006**, 434-5 5.8 29
- 337 Plastic- and liquid-crystalline architectures from dendritic receptor molecules. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 5093-8 11.5 29
- 336 Monolayers of Chiral Imidazole Amphiphiles: Domain Formation and Metal Complexation. *Langmuir*, **1994**, 10, 1955-1961 4 29
- 335 Molecular computing: paths to chemical Turing machines. *Chemical Science*, **2015**, 6, 6050-6058 9.4 28
- 334 Preparation and characterization of non-linear poly(ethylene glycol) analogs from oligo(ethylene glycol) functionalized polyisocyanopeptides. *European Polymer Journal*, **2013**, 49, 1510-1522 5.2 28
- 333 Novel molecular receptors capable of forming Cu₂O₂ complexes. Effect of preorganization on O₂ binding. *Chemical Communications*, **1997**, 389-390 5.8 28
- 332 Reduction of Nicotinamides, Flavins, and Manganese Porphyrins by Formate, Catalyzed by Membrane-Bound Rhodium Complexes. *Journal of Organic Chemistry*, **1995**, 60, 1599-1610 4.2 28
- 331 Novel water soluble molecular clips. Towards nanostructures with controlled shape. *Chemical Communications*, **1996**, 245 5.8 28
- 330 Kinetics and thermodynamics of ethanol oxidation catalyzed by genetic variants of the alcohol dehydrogenase from *Drosophila melanogaster* and *D. simulans*. *Biochimica Et Biophysica Acta - General Subjects*, **1988**, 967, 224-33 4 28
- 329 Stabilization of a Virus-Like Particle and Its Application as a Nanoreactor at Physiological Conditions. *Biomacromolecules*, **2017**, 18, 3492-3497 6.9 27
- 328 Interlocked porphyrin switches. *Chemistry - A European Journal*, **2013**, 19, 7758-70 4.8 27
- 327 The detection of phenols in water using a surface plasmon resonance system with specific receptors. *Sensors and Actuators B: Chemical*, **1998**, 51, 305-310 8.5 27
- 326 Asymmetric imine isomerisation in the enantioselective synthesis of chiral amines from prochiral ketones. *Tetrahedron Letters*, **1995**, 36, 3917-3920 2 27
- 325 Evidence of a chiral superstructure in the discotic mesophase of an optically active phthalocyanine. *Journal of the Chemical Society Chemical Communications*, **1993**, 1120 27
- 324 A structural investigation of octa-n-undecoxypthalocyanine in the solid and liquid-crystalline state and of poly(octa-n-undecoxypthalocyaninato)siloxane by high-resolution solid-state NMR spectroscopy. *Journal of the American Chemical Society*, **1990**, 112, 8800-8806 16.4 27
- 323 Palladium(II) cage compounds based on diphenylglycoluril. *Journal of the American Chemical Society*, **1988**, 110, 172-177 16.4 27

- 322 Characterization of the neutron beam at nELBE. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2013**, 723, 151-162^{1,2} 26
- 321 Synthesis, Characterization, and Surface Initiated Polymerization of Carbazole Functionalized Isocyanides. *Chemistry of Materials*, **2010**, 22, 2597-2607 9.6 26
- 320 Cellular Integration of an Enzyme-Loaded Polymersome Nanoreactor. *Angewandte Chemie*, **2010**, 122, 7371-7374 3.6 26
- 319 Synthesis, characterization, and folding behavior of beta-amino acid derived polyisocyanides. *Chemistry - A European Journal*, **2006**, 12, 2778-86 4.8 26
- 318 Strong Binding of Paraquat and Polymeric Paraquat Derivatives by Basket-Shaped Hosts. *Angewandte Chemie International Edition in English*, **1995**, 34, 2132-2134 26
- 317 Scanning tunnelling microscopy study of polypyrrole films and of glucose oxidase as used in a third-generation biosensor. *Bioelectrochemistry*, **1992**, 29, 47-57 26
- 316 Third-generation amperometric biosensor for glucose. Polypyrrole deposited within a matrix of uniform latex particles as mediator. *Bioelectrochemistry*, **1992**, 29, 159-175 26
- 315 Mechanism of olefin epoxidation by a mono-oxygenase model. *Tetrahedron Letters*, **1984**, 25, 789-792 2 26
- 314 Nanoscale Study of Polymer Dynamics. *ACS Nano*, **2016**, 10, 1434-41 16.7 25
- 313 Synthesis and Characterization of Surface-Initiated Helical Polyisocyanopeptide Brushes. *Macromolecules*, **2008**, 41, 1945-1951 5.5 25
- 312 Noncontact liquid-crystal alignment by supramolecular amplification of nanogrooves. *Angewandte Chemie - International Edition*, **2003**, 42, 1812-5 16.4 25
- 311 Aerobic epoxidation of alkenes using polymer-bound Mukaiyama catalysts. *Journal of the Chemical Society, Perkin Transactions 1*, **2000**, 3428-3431 25
- 310 Stiffness versus architecture of single helical polyisocyanopeptides. *Chemical Science*, **2013**, 4, 2357 9.4 24
- 309 Solvent-dependent amplification of chirality in assemblies of porphyrin trimers based on benzene tricarboxamide. *Chemical Communications*, **2012**, 48, 4371-3 5.8 24
- 308 Expression of Supramolecular Chirality in Aggregates of Chiral Amide-Containing Surfactants. *Chemistry - A European Journal*, **1998**, 4, 127-136 4.8 24
- 307 Ein Metallcarben-Kohlenhydrat-Amphiphil als niedermolekularer metallorganischer Gelbildner. *Angewandte Chemie*, **2003**, 115, 2599-2602 3.6 24
- 306 A printable glucose sensor based on a poly(pyrrole)-latex hybrid material. *Sensors and Actuators B: Chemical*, **2001**, 80, 229-233 8.5 24
- 305 Synthesis, Structure, and Reactivity of Copper Dioxygen Complexes Derived from Molecular Receptor Ligands. *Inorganic Chemistry*, **1999**, 38, 5755-5768 5.1 24

- 304 Molecular Golf Balls: Vesicles from Bowl-Shaped Host Molecules. *Angewandte Chemie International Edition in English*, **1994**, 33, 1662-1663 24
- 303 Optically Active Polyampholytes Derived from L- and D-Carbylanayl-L-histidine. *Macromolecules*, **1980**, 13, 1391-1397 5.5 24
- 302 Aziridines as Precursors for Chiral Amide-Containing Surfactants. *Journal of Organic Chemistry*, **1997**, 62, 4955-4960 4.2 23
- 301 Cyto- and histocompatibility of multilayered DNA-coatings on titanium. *Journal of Biomedical Materials Research - Part A*, **2006**, 77, 202-11 5.4 23
- 300 Oxygen binding and activation by the complexes of PY2- and TPA-appended diphenylglycoluril receptors with copper and other metals. *Dalton Transactions*, **2005**, 3522-34 4.3 23
- 299 Construction of functional porphyrin polystyrene nano-architectures by ATRP. *Chemical Communications*, **2005**, 60-2 5.8 23
- 298 Determination of the helical sense in alanine based polyisocyanides. *Macromolecular Chemistry and Physics*, **2002**, 203, 1625-1630 2.6 23
- 297 Mechanical and optical manipulation of porphyrin rings at the submicrometre scale. *Nanotechnology*, **2000**, 11, 16-23 3.4 23
- 296 HRh[P(OPh)₃]₄ as a hydrogenation and isomerization catalyst. *Journal of Organometallic Chemistry*, **1995**, 496, 159-168 2.3 23
- 295 Kinetic study of the performance of third-generation biosensors. *Bioelectrochemistry*, **1994**, 33, 45-53 23
- 294 Synthesis of concave receptors derived from diphenylglycoluril. *Recueil Des Travaux Chimiques Des Pays-Bas*, **1993**, 112, 643-647 23
- 293 Mechanism of enantioselective ester cleavage by histidine containing dipeptides at a micellar interface. *Journal of Organic Chemistry*, **1991**, 56, 3883-3891 4.2 23
- 292 Poly(iminomethylenes). 9. Induction of screw sense in the nickel(II)-catalyzed polymerization of chiral isocyanides. *Journal of Molecular Catalysis*, **1978**, 4, 427-432 23
- 291 Cyclodextrin-based systems for photoinduced hydrogen evolution. *Physical Chemistry Chemical Physics*, **2011**, 13, 7903-9 3.6 22
- 290 Metal-ion-induced formation and stabilization of protein cages based on the cowpea chlorotic mottle virus. *Small*, **2011**, 7, 911-9 11 22
- 289 Multichromophoric phthalocyanine-(peryleneimide)(8) molecules: a photophysical study. *Chemistry - A European Journal*, **2010**, 16, 10021-9 4.8 22
- 288 Cyclotrimeratrylene models for [4Fe- μ S] proteins: 3:1 subsitedifferentiation and modulation of the redox potential. *Journal of the Chemical Society Dalton Transactions*, **1997**, 449-462 22
- 287 Investigation of Perylene Photonic Wires by Combined Single-Molecule Fluorescence and Atomic Force Microscopy. *Angewandte Chemie*, **2004**, 116, 4137-4141 3.6 22

286	Ferroelectric Liquid Crystal Conglomerates. <i>Topics in Stereochemistry</i> , 2004 , 457-518		22
285	Fabrication of Organic-Inorganic Semiconductor Composites Utilizing the Different Aggregation States of a Single Amphiphilic Dendrimer. <i>Langmuir</i> , 2002 , 18, 2571-2576	4	22
284	Tunable Supramolecular Structures from a Gluconamide Containing Imidazole. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 986-987		22
283	Functionalized basket-shaped hosts. Synthesis and complexation studies with (alkali) metal and ammonium and diammonium ions. <i>Journal of Organic Chemistry</i> , 1990 , 55, 454-461	4.2	22
282	Screw sense selective polymerization of achiral Isocyanides catalysed by complexes of nickel(II) and optically active amines. <i>Journal of the Chemical Society Chemical Communications</i> , 1986 , 1789		22
281	Poly(iminomethylenes). 8. Circular insertion mechanism of nickel(II)-catalyzed polymerization of isocyanides. <i>Journal of Molecular Catalysis</i> , 1978 , 4, 423-426		22
280	Transfection by cationic gemini lipids and surfactants. <i>MedChemComm</i> , 2018 , 9, 1404-1425	5	21
279	Measurement of the proton light response of various LAB based scintillators and its implication for supernova neutrino detection via neutrino-proton scattering. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	21
278	Cysteine-containing polyisocyanides as versatile nanoplatfoms for chromophoric and bioscaffolding. <i>Chemistry - A European Journal</i> , 2010 , 16, 6176-86	4.8	21
277	Insights in the organization of DNA-surfactant monolayers using cryo-electron tomography. <i>Journal of the American Chemical Society</i> , 2007 , 129, 11894-5	16.4	21
276	Copper(II) Complexes of a Dicephalic Imidazole Surfactant. Tunable Organization of Metalloaggregates. <i>Langmuir</i> , 1999 , 15, 7008-7013	4	21
275	Structure determination, spectroscopic characterization, and magnetic properties of a novel dinuclear copper(II) crown ether bipyridine complex. <i>Inorganic Chemistry</i> , 1993 , 32, 3029-3033	5.1	21
274	Polyisocyanides II. Kinetics and mechanism of the polymerization. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1973 , 92, 788-800		21
273	Chiral self-assembled structures from biomolecules and synthetic analogues. <i>Advances in Supramolecular Chemistry</i> , 2000 , 41-156		21
272	Motion Control of Polymeric Nanomotors Based on Host-Guest Interactions. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8687-8691	16.4	20
271	A manganese porphyrin- β -cyclodextrin conjugate as an artificial enzyme for the catalytic epoxidation of polybutadiene. <i>Chemical Communications</i> , 2018 , 54, 5586-5589	5.8	20
270	Controlled templating of porphyrins by a molecular command layer. <i>Langmuir</i> , 2011 , 27, 2644-51	4	20
269	Supramolecular expression of chirality in assemblies of geminisurfactants. <i>Chemical Communications</i> , 1997 , 1423-1424	5.8	20

- 268 Supramolecular command surfaces for liquid crystal alignment. *Polymer International*, **2007**, 56, 1186-1193, 20
- 267 Giant Amphiphiles by Cofactor Reconstitution. *Angewandte Chemie*, **2002**, 114, 4413-4415 3.6 20
- 266 Synthesis and hierarchical self-assembly of cavity-containing facial amphiphiles. *Journal of Organic Chemistry*, **2003**, 68, 9040-9 4.2 20
- 265 Biocompatible polystyrenes containing pendant tetra(ethylene glycol) and phosphorylcholine groups. *Journal of Polymer Science Part A*, **2001**, 39, 468-474 2.5 20
- 264 Effect of branching in alkyl groups of tertiary amines on their performance as catalysts in the high pressure promoted Baylis-Hillman reaction. *Tetrahedron*, **1996**, 52, 8307-8314 2.4 20
- 263 Langmuir-Blodgett mono- and multilayers of poly(isocyanides)s with different sidechains. *Thin Solid Films*, **1991**, 196, 153-162 2.2 20
- 262 An Artificial Channel Type Ionophore. *Israel Journal of Chemistry*, **1984**, 24, 297-301 3.4 20
- 261 Polymersomes: Small 10/2009. *Small*, **2009**, 5, NA-NA 11 19
- 260 Scanning Tunneling Microscopy and Spectroscopy Studies of Porphyrins at Solid-Liquid Interfaces. *Japanese Journal of Applied Physics*, **2006**, 45, 1953-1955 1.4 19
- 259 Mimicking the Motion of Life: Catalytically Active Rotaxanes as Processive Enzyme Mimics. *Australian Journal of Chemistry*, **2004**, 57, 323 1.2 19
- 258 Nanometer space resolved photochemistry. *Chemical Communications*, **2001**, 585-592 5.8 19
- 257 Crystal and molecular structure of tetrapyrrolyl-copper(II)-bis-nitrato-bis-pyridine. *Journal of Chemical Crystallography*, **1995**, 25, 425-427 0.5 19
- 256 Synthesis and physical properties of novel guanidine containing molecular clips. Strong host-guest binding and formation of a lyotropic liquid crystalline phase. *Chemical Communications*, **1996**, 241-243 5.8 19
- 255 Second-Harmonic Generation from Floating Monolayers and Langmuir-Blodgett Multilayers of Poly(isocyanide)s. *Macromolecules*, **1996**, 29, 4876-4879 5.5 19
- 254 Olefin epoxidation by manganese(III)-porphyrin complexes: effect of pyridine on stereoselectivity. *Journal of Molecular Catalysis*, **1984**, 26, 333-335 19
- 253 Poly(iminomethylenes). 21. Synthesis of copolymers of isocyanides derived from alanylserine and alanylhistidine. *Journal of Organic Chemistry*, **1985**, 50, 3138-3143 4.2 19
- 252 Slippage of a porphyrin macrocycle over threads of varying bulkiness: implications for the mechanism of threading polymers through a macrocyclic ring. *Chemistry - A European Journal*, **2015**, 21, 360-70 4.8 18
- 251 Complex assembly behavior during the encapsulation of green fluorescent protein analogs in virus derived protein capsules. *Macromolecular Bioscience*, **2010**, 10, 539-45 5.5 18

- 250 In vitro and in vivo effects of deoxyribonucleic acid-based coatings functionalized with vascular endothelial growth factor. *Tissue Engineering*, **2007**, 13, 711-20 18
- 249 Liquid-crystalline phthalocyanines revisited. *Liquid Crystals*, **2006**, 33, 1373-1387 2.3 18
- 248 Synthesis, aggregation, and binding behavior of synthetic amphiphilic receptors. *Journal of Organic Chemistry*, **2001**, 66, 1538-47 4.2 18
- 247 Synthesis and Photophysical Properties of Porphyrin-Functionalized Molecular Clips. *Journal of Organic Chemistry*, **1999**, 64, 6653-6663 4.2 18
- 246 Slow structural rearrangement of a side-chain phthalocyanine methacrylate polymer at the air-water interface. *Macromolecules*, **1993**, 26, 3306-3312 5.5 18
- 245 Crystal Structure and Silver Ion Complexation of a Novel Porphyrazine Substituted with four Dithiacrown ether Rings. *Recueil Des Travaux Chimiques Des Pays-Bas*, **1994**, 113, 109-110 18
- 244 Tunable Supramolecular Structures from Clips and Baskets Derived from Glycoluril. *Journal of the American Chemical Society*, **1994**, 116, 8825-8826 16.4 18
- 243 Eine Käfigverbindung mit einem Rhl-Zentrum mit selektiven katalytischen Eigenschaften. *Angewandte Chemie*, **1992**, 104, 906-909 3.6 18
- 242 Electrical conductivity in complexes of Crowned phthalocyanines with metal salts. *Journal of the Chemical Society Chemical Communications*, **1988**, 108-109 18
- 241 A simple and mild method for the removal of the Nlm-tosyl protecting group. *Journal of Organic Chemistry*, **1980**, 45, 547-548 4.2 18
- 240 Photocatalytic oxidation of stilbene by self-assembled stacks of manganese porphyrins. *Chemical Communications*, **2013**, 49, 10787-9 5.8 17
- 239 Variation of the Viologen Electron Relay in Cyclodextrin-Based Self-Assembled Systems for Photoinduced Hydrogen Evolution from Water. *European Journal of Organic Chemistry*, **2012**, 2012, 6729-6736 17
- 238 Vibrational self-trapping in beta-sheet structures observed with femtosecond nonlinear infrared spectroscopy. *Journal of Chemical Physics*, **2009**, 131, 124503 3.9 17
- 237 Self-assembly of corrole trimers in solution and at the solid-liquid interface. *Journal of Materials Chemistry*, **2009**, 19, 66-69 17
- 236 Silane-based hybrids for biomedical applications. *Journal of Adhesion Science and Technology*, **2002**, 16, 143-155 2 17
- 235 Enzyme Mimic Displaying Oscillatory Behavior. Oscillating Reduction of Manganese(III) Porphyrin in a Membrane-Bound Cytochrome P-450 Model System. *Journal of the American Chemical Society*, **1995**, 117, 12655-12656 16.4 17
- 234 Synthesis and Conformational Behavior of Rhodium(I) Metallohosts Derived from Diphenylglycoluril. *Journal of Organic Chemistry*, **1996**, 61, 4739-4747 4.2 17
- 233 Host-guest complexation. 27. Hosts containing only cyclic urea binding sites. *Journal of the American Chemical Society*, **1984**, 106, 1416-1420 16.4 17

232	Aerobic Epoxidation of Low-Molecular-Weight and Polymeric Olefins by a Supramolecular Manganese Porphyrin Catalyst. <i>Catalysts</i> , 2019 , 9, 195	4	16
231	Structure-delivery relationships of lysine-based gemini surfactants and their lipoplexes. <i>Soft Matter</i> , 2014 , 10, 5702-14	3.6	16
230	Sequential energy and electron transfer in polyisocyanopeptide-based multichromophoric arrays. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 1590-600	3.4	16
229	A molecular cation channel. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 101, 409-410		16
228	On the mechanism of epoxidation of alkenes with hypochlorite, catalysed by manganese(III) tetraarylporphyrins. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 109, 537-551		16
227	Dicephalic surfactants. <i>Chemical Communications</i> , 1998 , 743-744	5.8	16
226	Synthesis, X-ray structure and binding properties of molecular clips based on dimethylpropanediurea. <i>Chemical Communications</i> , 1998 , 121-122	5.8	16
225	Alignment of extremely long single polymer chains by exploiting hydrodynamic flow. <i>ChemPhysChem</i> , 2004 , 5, 128-30	3.2	16
224	Chain Conformation, Crystal Structures, and Structural Disorder in Stereoregular Polymers. <i>Topics in Stereochemistry</i> , 2004 , 71-155		16
223	Hexakis (pyridyl-functionalised porphyrinato)benzene as a building block for the construction of multi-chromophoric arrays. <i>Tetrahedron Letters</i> , 2002 , 43, 9351-9355	2	16
222	Preparation of Langmuir-Blodgett Mono- and Multilayers of Copolymers of Isocyanides with NLO-Active Side Chains. Effect of a Spacer Group between the NLO Chromophore and the Polymer Backbone. <i>Macromolecules</i> , 1996 , 29, 4871-4875	5.5	16
221	Mixed mono- and multilayers of poly(isocyanide)s with non-linear optically active side chains. <i>Thin Solid Films</i> , 1994 , 248, 110-114	2.2	16
220	Basket-shaped hosts with semi-flexible handles. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1990 , 109, 147-153		16
219	Polymers and copolymers of imidazole-containing isocyanides. Esterolytic activity and enantioselectivity. <i>Macromolecules</i> , 1985 , 18, 1818-1825	5.5	16
218	Mechanism of alkene epoxidation by a cytochrome P-450 model. Effect of additives. <i>Journal of the Chemical Society Chemical Communications</i> , 1986 , 277		16
217	Controlling the gelation temperature of biomimetic polyisocyanides. <i>Chinese Chemical Letters</i> , 2018 , 29, 281-284	8.1	16
216	Carbenoid transfer reactions catalyzed by a ruthenium porphyrin macrocycle. <i>Tetrahedron</i> , 2017 , 73, 5029-5037	2.4	15
215	Nonequilibrium Reshaping of Polymersomes Polymer Addition. <i>ACS Nano</i> , 2019 , 13, 12767-12773	16.7	15

214	Strong induced-fit binding of viologen and pyridine derivatives in adjustable porphyrin cavities. <i>Chemistry - A European Journal</i> , 2014 , 20, 11574-83	4.8	15
213	Beta sheets with a twist: the conformation of helical polyisocyanopeptides determined by using vibrational circular dichroism. <i>Chemistry - A European Journal</i> , 2013 , 19, 13168-74	4.8	15
212	Kinetic switching between two modes of bisurea surfactant self-assembly. <i>Chemical Communications</i> , 2010 , 46, 6063-5	5.8	15
211	Lyotropic liquid-crystalline behavior of polyisocyanodipeptides. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 981-988	2.5	15
210	The development of self-assembled liquid crystal display alignment layers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007 , 365, 1553-76	3	15
209	Reductive activation of dioxygen by a manganese(III) porphyrin-rhodium(III) formate catalytic system. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 472-473		15
208	Synthesis and conformational behaviour of novel cyclodextrin hetero-dimers. <i>Tetrahedron Letters</i> , 1994 , 35, 8661-8664	2	15
207	Synergistic effects in the epoxidation of mixtures of styrene and aliphatic alkenes catalysed by a cytochrome P-450 model. <i>Journal of the Chemical Society Chemical Communications</i> , 1987 , 888		15
206	A Double-Cavity-Containing Porphyrin Host as a Highly Stable Epoxidation Catalyst. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 5246-5253	3.2	14
205	Synthesis and aggregation behavior of biohybrid amphiphiles composed of a tripeptidic head group and a polystyrene tail. <i>Soft Matter</i> , 2009 , 5, 1692	3.6	14
204	Tuning the properties of PS-block copolymers and their assembly into polymersomes. <i>Soft Matter</i> , 2008 , 4, 1003-1010	3.6	14
203	Macrophage behavior on multilayered DNA-coatings in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , 2007 , 80, 612-20	5.4	14
202	X-ray spectroscopic and diffraction study of the structure of the active species in the Ni(II)-catalyzed polymerization of isocyanides. <i>ChemPhysChem</i> , 2007 , 8, 1850-6	3.2	14
201	Self-Assembly of Chiral Phthalocyanines and Chiral Crown Ether Phthalocyanines 2003 , 281-301		14
200	Chiral Molecular Self-Assembly. <i>Topics in Stereochemistry</i> , 2004 , 281-372		14
199	Synthesis, characterization and aggregation behavior of block copolymers containing a polyisocyanopeptide segment. <i>Polymer</i> , 2004 , 45, 7417-7430	3.9	14
198	Alignment of Phthalocyanine molecular aggregates by magnetic fields. <i>Physica B: Condensed Matter</i> , 2001 , 294-295, 343-346	2.8	14
197	Dynamic process in a hexameric benzo-porphyrin studied by femtosecond transient absorption. <i>Chemical Physics Letters</i> , 1999 , 303, 261-267	2.5	14

196	Durch Selbstorganisation zu einem mehradrigen molekularen Kabel mit einer Länge von einigen Mikrometern. <i>Angewandte Chemie</i> , 1994 , 106, 2298-2300	3.6	14
195	Synthesis of polymers of isocyanides derived from tripeptides containing imidazolyl, carboxyl, and hydroxymethyl groups. <i>Journal of Organic Chemistry</i> , 1985 , 50, 3133-3137	4.2	14
194	Direct Synthesis of Chiral Porphyrin Macrocyclic Receptors via Regioselective Nitration. <i>Organic Letters</i> , 2018 , 20, 3719-3722	6.2	13
193	Induction of liquid-crystallinity in molecular clips by binding of different guest molecules. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997 , 1473-1478		13
192	Synthesis of Porphyrin-Containing [3]Rotaxanes by Olefin Metathesis. <i>Angewandte Chemie</i> , 2003 , 115, 674-678	3.6	13
191	Novel alignment technique for LCD-biosensors. <i>Chemical Communications</i> , 2003 , 2856-7	5.8	13
190	Protein-Polymer Hybrid Amphiphiles. <i>Angewandte Chemie</i> , 2001 , 113, 4868-4870	3.6	13
189	Redox behaviour of novel copper(II) crown ether-pyrazole complexes. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 88-90		13
188	Location and aggregation behaviour of tetra-aryl-porphyrins in dioctadecyldimethylammonium chloride vesicles. <i>Journal of the Chemical Society Chemical Communications</i> , 1990 , 638		13
187	Surfactants containing imidazole ligands. Spontaneous formation of vesicles by addition of metal ions. <i>Journal of the Chemical Society Chemical Communications</i> , 1990 , 1658		13
186	Absolute configuration and host-guest binding of chiral porphyrin-cages by a combined chiroptical and theoretical approach. <i>Nature Communications</i> , 2020 , 11, 4776	17.4	13
185	Direct Backbone Structure Determination of Polyisocyanodipeptide Using Solid-State Nuclear Magnetic Resonance. <i>Macromolecules</i> , 2012 , 45, 2209-2218	5.5	12
184	Postfunctionalization of Helical Polyisocyanopeptides with Phthalocyanine Chromophores by Click Chemistry. <i>ChemPlusChem</i> , 2012 , 77, 700-706	2.8	12
183	Water soluble azido polyisocyanopeptides as functional sheet mimics. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 4150-4164	2.5	12
182	Polyisocyanides 5. Synthesis and polymerization of carbylhistidine and carbylhistamine. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 97, 46-49		12
181	High resolution ¹ H-NMR study on self-complexation phenomena in cyclodextrin dimers. <i>Tetrahedron</i> , 1998 , 54, 3513-3522	2.4	12
180	Construction of supramolecular multi-component assemblies by using allosteric interactions. <i>Tetrahedron</i> , 2008 , 64, 8535-8542	2.4	12
179	X-ray Absorption Spectroscopic Studies on Nickel Catalysts for Epoxidation. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 8631-8640	3.9	12

- 178 Optically Active Polymers with Chiral Recognition Ability. *Topics in Stereochemistry*, **2004**, 157-208 12
- 177 A percutaneous device as model to study the in vivo performance of implantable amperometric glucose sensors. *Journal of Materials Science: Materials in Medicine*, **2001**, 12, 129-34 4.5 12
- 176 A manganese(III) porphyrin/rhodium(III) bipyridine/formate catalyst system for the reductive activation of molecular oxygen. *Journal of Molecular Catalysis A*, **1996**, 113, 257-267 12
- 175 Novel Bimetallic Model System for Cytochrome P450: Effect of Membrane Environment on the Catalytic Oxidation. *Angewandte Chemie International Edition in English*, **1995**, 33, 2468-2470 12
- 174 Synthesis and magnetic properties of a rigid high spin-density polymer with piperidine-N-oxyl pending groups. *Macromolecules*, **1990**, 23, 946-948 5.5 12
- 173 Modular, Bioorthogonal Strategy for the Controlled Loading of Cargo into a Protein Nanocage. *Bioconjugate Chemistry*, **2018**, 29, 1186-1193 6.3 11
- 172 Alternative application of an affinity purification tag: hexahistidines in ester hydrolysis. *Scientific Reports*, **2017**, 7, 14772 4.9 11
- 171 Helical configuration of poly(tert-butyliminomethylene). Complete resolution and maximum optical rotation. *Recueil Des Travaux Chimiques Des Pays-Bas*, **2010**, 99, 121-123 11
- 170 Electrical properties of a molecular ion channel. *Recueil Des Travaux Chimiques Des Pays-Bas*, **2010**, 103, 260-262 11
- 169 The rate-determining step in the epoxidation of alkenes by the cytochrome P-450 model manganese(III) porphyrin/hypochlorite. *Recueil Des Travaux Chimiques Des Pays-Bas*, **2010**, 108, 73-77 11
- 168 Crown-ether-substituted phthalocyanines. Control of supramolecular organization by monovalent and divalent metal salts. *Recueil Des Travaux Chimiques Des Pays-Bas*, **2010**, 109, 425-428 11
- 167 Allosterically Driven Multicomponent Assembly. *Angewandte Chemie*, **2004**, 116, 4859-4863 3.6 11
- 166 Acid-Initiated Stereospecific Polymerization of Isocyanopeptides. *Angewandte Chemie*, **2005**, 117, 2026-2029 11
- 165 X-ray Absorption Spectroscopic Studies of the Copper(I) Complexes of Crown Ether Appended Bis{(2-pyridyl)ethyl}amines and Their Dioxygen Adducts. *Inorganic Chemistry*, **1999**, 38, 6171-6180 5.1 11
- 164 Development of supramolecular metalloprotein mimics. *Pure and Applied Chemistry*, **1996**, 68, 2163-2170.1 11
- 163 Effects of metal salts on structural, electrical and gas-sensing properties of crown-ether-substituted phthalocyanines and related compounds. *Sensors and Actuators B: Chemical*, **1993**, 16, 301-305 8.5 11
- 162 Effect of Chirality on the Binding of Viologen Guests in Porphyrin Macrocycles. *European Journal of Organic Chemistry*, **2019**, 2019, 3525-3533 3.2 10
- 161 Nanoscale organization of proteins via block copolymer lithography and non-covalent bioconjugation. *Journal of Materials Chemistry B*, **2013**, 1, 3026-3030 7.3 10

160	Solution scattering studies on a virus capsid protein as a building block for nanoscale assemblies. <i>Soft Matter</i> , 2011 , 7, 11380	3.6	10
159	Activity and enantioselectivity in the hydrolysis of substituted phenyl esters catalysed by imidazole-containing poly(iminomethylenes). <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 100, 222-226		10
158	Subsite-Specific Reactions of a Cyclotrimeratrylene [4Fe-4S] Cluster Complex. <i>Chemische Berichte</i> , 1997 , 130, 1151-1157		10
157	AFM and electron microscopy study of the unusual aggregation behavior of metallosurfactants based on iron(II) complexes with bipyridine ligands. <i>Langmuir</i> , 2007 , 23, 7951-7	4	10
156	Synthesis of multi-porphyrin arrays and study of their self-assembly behaviour at the air/water interface. <i>Journal of Physical Organic Chemistry</i> , 2001 , 14, 501-512	2.1	10
155	Crowned-Fe ₄ S ₄ Clusters as Electrochemical Metal Ion Sensors. <i>European Journal of Inorganic Chemistry</i> , 2000 , 2000, 253-264	2.3	10
154	Surface-tension-gradient-induced pattern formation in monolayers. <i>Physical Review Letters</i> , 1993 , 71, 4003-4006	7.4	10
153	Einstellbare supramolekulare Strukturen eines Gluconamids mit einer Imidazolgruppe. <i>Angewandte Chemie</i> , 1994 , 106, 1054-1055	3.6	10
152	An amphiphilic porphyrin with unexpected aggregation behaviour. <i>Tetrahedron Letters</i> , 1993 , 34, 7077-7080		10
151	Expansion of the assembly of cowpea chlorotic mottle virus towards non-native and physiological conditions. <i>Tetrahedron</i> , 2017 , 73, 4968-4971	2.4	9
150	Rapid and scalable synthesis of chiral porphyrin cage compounds. <i>Tetrahedron</i> , 2019 , 75, 4640-4647	2.4	9
149	(tert-Butyl isocyanide) (ethanol)nickel(II) chloride. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 92, 275-280		9
148	Molecular-mechanics calculation on oligomers of tert-butyl isocyanide. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 112, 33-37		9
147	Biological responses to multilayered DNA-coatings. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007 , 81, 231-8	3.5	9
146	Synthesis and Characterization of PY2- and TPA-Appended Diphenylglycoluril Receptors and Their Bis-CuI Complexes. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 2281-2295	3.2	9
145	Divalent ligand for intramolecular complex formation to streptavidin. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 2393-5	3.9	9
144	Self-assembly studies of allosteric photosynthetic antenna model systems. <i>New Journal of Chemistry</i> , 2006 , 30, 148-155	3.6	9
143	Tuning intermolecular interactions in a rodlike polymer assembled at surfaces and in solution. <i>Langmuir</i> , 2004 , 20, 8955-7	4	9

142	Host-guest complexes with tuneable solid state structures. <i>Chemical Communications</i> , 2000 , 355-356	5.8	9
141	Aggregation of a crown ether-based copper amphiphile as a mimic for the superstructure of hemocyanin. <i>Dalton Transactions RSC</i> , 2001 , 3056-3064		9
140	Feste Bindung von Paraquat und polymeren Paraquat-Derivaten in korbffmigen Wirtmolekfen. <i>Angewandte Chemie</i> , 1995 , 107, 2288-2289	3.6	9
139	Iodine-doped crownphthalocyanines. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1990 , 109, 230-234		9
138	Synthesis and X-ray structure of a novel concave tetradentate sulphur ligand system: electrochemical characterisation of a semi-encapsulated [4Fe4S]2+ cluster complex. <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 1623-1625		9
137	Supramolecular organization of macrocyclic rings. Cofacial assembly of crown-ether-substituted silicon phthalocyanines. <i>Journal of the Chemical Society Chemical Communications</i> , 1988 , 1232		9
136	Screw sense differentiating polymerization of achiral isocyanides. <i>Journal of the Chemical Society Chemical Communications</i> , 1984 , 726		9
135	Molecular motor-functionalized porphyrin macrocycles. <i>Nature Communications</i> , 2020 , 11, 5291	17.4	9
134	Directional threading of a chiral porphyrin cage compound onto viologen guests. <i>Chemical Communications</i> , 2018 , 54, 12491-12494	5.8	9
133	Construction of phthalocyanine-terminated polystyrene nanoarchitectures. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 586-591	2.1	8
132	Influence of stacking on the self-assembly and coiling of multi-chromophoric polymers based on perylenebis(dicarboximides): an AFM study. <i>Soft Matter</i> , 2009 , 5, 4680	3.6	8
131	Poly(iminomethylenes). 7. Synthesis of diphenylphosphine-substituted poly[(l-phenylethyl)iminomethylene]. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 97, 112-115		8
130	A nickel-carbene complex as an intermediate in the polymerization of isocyanides. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 107, 175-181		8
129	Chiral basket-shaped host compounds derived from diphenylglycoluril. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 114, 65-71		8
128	Boomerang shaped aggregates from a histidine surfactant. <i>Chemical Communications</i> , 1997 , 455-456	5.8	8
127	Characterization of a [4Fe-4S]-Ferredoxin Model Based on a Concave Tetradentate Thiol Ligand System. <i>Chemische Berichte</i> , 1997 , 130, 23-34		8
126	Binding Properties of Two Novel Phosphane-Modified Tetrapodants and Their Bimetallic Transition Metal Complexes. <i>European Journal of Inorganic Chemistry</i> , 1998 , 1998, 1975-1985	2.3	8
125	Correctly validating results from single molecule data: The case of stretched exponential decay in the catalytic activity of single lipase B molecules. <i>Chemical Physics Letters</i> , 2006 , 432, 371-374	2.5	8

124	Magnetic Fields as an Investigation Technique and Manipulation Tool for Phthalocyanine Molecular Aggregates. <i>Advanced Functional Materials</i> , 2004 , 14, 261-265	15.6	8
123	Chirality of Catalysts for Stereospecific Polymerizations. <i>Topics in Stereochemistry</i> , 2004 , 1-69		8
122	A cell for combined UV-visible and x-ray absorption spectroscopy studies under low-temperature and air exclusion conditions. <i>Review of Scientific Instruments</i> , 2002 , 73, 2994-2998	1.7	8
121	Silver(I) induced conformational change in a molecular clip. <i>Tetrahedron Letters</i> , 1994 , 35, 2801-2804	2	8
120	Molekulare Golfbälle: Vesikel aus schalenförmigen Wirtmolekülen. <i>Angewandte Chemie</i> , 1994 , 106, 1741-1742		8
119	X-ray Structures of Mono- and Dinuclear Cu(II) Complexes of Novel Pyridine-Crown Ether Ligands. <i>Inorganic Chemistry</i> , 1994 , 33, 5541-5546	5.1	8
118	Rhodium(III) cage compounds based on diphenylglycoluril. <i>Journal of the American Chemical Society</i> , 1989 , 111, 2078-2085	16.4	8
117	Synthesis and characterization of vesicles stabilized by polymerization of isocyano functions. <i>Macromolecules</i> , 1987 , 20, 920-929	5.5	8
116	Intermediate species in the polymerization of isocyanides. <i>Journal of Molecular Catalysis</i> , 1988 , 49, 21-32		8
115	Hydrogenation of cyclohexene by molecular hydrogen catalysed by linear polymers highly loaded with rhodium complexes. <i>Journal of Molecular Catalysis</i> , 1981 , 11, 343-351		8
114	Motion Control of Polymeric Nanomotors Based on Host-Guest Interactions. <i>Angewandte Chemie</i> , 2019 , 131, 8779-8783	3.6	7
113	Conformational Analysis and Binding Properties of a Cavity Containing Porphyrin Catalyst Provided with Urea Functions. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 4487-4495	3.2	7
112	Prozessive Katalyse. <i>Angewandte Chemie</i> , 2014 , 126, 11604-11612	3.6	7
111	Amine-reactive PEGylated nanoparticles for potential bioconjugation. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 19-24	4.8	7
110	Self-trapped vibrational states in synthetic beta-sheet helices. <i>Chemical Communications</i> , 2009 , 4675-7	5.8	7
109	Morphology of protein polymer hybrid films studied by atomic force microscopy and scanning confocal fluorescence microscopy. <i>Thin Solid Films</i> , 2003 , 443, 124-135	2.2	7
108	Self-Association and Self-Assembly of Molecular Clips in Water. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2001 , 41, 65-68		7
107	Autocatalytic ring opening of N-acylaziridines. Complete control over regioselectivity by orientation at interfaces. <i>Chemical Communications</i> , 2001 , 269-270	5.8	7

106	Electrochemical and binding properties of a novel ferrocene-containing redox-active basket-shaped host molecule. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998 , 2083-2090		7
105	Tuning the supramolecular expression of chirality: phospholipid analogues containing amide linkages. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 1941		7
104	Structurally related hosts with remarkably different binding features. <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 885-886		7
103	Synthesis and properties of a novel cavity-forming ligand-system based on diphenylglycoluril. <i>Tetrahedron Letters</i> , 1986 , 27, 243-246	2	7
102	Engineered protein cages for selective heparin encapsulation. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 1272-1276	7-3	7
101	Mechanism of enantioselective ester cleavage by histidine-containing peptides at a micellar interface. 2. Effect of changing peptide chain length. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 111, 459-468		6
100	Enantioselective cleavage of esters by histidine-containing tripeptides in micellar solutions of various hexadecyltrialkylammonium bromide surfactants. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 112, 1-6		6
99	Chirality in the Polysilanes. <i>Topics in Stereochemistry</i> , 2004 , 209-280		6
98	Chiral Discotic Molecules: Expression and Amplification of Chirality. <i>Topics in Stereochemistry</i> , 2004 , 373-423		6
97	Synthesis and physical properties of a porphyrin cavity based on glycoluril. <i>Journal of Supramolecular Chemistry</i> , 2002 , 2, 151-158		6
96	Aggregation behaviour and binding properties of an l-lysine appended glycoluril receptor. <i>Tetrahedron Letters</i> , 2001 , 42, 2751-2753	2	6
95	Optical transduction of chemical sensing by thin films of colour reagents and molecular receptors using piezo-optical and surface plasmon resonance methods. <i>Journal of Materials Chemistry</i> , 2000 , 10, 175-182		6
94	First example of a 1:1 copper(II)-2,2'-bipyridine complex. <i>Inorganica Chimica Acta</i> , 1991 , 190, 163-164	2.7	6
93	X-ray structure of a molecular basket. Origin of its poor binding properties. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1993 , 112, 400-403		6
92	Synthesis and X-ray structure of a novel cavity-containing dinuclear nickel(II) complex. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1993 , 112, 404-406		6
91	Effect of pH on the epoxidation of alkenes by the cytochrome P-450 model manganese(III) porphyrin/hypochlorite. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1989 , 108, 185-188		6
90	Synthesis of Polymers of Isocyanides 1992 , 273-310		6
89	Supramolecular Organization of Phthalocyanines. Design and Synthesis of Low Dimensional Conductors 1992 , 223-239		6

88	Virus-like particles as crosslinkers in fibrous biomimetic hydrogels: approaches towards capsid rupture and gel repair. <i>Soft Matter</i> , 2018 , 14, 1442-1448	3.6	5
87	Thermodynamics and kinetics of guest-induced switching between "basket handle" porphyrin isomers. <i>Molecules</i> , 2014 , 19, 5278-300	4.8	5
86	Sorting catalytically active polymersome nanoreactors by flow cytometry. <i>Small</i> , 2009 , 5, 1138-43	11	5
85	Synthesis of imidazole-containing poly(iminomethylenes). Choice of N(lm)-protecting group. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 103, 46-50		5
84	Untersuchung von Elektronentransferprozessen mit neuartigen, spaltenbildenden Porphyrinen. <i>Angewandte Chemie</i> , 1997 , 109, 396-399	3.6	5
83	Electron tomography shows molecular anchoring within a layer-by-layer film. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12608-9	16.4	5
82	Some Correlations Between Molecular and Cholesteric Handedness. <i>Topics in Stereochemistry</i> , 2004 , 425-455		5
81	Highly stable first-generation biosensor for glucose utilizing latex particles as the enzyme-immobilizing matrix. <i>Enzyme and Microbial Technology</i> , 1994 , 16, 402-8	3.8	5
80	Polymeric model system for protein-bilirubin interaction. <i>Biopolymers</i> , 1980 , 19, 445-8	2.2	5
79	Phthalocyanines and Phthalocyanine Analogues: The Quest for Applicable Optical Properties 2001 , 3-11		5
78	Host-Guest Exchange of Viologen Guests in Porphyrin Cage Compounds as Studied by Selective Exchange Spectroscopy (1D EXSY) NMR. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 1254-1262 ^{16.4}		5
77	Self-Assembly and Stabilization of Hybrid Cowpea Chlorotic Mottle Virus Particles under Nearly Physiological Conditions. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3518-3525	4.5	5
76	STM studies of the self-assembly of manganese porphyrin catalysts at the Au(111)β-tetradecane interface. <i>New Journal of Physics</i> , 2009 , 11, 083011	2.9	4
75	Design and construction of supramolecular and macromolecular architectures by tandem interactions. <i>Macromolecular Symposia</i> , 1997 , 117, 291-304	0.8	4
74	DNA-Coatings: Bioactive Properties and Effects on Osteoblast-Like Cells. <i>Key Engineering Materials</i> , 2007 , 361-363, 605-608	0.4	4
73	Templated self-assembly of porphyrin cages. <i>Israel Journal of Chemistry</i> , 2005 , 45, 271-279	3.4	4
72	Hierarchical self-assembly of a host-guest porphyrin array. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003 , 07, 249-254	1.8	4
71	Nonlinear Optics and Chirality. <i>Topics in Stereochemistry</i> , 2004 , 519-570		4

70	Self-Assembled Nanoreactors. <i>ChemInform</i> , 2005 , 36, no		4
69	Porphyrin clips derived from diphenylglycoluril. Synthesis, conformational analysis, and binding properties. <i>Journal of Organic Chemistry</i> , 2000 , 65, 1600	4.2	4
68	Copper(II) Bipyridine and Crown Ether-Bipyridine Complexes: X-ray Structures, Characterization, and Properties as Histamine Receptors. <i>Supramolecular Chemistry</i> , 1996 , 8, 31-44	1.8	4
67	Ein zwei Metalle enthaltendes Modellsystem für Cytochrom P450: Einfluß des Membranmilieus auf die katalytische Oxidation. <i>Angewandte Chemie</i> , 1994 , 106, 2587-2588	3.6	4
66	Crystal structure of 1,6:3,4-bis(4,5-benzo-3,6-dimethoxy-1,2-xylene) tetrahydro-3a,6a-diphenylimidazo[4,5-d]imidazole-2,5(1H,3H)-dione, C ₄₄ H ₃₈ N ₄ O ₆ . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 1991 , 197,	1	4
65	Allosteric effects in a synthetic receptor for alkali metal ions and dinitrobenzene. <i>Journal of Physical Organic Chemistry</i> , 1992 , 5, 649-655	2.1	4
64	Structure of trichlorobis(dimethylsulfoxide)(1-methylbenzimidazole)rhodium(III) dimethyl sulfoxide solvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1987 , 43, 2330-2332		4
63	Polyelectrolyte surfactant complexes as improved models for esterolytic enzymes. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1983 , 102, 417-418		4
62	Self-assembly of porphyrin hexamers via bidentate metal-ligand coordination. <i>Dalton Transactions</i> , 2018 , 47, 14277-14287	4.3	3
61	Solution scattering studies of the hierarchical assembly of porphyrin trimers based on benzene triscarboxamide. <i>Soft Matter</i> , 2014 , 10, 9688-94	3.6	3
60	Characterization of single crystal chemical vapor deposition diamond detectors for neutron spectrometry. <i>Review of Scientific Instruments</i> , 2012 , 83, 10D906	1.7	3
59	Rigid rod polymers with stacked electron donor-acceptor side-chains. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 105, 255-261		3
58	Rhodium(I)-centered cyclotrimeratrylene. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 114, 381-386		3
57	Polyisocyanides: Stiffened Foldamers 367-402		3
56	Assemblies of aziridinemethanols. <i>Journal of Materials Chemistry</i> , 2001 , 11, 269-277		3
55	Illumination-related pattern formations in lipid monolayers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995 , 203, 235-241	2.3	3
54	Langmuir-Blodgett films of poly(isocyanide)s with different sidechains. 2. poly(3-cholesteryl-6-isocyanohexanoate). <i>Thin Solid Films</i> , 1992 , 210-211, 496-499	2.2	3
53	Preferred gauche conformation in N-(2-aminoethyl)pyridinium ions. <i>Journal of Molecular Structure</i> , 1984 , 112, 111-117	3.4	3

52	Synthesis, spectroscopy and polymerization of methyl α -[$^{13}\text{C},^{15}\text{N}$]isocyano)propionate; acetic formic anhydride as N-formylating reagent. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1982 , 101, 183-187		3
51	The crystal and molecular structure of a clip-shaped molecule with two different side-walls. <i>Journal of Chemical Crystallography</i> , 1997 , 27, 75-79	0.5	3
50	Enantioselective synthesis of chiral porphyrin macrocyclic hosts and kinetic enantiorecognition of viologen guests. <i>Chemical Science</i> , 2021 , 12, 1661-1667	9.4	3
49	Supramolecular phthalocyanine assemblies \square Linstead Career Award paper. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020 , 24, 1243-1257	1.8	2
48	Polyisocyanides 2012 , 551-585		2
47	Carbazole functionalized isocyanide brushes in heterojunction photovoltaic devices. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 503-7	1.3	2
46	Receptors functionalized with chiral aza-crown ether rings. Attempted enantioselective catalysis of a Michael addition reaction. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 115, 357-362		2
45	Observation of instability of faceted crystals in lipid monolayers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998 , 237, 247-252	2.3	2
44	Bio-Inspired Supramolecular Catalysis 143-164		2
43	Aggregation of Amphiphiles as a Tool to Create Novel Functional Nano-Objects 2005 , 119-185		2
42	Cover Picture: Vesicles and Polymerized Vesicles from Thiophene-Containing Rod-Coil Block Copolymers (Angew. Chem. Int. Ed. 7/2003). <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 703-703	16.4	2
41	Alignment of Nematic Liquid Crystals on Poled Photo-Polymer Films. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 351, 169-178		2
40	Synthesis and crystal structure of (+)-(2R,3R)-N, N'-bis-trityl-2,3-bis-aziridine. <i>Journal of Chemical Crystallography</i> , 1999 , 29, 179-183	0.5	2
39	Crystal and molecular structure of dihydro-8b,8c-diphenyl-1H,3H,4H,5H,7H,8H,-2,6-dioxo-3a,4a,7a,8a-tetraazacyclopenta[def]fluorene-4,8-dithione. <i>Journal of Chemical Crystallography</i> , 1995 , 25, 421-424		2
38	The crystal and molecular structure of 6,8,15,16b,16c,17-hexahydro-16b,16c-diphenyl-7H,16H-6a,7a,15a,16a-tetraazanaphtho[5,6]azulano[2,1,8-bij]naphtho[f]azulone. <i>Journal of Chemical Crystallography</i> , 1996 , 26, 365-368		2
37	Pattern formations in lipid monolayers under illumination. <i>Physical Review E</i> , 1996 , 53, 2580-2587	2.4	2
36	Supramolecular architectures from phthalocyanine building blocks. <i>Macromolecular Symposia</i> , 1994 , 77, 267-276	0.8	2
35	Weakly conducting poly(β -methylheptyl isocyanide) films. <i>Synthetic Metals</i> , 1990 , 39, 121-123	3.6	2

34	Excited State Probing of Supramolecular Systems on a Submicron Scale 1999 , 119-136		2
33	Helical Molecular Programming 1998 , 37, 63		2
32	79 Ordered Surface Structures of Self-Assembled Porphyrins. <i>Handbook of Porphyrin Science</i> , 2012 , 1-56	0.3	1
31	Modification of the physical properties of polymers by supramolecular interactions. <i>Macromolecular Symposia</i> , 1996 , 102, 217-224	0.8	1
30	Double Porphyrin Cage Compounds. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 7087-7100	3.2	1
29	Atropisomeric Polymers 1987 , 451-464		1
28	From Molecular to Supramolecular Chirality 1995 , 3-11		1
27	Structural and Dynamic Features of Molecular Clips Derived from Diphenylglycoluril 1994 , 205-219		1
26	Host-Guest Exchange of Viologen Guests in Porphyrin Cage Compounds as Studied by Selective Exchange Spectroscopy (1D EXSY) NMR. <i>Angewandte Chemie</i> , 2021 , 133, 1274-1282	3.6	1
25	Allosteric Guest Binding in Chiral Zirconium(IV) Double Decker Porphyrin Cages. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 607-617	3.2	1
24	Synthetic polymers as substrates for a DNA-sliding clamp protein. <i>Biopolymers</i> , 2018 , 109, e23119	2.2	1
23	Poly(3,4-ethylenedioxythiophene)-Based Glucose Biosensors 2001 , 13, 1555		1
22	Silver Nanoarrays Templated by Block Copolymers of Carbosilane Dendrimers and Polyisocyanopeptides 2002 , 14, 489		1
21	Paramagnetic relaxation enhancement NMR as a tool to probe guest binding and exchange in metallohosts.. <i>Nature Communications</i> , 2022 , 13, 1846	17.4	1
20	Stabilization of thermally unstable photoisomers of pyridinium-functionalized hemithioindigo switches by host-guest complexation. <i>Tetrahedron</i> , 2021 , 132499	2.4	0
19	Clipping an Angel's Wings 2016 , 261-287		
18	Bio-Inspired Polymer Chemistry. Tuning the Structure and Properties of Self-Assembled Polymers by Solvent Interactions. <i>Macromolecular Symposia</i> , 2016 , 369, 97-100	0.8	
17	Chromophoric Polyisocyanide Materials 2014 , 135-154		

- 16 Processive Rotaxane Catalysts **2012**, 183-193
- 15 A Toroidal Oxidation Catalyst **2010**, 225-230
- 14 Poly(Iminomethylenes) with Coronand Side Chains. A Model of a Molecular Channel for Metal Ion Transport. *Bulletin Des Sociétés Chimiques Belges*, **2010**, 91, 484-484
- 13 Enantioselectivity in the hydrolysis of esters catalyzed by polyelectrolyte surfactant complexes. *Recueil Des Travaux Chimiques Des Pays-Bas*, **2010**, 102, 419-420
- 12 Glycoluril-Based Hosts **2004**, 597-605
- 11 Cumulative Title Index. *Topics in Stereochemistry*, **2004**, 601-607
- 10 Cover Picture: Single-Enzyme Kinetics of CALB-Catalyzed Hydrolysis (Angew. Chem. Int. Ed. 4/2005). *Angewandte Chemie - International Edition*, **2005**, 44, 495-495 16.4
- 9 Comments on Living Polymerization: Rationale for Uniform Terminology by Darling et al. **2000**, 38, 1741-1741
- 8 Supramolecular photochemistry and photophysics. Adducts of Pt(bpy)(NH₃)₂²⁺ with basket-shaped hosts. *Supramolecular Chemistry*, **1995**, 4, 309-313 1.8
- 7 Design and synthesis of macromolecular structures from self-assembling building blocks. *Macromolecular Symposia*, **1995**, 98, 483-490 0.8
- 6 Polymerized Discotic Liquid Crystals **1990**, 215-219
- 5 Design and Synthesis of Model Systems for Dioxygen Binding and Activation in Dinuclear Copper Proteins **1993**, 374-381
- 4 Supramolecular Models of Metallo-Proteins **1994**, 291-307
- 3 Molecular Assembly and Molecular Recognition **1995**, 223-242
- 2 Cyclodextrins as Receptors on Surface Acoustic Wave Devices **1998**, 219-222
- 1 Supramolecular Catalysis by Metallohosts Based on Glycoluril **2022**, 303-319