

# Alan E Rowan

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7529463/alan-e-rowan-publications-by-year.pdf>

**Version:** 2024-04-10

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.

306 papers	17,443 citations	67 h-index	122 g-index
328 ext. papers	18,686 ext. citations	9.5 avg, IF	6.45 L-index

#	Paper	IF	Citations
306	Chitosan Gel Modified Mesoporous Gold Chronocoulometric Sensor for Ultrasensitive Detection of MicroRNA. <i>Bulletin of the Chemical Society of Japan</i> , <b>2022</b> , 95, 198-207	5.1	3
305	Effect of low aspect ratio one-dimensional nanoparticles on properties of photocrosslinked alginate nanocomposite hydrogels.. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 204, 635-643	7.9	2
304	Synthesis and Magnetic Properties of Two-Step-Coordination Schiff Base Clusters. <i>European Journal of Inorganic Chemistry</i> , <b>2021</b> , 2021, 2611-2617	2.3	0
303	Tunable Hybrid Matrices Drive Epithelial Morphogenesis and YAP Translocation. <i>Advanced Science</i> , <b>2021</b> , 8, 2003380	13.6	5
302	In Search of Excellence: Convex versus Concave Noble Metal Nanostructures for Electrocatalytic Applications. <i>Advanced Materials</i> , <b>2021</b> , 33, e2004554	24	12
301	Heterodyne Brillouin microscopy for biomechanical imaging. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 6259-6268	3.5	0
300	Tailored nanocellulose-grafted polymer brush applications. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 17173-17188	13	5
299	The Mechanosensory Role of Osteocytes and Implications for Bone Health and Disease States.. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 770143	5.7	0
298	Modeling the Impact of Microgravity at the Cellular Level: Implications for Human Disease. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 96	5.7	28
297	Magnetic nanocellulose: A potential material for removal of dye from water. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 394, 122571	12.8	39
296	Double Porphyrin Cage Compounds. <i>European Journal of Organic Chemistry</i> , <b>2020</b> , 2020, 7087-7100	3.2	1
295	Biomimetic Networks with Enhanced Photodynamic Antimicrobial Activity from Conjugated Polythiophene/Polyisocyanide Hybrid Hydrogels. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 2720-2724	16.4	35
294	Biomimetic Networks with Enhanced Photodynamic Antimicrobial Activity from Conjugated Polythiophene/Polyisocyanide Hybrid Hydrogels. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 2742-2746	3.6	4
293	Organothiol Monolayer Formation Directly on Muscovite Mica. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 2343-2347	16.4	1
292	Organothiol Monolayer Formation Directly on Muscovite Mica. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 2323-2327	16.4	4
291	Electrochemical Synthesis of Mesoporous Architected Ru Films Using Supramolecular Templates. <i>Small</i> , <b>2020</b> , 16, e2002489	11	2
290	Polyisocyanide Hydrogels as a Tunable Platform for Mammary Gland Organoid Formation. <i>Advanced Science</i> , <b>2020</b> , 7, 2001797	13.6	18

289	Structural Insights into the Mechanism of Heat-Set Gel Formation of Polyisocyanopeptide Polymers. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e2000304	4.8	2
288	A universal approach for the synthesis of mesoporous gold, palladium and platinum films for applications in electrocatalysis. <i>Nature Protocols</i> , <b>2020</b> , 15, 2980-3008	18.8	19
287	Epitaxial Crystallization of Insulin on an Ordered 2D Polymer Template. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 3756-3760	4.8	2
286	Synthetic Semiflexible and Bioactive Brushes. <i>Biomacromolecules</i> , <b>2019</b> , 20, 2587-2597	6.9	8
285	A Portable and Efficient Solar-Rechargeable Battery with Ultrafast Photo-Charge/Discharge Rate. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900872	21.8	35
284	Monitoring In-labelled polyisocyanopeptide (PIC) hydrogel wound dressings in full-thickness wounds. <i>Biomaterials Science</i> , <b>2019</b> , 7, 3041-3050	7.4	15
283	Cytoskeletal stiffening in synthetic hydrogels. <i>Nature Communications</i> , <b>2019</b> , 10, 609	17.4	43
282	Simple chemistry drives controlled synthesis of platinum nanocrystal to micron size. <i>Journal of Nanostructure in Chemistry</i> , <b>2019</b> , 9, 197-202	7.6	3
281	Synthetic Extracellular Matrices with Nonlinear Elasticity Regulate Cellular Organization. <i>Biomacromolecules</i> , <b>2019</b> , 20, 826-834	6.9	43
280	Surfaces with Controllable Topography and Chemistry Used as a Template for Protein Crystallization. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 763-769	3.5	4
279	Deciphering Design Principles of Förster Resonance Energy Transfer-Based Protease Substrates: Thermolysin-Like Protease from as a Test Case. <i>ACS Omega</i> , <b>2018</b> , 3, 4148-4156	3.9	4
278	Polyisocyanopeptide hydrogels: A novel thermo-responsive hydrogel supporting pre-vascularization and the development of organotypic structures. <i>Acta Biomaterialia</i> , <b>2018</b> , 70, 129-139	10.8	37
277	Virus-like particles as crosslinkers in fibrous biomimetic hydrogels: approaches towards capsid rupture and gel repair. <i>Soft Matter</i> , <b>2018</b> , 14, 1442-1448	3.6	5
276	Thermosensitive biomimetic polyisocyanopeptide hydrogels may facilitate wound repair. <i>Biomaterials</i> , <b>2018</b> , 181, 392-401	15.6	52
275	3D Printing of Thermo-responsive Polyisocyanide (PIC) Hydrogels as Bioink and Fugitive Material for Tissue Engineering. <i>Polymers</i> , <b>2018</b> , 10,	4.5	28
274	Tunable properties based on regioselectivity of 1,2,3-triazole units in axially chiral 2,2'-linked 1,1'-binaphthyl-based copolymers for ions and acid responsiveness. <i>European Polymer Journal</i> , <b>2018</b> , 108, 191-198	5.2	1
273	Cytokine-Functionalized Synthetic Dendritic Cells for T Cell Targeted Immunotherapies. <i>Advanced Therapeutics</i> , <b>2018</b> , 1, 1800021	4.9	16
272	Crosslinking of fibrous hydrogels. <i>Nature Communications</i> , <b>2018</b> , 9, 2172	17.4	47

- 271 Self-assembly of porphyrin hexamers via bidentate metal-ligand coordination. *Dalton Transactions*, **2018**, 47, 14277-14287 4.3 3
- 270 Strong optical nonlinearities of self-assembled polymorphic microstructures of phenylethynyl functionalized fluorenones. *Chinese Chemical Letters*, **2018**, 29, 297-300 8.1 20
- 269 Controlling the gelation temperature of biomimetic polyisocyanides. *Chinese Chemical Letters*, **2018**, 29, 281-284 8.1 16
- 268 Injectable Biomimetic Hydrogels as Tools for Efficient T Cell Expansion and Delivery. *Frontiers in Immunology*, **2018**, 9, 2798 8.4 39
- 267 Materials Nanoarchitectonics Using 2D Layered Materials: Recent Developments in the Intercalation Process. *Small*, **2018**, 14, e1800551 11 32
- 266 Catalytic single-chain polymeric nanoparticles at work: from ensemble towards single-particle kinetics. *Molecular Systems Design and Engineering*, **2018**, 3, 609-618 4.6 18
- 265 Confining Potential as a Function of Polymer Stiffness and Concentration in Entangled Polymer Solutions. *Journal of Physical Chemistry B*, **2017**, 121, 5613-5620 3.4 6
- 264 Carbenoid transfer reactions catalyzed by a ruthenium porphyrin macrocycle. *Tetrahedron*, **2017**, 73, 5029-5037 2.4 15
- 263 Nonlinear mechanics of hybrid polymer networks that mimic the complex mechanical environment of cells. *Nature Communications*, **2017**, 8, 15478 17.4 52
- 262 Controlling T-Cell Activation with Synthetic Dendritic Cells Using the Multivalency Effect. *ACS Omega*, **2017**, 2, 937-945 3.9 30
- 261 Noble metal surface degradation induced by organothiols. *Surface Science*, **2017**, 662, 59-66 1.8 3
- 260 Affinity-Based Purification of Polyisocyanopeptide Bioconjugates. *Bioconjugate Chemistry*, **2017**, 28, 2560-2568 6.3 6
- 259 Biomimetic Stress Sensitive Hydrogel Controlled by DNA Nanoswitches. *Biomacromolecules*, **2017**, 18, 3310-3317 6.9 19
- 258 Muscovite mica as a growth template of PC61BM crystallites for organic photovoltaics. *CrystEngComm*, **2017**, 19, 4424-4436 3.3 3
- 257 Metal ion-exchange on the muscovite mica surface. *Surface Science*, **2017**, 665, 56-61 1.8 24
- 256 Strategies To Increase the Thermal Stability of Truly Biomimetic Hydrogels: Combining Hydrophobicity and Directed Hydrogen Bonding. *Macromolecules*, **2017**, 50, 9058-9065 5.5 28
- 255 1H-1,2,3-Triazole: From Structure to Function and Catalysis. *Journal of Heterocyclic Chemistry*, **2017**, 54, 1677-1699 1.9 23
- 254 Clipping an Angel's Wings **2016**, 261-287

253	DNA-Responsive Polyisocyanopeptide Hydrogels with Stress-Stiffening Capacity. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 9075-9082	15.6	32
252	Conformational Analysis and Binding Properties of a Cavity Containing Porphyrin Catalyst Provided with Urea Functions. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 4487-4495	3.2	7
251	Bio-Inspired Polymer Chemistry. Tuning the Structure and Properties of Self-Assembled Polymers by Solvent Interactions. <i>Macromolecular Symposia</i> , <b>2016</b> , 369, 97-100	0.8	
250	Order at Extreme Dilution. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 9009-9016	15.6	3
249	Critical behaviour in the nonlinear elastic response of hydrogels. <i>Soft Matter</i> , <b>2016</b> , 12, 6995-7004	3.6	6
248	Bundle Formation in Biomimetic Hydrogels. <i>Biomacromolecules</i> , <b>2016</b> , 17, 2642-9	6.9	41
247	High-Efficiency Second-Harmonic Generation from Hybrid Light-Matter States. <i>Nano Letters</i> , <b>2016</b> , 16, 7352-7356	11.5	68
246	Fibrin-fiber architecture influences cell spreading and differentiation. <i>Cell Adhesion and Migration</i> , <b>2016</b> , 10, 495-504	3.2	25
245	Nanoscale Study of Polymer Dynamics. <i>ACS Nano</i> , <b>2016</b> , 10, 1434-41	16.7	25
244	Stress-stiffening-mediated stem-cell commitment switch in soft responsive hydrogels. <i>Nature Materials</i> , <b>2016</b> , 15, 318-25	27	254
243	Electric field generation of Skyrmion-like structures in a nematic liquid crystal. <i>Soft Matter</i> , <b>2016</b> , 12, 853-8	3.6	11
242	Solid-state NMR characterization of tri-ethyleneglycol grafted polyisocyanopeptides. <i>Magnetic Resonance in Chemistry</i> , <b>2016</b> , 54, 328-33	2.1	2
241	Aggregation Induced Enhancement of Linear and Nonlinear Optical Emission from a Hexaphenylene Derivative. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 8968-8977	15.6	56
240	Extended $\pi$ -conjugated ruthenium zinc-porphyrin complexes with enhanced nonlinear-optical properties. <i>Chemical Communications</i> , <b>2015</b> , 51, 2855-8	5.8	47
239	Allosterically controlled threading of polymers through macrocyclic dimers. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 3915-23	16.4	32
238	Er(3+)/Yb(3+) upconverters for InGaP solar cells under concentrated broadband illumination. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 11234-43	3.6	18
237	The mechanical microenvironment in cancer: How physics affects tumours. <i>Seminars in Cancer Biology</i> , <b>2015</b> , 35, 62-70	12.7	79
236	Interfacial Activation of <i>Candida antarctica</i> Lipase B: Combined Evidence from Experiment and Simulation. <i>Biochemistry</i> , <b>2015</b> , 54, 5969-79	3.2	79

235	Molecular computing: paths to chemical Turing machines. <i>Chemical Science</i> , <b>2015</b> , 6, 6050-6058	9.4	28
234	Slippage of a porphyrin macrocycle over threads of varying bulkiness: implications for the mechanism of threading polymers through a macrocyclic ring. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 360-70	4.8	18
233	Polymer-based synthetic dendritic cells for tailoring robust and multifunctional T cell responses. <i>ACS Chemical Biology</i> , <b>2015</b> , 10, 485-92	4.9	29
232	Organized chromophoric assemblies for nonlinear optical materials: towards (sub)wavelength scale architectures. <i>Small</i> , <b>2015</b> , 11, 1113-29	11	50
231	Tuning Hydrogel Mechanics Using the Hofmeister Effect. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 6503-6510	6.1	68
230	A Double-Cavity-Containing Porphyrin Host as a Highly Stable Epoxidation Catalyst. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 5246-5253	3.2	14
229	Controlling Microsized Polymorphic Architectures with Distinct Linear and Nonlinear Optical Properties. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 948-956	8.1	34
228	Muscovite mica: Flatter than a pancake. <i>Surface Science</i> , <b>2014</b> , 619, 19-24	1.8	50
227	Dibenzo crown ether layer formation on muscovite mica. <i>Langmuir</i> , <b>2014</b> , 30, 12570-7	4	8
226	Processive catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 11420-8	16.4	49
225	Chromophoric Polyisocyanide Materials <b>2014</b> , 135-154		
224	Strong induced-fit binding of viologen and pyridine derivatives in adjustable porphyrin cavities. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 11574-83	4.8	15
223	Single-enzyme kinetics with fluorogenic substrates: lessons learnt and future directions. <i>FEBS Letters</i> , <b>2014</b> , 588, 3553-63	3.8	11
222	Designing processive catalytic systems. Threading polymers through a flexible macrocycle ring. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 9165-72	16.4	31
221	Thermodynamics and kinetics of guest-induced switching between "basket handle" porphyrin isomers. <i>Molecules</i> , <b>2014</b> , 19, 5278-300	4.8	5
220	Ultra-responsive soft matter from strain-stiffening hydrogels. <i>Nature Communications</i> , <b>2014</b> , 5, 5808	17.4	140
219	Solution scattering studies of the hierarchical assembly of porphyrin trimers based on benzene triscarboxamide. <i>Soft Matter</i> , <b>2014</b> , 10, 9688-94	3.6	3
218	Prozessive Katalyse. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 11604-11612	3.6	7

217	Functional interlocked systems. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 99-122	58.5	234
216	Therapeutic nanoworms: towards novel synthetic dendritic cells for immunotherapy. <i>Chemical Science</i> , <b>2013</b> , 4, 4168	9.4	69
215	Preparation and characterization of non-linear poly(ethylene glycol) analogs from oligo(ethylene glycol) functionalized polyisocyanopeptides. <i>European Polymer Journal</i> , <b>2013</b> , 49, 1510-1522	5.2	28
214	Stiffness versus architecture of single helical polyisocyanopeptides. <i>Chemical Science</i> , <b>2013</b> , 4, 2357	9.4	24
213	Photocatalytic oxidation of stilbene by self-assembled stacks of manganese porphyrins. <i>Chemical Communications</i> , <b>2013</b> , 49, 10787-9	5.8	17
212	Responsive biomimetic networks from polyisocyanopeptide hydrogels. <i>Nature</i> , <b>2013</b> , 493, 651-5	50.4	346
211	Sub-millisecond nematic liquid crystal switches using patterned command layer. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 014503	2.5	7
210	Interlocked porphyrin switches. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 7758-70	4.8	27
209	Detection of different oxidation states of individual manganese porphyrins during their reaction with oxygen at a solid/liquid interface. <i>Nature Chemistry</i> , <b>2013</b> , 5, 621-7	17.6	97
208	A clamp-like biohybrid catalyst for DNA oxidation. <i>Nature Chemistry</i> , <b>2013</b> , 5, 945-51	17.6	58
207	Uncorrelated dynamical processes in tetranuclear carboxylate clusters studied by variable-temperature <sup>1</sup> H NMR spectroscopy. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 13004-13	5.1	9
206	Oligonucleotide tagging for copper-free click conjugation. <i>Molecules</i> , <b>2013</b> , 18, 7346-63	4.8	25
205	Templated hierarchical self-assembly of poly(p-aryltriazole) foldamers. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 11040-4	16.4	29
204	Self-assembled organic microfibers for nonlinear optics. <i>Advanced Materials</i> , <b>2013</b> , 25, 2084-9	24	98
203	Beta sheets with a twist: the conformation of helical polyisocyanopeptides determined by using vibrational circular dichroism. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 13168-74	4.8	15
202	Templated Hierarchical Self-Assembly of Poly(p-aryltriazole) Foldamers. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 11246-11250	3.6	8
201	Solvent-dependent amplification of chirality in assemblies of porphyrin trimers based on benzene tricarboxamide. <i>Chemical Communications</i> , <b>2012</b> , 48, 4371-3	5.8	24
200	Direct Backbone Structure Determination of Polyisocyanodipeptide Using Solid-State Nuclear Magnetic Resonance. <i>Macromolecules</i> , <b>2012</b> , 45, 2209-2218	5.5	12



199	Monolayer and aggregate formation of a modified phthalocyanine on mica determined by a delicate balance of surface interactions. <i>Surface Science</i> , <b>2012</b> , 606, 830-835	1.8	10
198	Polyisocyanides <b>2012</b> , 551-585		2
197	Dynamic disorder in single-enzyme experiments: facts and artifacts. <i>ACS Nano</i> , <b>2012</b> , 6, 346-54	16.7	50
196	Processive Rotaxane Catalysts <b>2012</b> , 183-193		
195	79 Ordered Surface Structures of Self-Assembled Porphyrins. <i>Handbook of Porphyrin Science</i> , <b>2012</b> , 1-56	0.3	1
194	Construction of phthalocyanine-terminated polystyrene nanoarchitectures. <i>Journal of Physical Organic Chemistry</i> , <b>2012</b> , 25, 586-591	2.1	8
193	Postfunctionalization of Helical Polyisocyanopeptides with Phthalocyanine Chromophores by Click Chemistry <i>ChemPlusChem</i> , <b>2012</b> , 77, 700-706	2.8	12
192	Carbazole functionalized isocyanide brushes in heterojunction photovoltaic devices. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 503-7	1.3	2
191	The trisubstituted-triazole approach to extended functional naphthalocyanines. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2011</b> , 15, 898-907	1.8	4
190	Helical poly(isocyanides): past, present and future. <i>Polymer Chemistry</i> , <b>2011</b> , 2, 33-47	4.9	194
189	Assemblies of perylene diimide derivatives with melamine into luminescent hydrogels. <i>Chemical Communications</i> , <b>2011</b> , 47, 11858-60	5.8	68
188	Sequential energy and electron transfer in polyisocyanopeptide-based multichromophoric arrays. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 1590-600	3.4	16
187	Hydrogen bonding and chemical shift assignments in carbazole functionalized isocyanides from solid-state NMR and first-principles calculations. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 13082-95	3.6	24
186	Triazole: a unique building block for the construction of functional materials. <i>Chemical Communications</i> , <b>2011</b> , 47, 8740-9	5.8	135
185	2. The Multiple Phenyl Embrace as a Synthon in Cu(I)/PPh <sub>3</sub> /N-Donor Ligand Coordination Polymers. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 4326-4333	3.5	17
184	Fusing triazoles: toward extending aromaticity. <i>Organic Letters</i> , <b>2011</b> , 13, 3494-7	6.2	36
183	Interlaboratory round robin on cantilever calibration for AFM force spectroscopy. <i>Ultramicroscopy</i> , <b>2011</b> , 111, 1659-69	3.1	93
182	Triazole-pyridine ligands: a novel approach to chromophoric iridium arrays. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 2104-2111		41



181	Catalytic capsids: the art of confinement. <i>Chemical Science</i> , <b>2011</b> , 2, 358-362	9.4	128
180	Controlled templating of porphyrins by a molecular command layer. <i>Langmuir</i> , <b>2011</b> , 27, 2644-51	4	20
179	1. Solvent, Linker, and Anion Effects on the Formation, Connectivity, and Topology of Cu(I)/PPh <sub>3</sub> /N-Donor Ligand Coordination Polymers. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 4313-4325	3.5	29
178	Self-assembly of porphyrins on a single crystalline organic substrate. <i>Langmuir</i> , <b>2010</b> , 26, 498-503	4	8
177	Synthesis, Characterization, and Surface Initiated Polymerization of Carbazole Functionalized Isocyanides. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 2597-2607	9.6	26
176	Direct Access to Polyisocyanide Screw Sense Using Vibrational Circular Dichroism. <i>Macromolecules</i> , <b>2010</b> , 43, 7931-7935	5.5	35
175	Macromolecular multi-chromophoric scaffolding. <i>Chemical Society Reviews</i> , <b>2010</b> , 39, 1576-99	58.5	105
174	Single-biomolecule kinetics: the art of studying a single enzyme. <i>Annual Review of Analytical Chemistry</i> , <b>2010</b> , 3, 319-40	12.5	40
173	Porphyrin macrocyclic catalysts for the processive oxidation of polymer substrates. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 1529-31	16.4	80
172	A hydrogel-based enzyme-loaded polymersome reactor. <i>Nanoscale</i> , <b>2010</b> , 2, 709-16	7.7	29
171	A Toroidal Oxidation Catalyst <b>2010</b> , 225-230		
170	Compartmentalized multistable liquid crystal alignment. <i>Advanced Materials</i> , <b>2010</b> , 22, 961-5	24	14
169	Cysteine-containing polyisocyanides as versatile nanoplatfoms for chromophoric and bioscaffolding. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 6176-86	4.8	21
168	Multichromophoric phthalocyanine-(perylene)diimide(8) molecules: a photophysical study. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 10021-9	4.8	22
167	Molecular recognition and self-assembly special feature: Squaring cooperative binding circles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 10471-6	11.5	32
166	Adsorption and conformation of porphyrins on metallic surfaces. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2009</b> , 27, 799		21
165	STM studies of the self-assembly of manganese porphyrin catalysts at the Au(111)/tetradecane interface. <i>New Journal of Physics</i> , <b>2009</b> , 11, 083011	2.9	4
164	Vibrational self-trapping in beta-sheet structures observed with femtosecond nonlinear infrared spectroscopy. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 124503	3.9	17

163	Dynamics of molecular self-ordering in tetraphenyl porphyrin monolayers on metallic substrates. <i>Nanotechnology</i> , <b>2009</b> , 20, 275602	3.4	72
162	"Helter-skelter-like" perylene polyisocyanopeptides. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 2536-47	4.8	62
161	Water soluble azido polyisocyanopeptides as functional $\beta$ -sheet mimics. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 4150-4164	2.5	12
160	The relationship between nanoscale architecture and charge transport in conjugated nanocrystals bridged by multichromophoric Polymers. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 7055-63	16.4	50
159	Electron Transport through CO Studied by Gold Break-Junctions in Nonpolar Liquids. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 15412-15416	3.8	8
158	Improved Performance of Perylene-Based Photovoltaic Cells Using Polyisocyanopeptide Arrays. <i>Macromolecules</i> , <b>2009</b> , 42, 2023-2030	5.5	74
157	A novel modular approach to triazole-functionalized phthalocyanines using click chemistry. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 21-5	4.2	77
156	Ligand-controlled magnetic interactions in Mn(4) clusters. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 11903-8	5.1	24
155	Self-assembly of corrole trimers in solution and at the solid-liquid interface. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 66-69		17
154	Synergy between chemo- and bio-catalysts in multi-step transformations. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 2926-32	3.9	17
153	Influence of $\pi$ -stacking on the self-assembly and coiling of multi-chromophoric polymers based on perylenebis(dicarboximides): an AFM study. <i>Soft Matter</i> , <b>2009</b> , 5, 4680	3.6	8
152	Self-trapped vibrational states in synthetic beta-sheet helices. <i>Chemical Communications</i> , <b>2009</b> , 4675-7	5.8	7
151	Biocatalytic oxidation by chloroperoxidase from <i>Caldariomyces fumago</i> in polymersome nanoreactors. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 4604-10	3.9	31
150	Post-modification of helical dipeptido polyisocyanides using the click reaction. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 5615		43
149	Supramolecular porphyrin polymers in solution and at the solid-liquid interface. <i>Nano Letters</i> , <b>2008</b> , 8, 253-9	11.5	83
148	Tuning the properties of PS-block copolymers and their assembly into polymersomes. <i>Soft Matter</i> , <b>2008</b> , 4, 1003-1010	3.6	14
147	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> , <b>2008</b> , 130, 14605-14	16.4	80
146	Enzymes containing porous polymersomes as nano reaction vessels for cascade reactions. <i>Organic and Biomolecular Chemistry</i> , <b>2008</b> , 6, 4315-8	3.9	112

145	Synthesis and Characterization of Surface-Initiated Helical Polyisocyanopeptide Brushes. <i>Macromolecules</i> , <b>2008</b> , 41, 1945-1951	5.5	25
144	Uniform N-(2-Aminoethyl)(3-aminopropyl)trimethoxysilane Monolayer Growth in Water. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 20105-20108	3.8	12
143	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> , <b>2008</b> , 105, 3250-5	11.5	67
142	A polymeric molecular "handle" for multiple AFM-based single-molecule force measurements. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 2431-4	16.4	29
141	Electronic Transport Properties of Ensembles of Perylene-Substituted Poly-isocyanopeptide Arrays. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 3947-3955	15.6	68
140	Construction of supramolecular multi-component assemblies by using allosteric interactions. <i>Tetrahedron</i> , <b>2008</b> , 64, 8535-8542	2.4	12
139	Mechanism of threading a polymer through a macrocyclic ring. <i>Science</i> , <b>2008</b> , 322, 1668-71	33.3	92
138	Synthesis, characterisation and chiroptical properties of clickable polyisocyanopeptides. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 1876-1884		35
137	Processive rotaxane systems. Studies on the mechanism and control of the threading process. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 5699-702	16.4	40
136	Polyisocyanides derived from tripeptides of alanine. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 950-60	4.8	35
135	Giant porphyrin disks: control of their self-assembly at liquid-solid interfaces through metal-ligand interactions. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 7948-56	4.8	31
134	Positional assembly of enzymes in polymersome nanoreactors for cascade reactions. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 7378-82	16.4	346
133	Manganese Porphyrin Hosts as Epoxidation Catalysts [Activity and Stability Control by Axial Ligand Effects. <i>European Journal of Organic Chemistry</i> , <b>2007</b> , 2007, 751-757	3.2	49
132	X-ray spectroscopic and diffraction study of the structure of the active species in the Ni(II)-catalyzed polymerization of isocyanides. <i>ChemPhysChem</i> , <b>2007</b> , 8, 1850-6	3.2	14
131	From (bio)Molecules to Biohybrid Materials with the Click Chemistry Approach. <i>QSAR and Combinatorial Science</i> , <b>2007</b> , 26, 1200-1210		59
130	Lyotropic liquid-crystalline behavior of polyisocyanodipeptides. <i>Journal of Polymer Science Part A</i> , <b>2007</b> , 45, 981-988	2.5	15
129	Supramolecular command surfaces for liquid crystal alignment. <i>Polymer International</i> , <b>2007</b> , 56, 1186-1193	3.1	20
128	Real-time single-molecule imaging of oxidation catalysis at a liquid-solid interface. <i>Nature Nanotechnology</i> , <b>2007</b> , 2, 285-9	28.7	167

127	A virus-based single-enzyme nanoreactor. <i>Nature Nanotechnology</i> , <b>2007</b> , 2, 635-9	28.7	350
126	A virus-based biocatalyst. <i>Nature Nanotechnology</i> , <b>2007</b> , 2, 226-9	28.7	104
125	The development of self-assembled liquid crystal display alignment layers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2007</b> , 365, 1553-76	3	15
124	Synthesis, characterization, and folding behavior of beta-amino acid derived polyisocyanides. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 2778-86	4.8	26
123	Molecular Materials by Self-Assembly of Porphyrins, Phthalocyanines, and Perylenes. <i>Advanced Materials</i> , <b>2006</b> , 18, 1251-1266	24	604
122	Towards Complex Functions from Complex Materials. <i>Advanced Materials</i> , <b>2006</b> , 18, 1235-1238	24	12
121	Scanning Tunneling Microscopy and Spectroscopy Studies of Porphyrins at Solid-Liquid Interfaces. <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, 1953-1955	1.4	19
120	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> , <b>2006</b> , 103, 19647-51	11.5	60
119	Bionanoconjugation via click chemistry: The creation of functional hybrids of lipases and gold nanoparticles. <i>Bioconjugate Chemistry</i> , <b>2006</b> , 17, 1373-5	6.3	223
118	Macroscopic hierarchical surface patterning of porphyrin trimers via self-assembly and dewetting. <i>Science</i> , <b>2006</b> , 314, 1433-6	33.3	287
117	LCD-based detection of enzymatic action. <i>Chemical Communications</i> , <b>2006</b> , 434-5	5.8	29
116	Do enzymes sleep and work?. <i>Chemical Communications</i> , <b>2006</b> , 935-40	5.8	57
115	Self-assembly studies of allosteric photosynthetic antenna model systems. <i>New Journal of Chemistry</i> , <b>2006</b> , 30, 148-155	3.6	9
114	LCD alignment layers. Controlling nematic domain properties. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 1305-1314		97
113	Synthesis and characterization of long perylenediimide polymer fibers: from bulk to the single-molecule level. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 7803-12	3.4	51
112	Rhodium-mediated stereoselective polymerization of "carbenes". <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 9746-52	16.4	113
111	Synthesis and single enzyme activity of a clicked lipase-BSA hetero-dimer. <i>Chemical Communications</i> , <b>2006</b> , 2012-4	5.8	63
110	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> , <b>2006</b> , 432, 371-374	2.5	8

109	Chiral molecular tapes from novel tetra(thiafulvalene-crown-ether)-substituted phthalocyanine building blocks. <i>Chemical Communications</i> , <b>2005</b> , 1255-7	5.8	106
108	Dynamic combinatorial olefin metathesis: templated synthesis of porphyrin boxes. <i>Chemical Communications</i> , <b>2005</b> , 3535-7	5.8	42
107	SFM Characterization of Poly(isocyanodipeptide) Single Polymer Chains in Controlled Environments: Effect of Tip Adhesion and Chain Swelling. <i>Macromolecules</i> , <b>2005</b> , 38, 473-480	5.5	48
106	Self-assembled nanoreactors. <i>Chemical Reviews</i> , <b>2005</b> , 105, 1445-89	68.1	1300
105	Templated self-assembly of porphyrin cages. <i>Israel Journal of Chemistry</i> , <b>2005</b> , 45, 271-279	3.4	4
104	Preparation of biohybrid amphiphiles via the copper catalysed Huisgen [3 + 2] dipolar cycloaddition reaction. <i>Chemical Communications</i> , <b>2005</b> , 4172-4	5.8	186
103	Construction of functional porphyrin polystyrene nano-architectures by ATRP. <i>Chemical Communications</i> , <b>2005</b> , 60-2	5.8	23
102	Divalent ligand for intramolecular complex formation to streptavidin. <i>Organic and Biomolecular Chemistry</i> , <b>2005</b> , 3, 2393-5	3.9	9
101	Tunable command layers for liquid crystal alignment. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 11047-52	16.4	67
100	Single-enzyme kinetics of CALB-catalyzed hydrolysis. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 560-4	16.4	160
99	Acid-initiated stereospecific polymerization of isocyanopeptides. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 1990-3	16.4	33
98	Cover Picture: Single-Enzyme Kinetics of CALB-Catalyzed Hydrolysis (Angew. Chem. Int. Ed. 4/2005). <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 495-495	16.4	
97	Single-Enzyme Kinetics of CALB-Catalyzed Hydrolysis. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 566-570	3.6	23
96	Acid-Initiated Stereospecific Polymerization of Isocyanopeptides. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 2026-2029	3.6	11
95	Titelbild: Single-Enzyme Kinetics of CALB-Catalyzed Hydrolysis (Angew. Chem. 4/2005). <i>Angewandte Chemie</i> , <b>2005</b> , 117, 499-499	3.6	
94	Self-Organization of Semiconducting Polysiloxane-Phthalocyanine on a Graphite Surface. <i>Advanced Materials</i> , <b>2005</b> , 17, 1265-1268	24	36
93	Self-Assembled Nanoreactors. <i>ChemInform</i> , <b>2005</b> , 36, no		4
92	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> , <b>2005</b> , 102, 2368-72	11.5	256

91 Glycoluril-Based Hosts **2004**, 597-605

90	Enantioselective binding of amino acids and amino alcohols by self-assembled chiral basket-shaped receptors. <i>Tetrahedron</i> , <b>2004</b> , 60, 291-300	2.4	45
89	Investigation of perylene photonic wires by combined single-molecule fluorescence and atomic force microscopy. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 4045-9	16.4	105
88	Allosterically driven multicomponent assembly. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 4755-9	16.4	54
87	Investigation of Perylene Photonic Wires by Combined Single-Molecule Fluorescence and Atomic Force Microscopy. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 4137-4141	3.6	22
86	Allosterically Driven Multicomponent Assembly. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 4859-4863	3.6	11
85	Alignment of extremely long single polymer chains by exploiting hydrodynamic flow. <i>ChemPhysChem</i> , <b>2004</b> , 5, 128-30	3.2	16
84	Aided self-assembly of porphyrin nanoaggregates into ring-shaped architectures. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 831-9	4.8	73
83	Synthesis and self-assembly of giant porphyrin discs. <i>Chemical Communications</i> , <b>2004</b> , 762-3	5.8	38
82	Polarized Absorption and Emission of Ordered Self-Assembled Porphyrin Rings. <i>Nano Letters</i> , <b>2004</b> , 4, 1401-1406	11.5	51
81	Electroformed Giant Vesicles from Thiophene-Containing Rod-Coil Diblock Copolymers. <i>Macromolecules</i> , <b>2004</b> , 37, 4736-4739	5.5	62
80	Mimicking the Motion of Life: Catalytically Active Rotaxanes as Processive Enzyme Mimics. <i>Australian Journal of Chemistry</i> , <b>2004</b> , 57, 323	1.2	19
79	Hierarchical self-assembly of a host-guest porphyrin array. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2003</b> , 07, 249-254	1.8	4
78	Self-Assembly of Chiral Phthalocyanines and Chiral Crown Ether Phthalocyanines <b>2003</b> , 281-301		14
77	Scanning Probe Studies of Porphyrin Assemblies and Their Supramolecular Manipulation at a Solid-Liquid Interface. <i>Advanced Materials</i> , <b>2003</b> , 15, 2070-2073	24	69
76	Synthesis of Porphyrin-Containing [3]Rotaxanes by Olefin Metathesis. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 674-678	3.6	13
75	Titelbild: Vesicles and Polymerized Vesicles from Thiophene-Containing Rod-Coil Block Copolymers (Angew. Chem. 7/2003). <i>Angewandte Chemie</i> , <b>2003</b> , 115, 727-727	3.6	1
74	Vesicles and Polymerized Vesicles from Thiophene-Containing Rod-Coil Block Copolymers. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 796-800	3.6	57



73	Helical polymer-anchored porphyrin nanorods. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 1775-81	4.8	97
72	Noncontact liquid-crystal alignment by supramolecular amplification of nanogrooves. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 1812-5	16.4	25
71	Synthesis of porphyrin-containing [3]rotaxanes by olefin metathesis. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 650-4	16.4	59
70	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> , <b>2003</b> , 42, 703-703	16.4	2
69	Vesicles and polymerized vesicles from thiophene-containing rod-coil block copolymers. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 772-6	16.4	292
68	Self-association and self-assembly of molecular clips in solution and in the solid state. <i>Tetrahedron</i> , <b>2003</b> , 59, 175-185	2.4	46
67	Conformational analysis of dipeptide-derived polyisocyanides. <i>Journal of Polymer Science Part A</i> , <b>2003</b> , 41, 1725-1736	2.5	41
66	Epoxidation of polybutadiene by a topologically linked catalyst. <i>Nature</i> , <b>2003</b> , 424, 915-8	50.4	343
65	Novel alignment technique for LCD-biosensors. <i>Chemical Communications</i> , <b>2003</b> , 2856-7	5.8	13
64	Mastering molecular matter. Supramolecular architectures by hierarchical self-assembly. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 2661-2670		422
63	Highly negative homotropic allosteric binding of viologens in a double-cavity porphyrin. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 1186-7	16.4	70
62	Synthesis and hierarchical self-assembly of cavity-containing facial amphiphiles. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 9040-9	4.2	20
61	Donor-acceptor phthalocyanine nanoaggregates. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 12300-8	16.4	154
60	Transfection mediated by gemini surfactants: engineered escape from the endosomal compartment. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 1551-8	16.4	210
59	Synthesis and physical properties of a porphyrin cavity based on glycoluril. <i>Journal of Supramolecular Chemistry</i> , <b>2002</b> , 2, 151-158		6
58	Hexakis (pyridyl-functionalised porphyrinato)benzene as a building block for the construction of multi-chromophoric arrays. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 9351-9355	2	16
57	Plastic- and liquid-crystalline architectures from dendritic receptor molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 5093-8	11.5	29
56	High Shape Persistence in Single Polymer Chains Rigidified with Lateral Hydrogen Bonded Networks. <i>Macromolecules</i> , <b>2002</b> , 35, 5290-5294	5.5	91



55	Hierarchical self-assembly of amphiphilic metallohosts to give discrete nanostructures. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 1532-40	16.4	51
54	Lipase polystyrene giant amphiphiles. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 4224-5	16.4	216
53	Aggregation behaviour and binding properties of an l-lysine appended glycoluril receptor. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 2751-2753	2	6
52	Synthesis of multi-porphyrin arrays and study of their self-assembly behaviour at the air/water interface. <i>Journal of Physical Organic Chemistry</i> , <b>2001</b> , 14, 501-512	2.1	10
51	Self-Assembly and Manipulation of Crown Ether Phthalocyanines at the Gel/Graphite Interface. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 2410-2412	3.6	31
50	Self-Assembly and Manipulation of Crown Ether Phthalocyanines at the Gel-Graphite Interface. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 2348-2350	16.4	77
49	Self-Association and Self-Assembly of Molecular Clips in Water. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2001</b> , 41, 65-68		7
48	beta -Helical polymers from isocyanopeptides. <i>Science</i> , <b>2001</b> , 293, 676-80	33.3	261
47	Chiral architectures from macromolecular building blocks. <i>Chemical Reviews</i> , <b>2001</b> , 101, 4039-70	68.1	788
46	Lamellar organic thin films through self-assembly and molecular recognition. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 391-9	4.2	32
45	Molecular clips based on propanediurea: exceptionally high binding affinities for resorcinol guests. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 2643-53	4.2	30
44	Synthesis, aggregation, and binding behavior of synthetic amphiphilic receptors. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 1538-47	4.2	18
43	Mechanical and optical manipulation of porphyrin rings at the submicrometre scale. <i>Nanotechnology</i> , <b>2000</b> , 11, 16-23	3.4	23
42	Host/guest complexes with tuneable solid state structures. <i>Chemical Communications</i> , <b>2000</b> , 355-356	5.8	9
41	A host/guest epoxidation catalyst with enhanced activity and stability. <i>Chemical Communications</i> , <b>2000</b> , 2443-2444	5.8	67
40	From simple to supramolecular cytochrome P450 mimics. <i>Chemical Society Reviews</i> , <b>2000</b> , 29, 375-384	58.5	183
39	Synthesis and Recognition Properties of Aromatic Amide Oligomers: Molecular Zippers. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 8856-8868	16.4	150
38	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> , <b>2000</b> , 12, 440-443	9.6	45

37	Self-assembled Architectures from Glycoluril. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2000</b> , 39, 3419-3428	3.9	65
36	Porphyrin clips derived from diphenylglycoluril. Synthesis, conformational analysis, and binding properties. <i>Journal of Organic Chemistry</i> , <b>2000</b> , 65, 1600	4.2	4
35	Dynamic process in a hexameric benzo-porphyrin studied by femtosecond transient absorption. <i>Chemical Physics Letters</i> , <b>1999</b> , 303, 261-267	2.5	14
34	Molecular and Supramolecular Objects from Glycoluril. <i>Accounts of Chemical Research</i> , <b>1999</b> , 32, 995-1006	4.3	238
33	Ring Formation in Evaporating Porphyrin Derivative Solutions. <i>Langmuir</i> , <b>1999</b> , 15, 3582-3588	4	66
32	Synthesis and Photophysical Properties of Porphyrin-Functionalized Molecular Clips. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 6653-6663	4.2	18
31	Porphyrin Clips Derived from Diphenylglycoluril. Synthesis, Conformational Analysis, and Binding Properties. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 7009-7016	4.2	84
30	Conformational Behavior and Binding Properties of Naphthalene-Walled Clips. <i>Chemistry - A European Journal</i> , <b>1998</b> , 4, 716-722	4.8	34
29	Synthesis, Conformation, and Binding Properties of Cyclodextrin Homo- and Heterodimers Connected through Their Secondary Sides. <i>Chemistry - A European Journal</i> , <b>1998</b> , 4, 2237-2250	4.8	74
28	Helical Molecular Programming. <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 63-68	16.4	398
27	Bipyridine functionalized molecular clips. Self-assembly of their ruthenium complexes in water. <i>Chemical Communications</i> , <b>1998</b> , 1553-1554	5.8	37
26	Synthesis, X-ray structure and binding properties of molecular clips based on dimethylpropanediurea. <i>Chemical Communications</i> , <b>1998</b> , 121-122	5.8	16
25	Novel porphyrin-biologen rotaxanes. <i>Chemical Communications</i> , <b>1998</b> , 611-612	5.8	28
24	Hexakis Porphyrinato Benzenes. A New Class of Porphyrin Arrays. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 11054-11060	16.4	113
23	Helical Molecular Programming <b>1998</b> , 37, 63		2
22	Design and construction of supramolecular and macromolecular architectures by tandem interactions. <i>Macromolecular Symposia</i> , <b>1997</b> , 117, 291-304	0.8	4
21	Organogel formation and molecular imprinting by functionalized gluconamides and their metal complexes. <i>Chemical Communications</i> , <b>1997</b> , 545-546	5.8	131
20	Mesostructure of Evaporated Porphyrin Thin Films: Porphyrin Wheel Formation. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 10588-10598	3.4	70

19	Binding Features of Molecular Clips. Separation of the Effects of Hydrogen Bonding and $\pi$ Interactions. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 9956-9964	16.4	112
18	Novel Cleft-Containing Porphyrins as Models for Studying Electron Transfer Processes. <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 361-363		37
17	Binding of Porphyrins in Cyclodextrin Dimers. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 257-258	16.4	107
16	Modification of the physical properties of polymers by supramolecular interactions. <i>Macromolecular Symposia</i> , <b>1996</b> , 102, 217-224	0.8	1
15	Feste Bindung von Paraquat und polymeren Paraquat-Derivaten in korbffmigen Wirtmolekln. <i>Angewandte Chemie</i> , <b>1995</b> , 107, 2288-2289	3.6	9
14	Supramolecular Activation of para-Benzoquinone. <i>Angewandte Chemie International Edition in English</i> , <b>1995</b> , 33, 2489-2491		12
13	Strong Binding of Paraquat and Polymeric Paraquat Derivatives by Basket-Shaped Hosts. <i>Angewandte Chemie International Edition in English</i> , <b>1995</b> , 34, 2132-2134		26
12	Supramolekulare Aktivierung von para-Benzochinon. <i>Angewandte Chemie</i> , <b>1994</b> , 106, 2584-2587	3.6	5
11	NMR spectra of the porphyrins. Part 42. The synthesis and aggregation behaviour of some chlorophyll analogues. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1993</b> , 1047		13
10	NMR spectra of the porphyrins. Part 40. Self-aggregation in zinc(II) and nickel(II) 2-vinylphyllylperythrins. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1991</b> , 515		11
9	Conformational analysis. Part 17. An NMR and theoretical investigation of the conformation of bicyclo[5.2.1]decane-2,6-dione. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1991</b> , 1471-1475		2
8	Substituent chemical shifts in NMR. Part 41H SCS in some 2-substituted norbornanes and bornanes. <i>Magnetic Resonance in Chemistry</i> , <b>1989</b> , 27, 1074-1084	2.1	30
7	N.m.r. spectra of porphyrins. Part 37. The structure of the methyl pyrochlorophyllide a dimer. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1989</b> , 1633		5
6	Conformational analysis. 15Lanthanide-induced shift investigation of 2-exo-norborneol using tailored models of lanthanide complexation. <i>Magnetic Resonance in Chemistry</i> , <b>1988</b> , 26, 1027-1035	2.1	3
5	Bio-Inspired Supramolecular Catalysis143-164		2
4	Polyisocyanides: Stiffened Foldamers367-402		3
3	Strong, Ultrafast, Reprogrammable Hydrogel Actuators with Muscle-Mimetic Aligned Fibrous Structures. <i>Chemistry of Materials</i> ,	9.6	12
2	Click Chemistry in the Preparation of Biohybrid Materials217-254		1

1	Snake Venom Hydrogels as a Rapid Hemostatic Agent for Uncontrolled Bleeding. <i>Advanced Healthcare Materials</i> ,2200574	10.1	1
---	----------------------------------------------------------------------------------------------------------------------------	------	---