

Brice Kauffmann

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145
papers

4,069
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37
h-index

56
g-index

160
ext. papers

4,545
ext. citations

8
avg, IF

5.39
L-index

#	Paper	IF	Citations
145	Helix-rod host-guest complexes with shuttling rates much faster than disassembly. <i>Science</i> , 2011 , 331, 1172-5	33.3	215
144	Iterative design of a helically folded aromatic oligoamide sequence for the selective encapsulation of fructose. <i>Nature Chemistry</i> , 2015 , 7, 334-41	17.6	170
143	Cascading transformations within a dynamic self-assembled system. <i>Nature Chemistry</i> , 2010 , 2, 684-7	17.6	125
142	Quadruple and double helices of 8-fluoroquinoline oligoamides. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1715-8	16.4	119
141	Diastereoselective encapsulation of tartaric acid by a helical aromatic oligoamide. <i>Journal of the American Chemical Society</i> , 2010 , 132, 7858-9	16.4	110
140	The 1-D polymeric structure of the [Fe(NH ₂ trz) ₃](NO ₃) ₂ ·nH ₂ O (with n = 2) spin crossover compound proven by single crystal investigations. <i>Chemical Communications</i> , 2011 , 47, 12382-4	5.8	94
139	Assessing the mechanical properties of a molecular spring. <i>Chemistry - A European Journal</i> , 2007 , 13, 8463-9	4.8	83
138	Absolute control of helical handedness in quinoline oligoamides. <i>Journal of Organic Chemistry</i> , 2011 , 76, 195-200	4.2	74
137	Converting sequences of aromatic amino acid monomers into functional three-dimensional structures: second-generation helical capsules. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4153-64	16.4	73
136	Aromatic oligoamide sheet foldamers. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2168-74	16.4	71
135	Template-induced screw motions within an aromatic amide foldamer double helix. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7572-5	16.4	71
134	Identification of a foldaxane kinetic byproduct during guest-induced single to double helix conversion. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15656-9	16.4	70
133	Solvent dependence of helix stability in aromatic oligoamide foldamers. <i>Chemical Communications</i> , 2012 ,	5.8	70
132	Self-assembly of supramolecular fullerene ribbons via hydrogen-bonding interactions and their impact on fullerene electronic interactions and charge carrier mobility. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12717-23	16.4	68
131	Folding of a linear array of amino acids within a helical aromatic oligoamide frame. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9628-31	16.4	65
130	Parallel and antiparallel triple helices of naphthyridine oligoamides. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1778-81	16.4	65
129	Nanosized hybrid oligoamide foldamers: aromatic templates for the folding of multiple aliphatic units. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8642-8	16.4	64

- 128 Relative helix-helix conformations in branched aromatic oligoamide foldamers. *Journal of the American Chemical Society*, **2011**, 133, 3165-72 16.4 63
- 127 Helical Oligourea Foldamers as Powerful Hydrogen Bonding Catalysts for Enantioselective C-C Bond-Forming Reactions. *Journal of the American Chemical Society*, **2017**, 139, 12524-12532 16.4 57
- 126 The herringbone helix: a noncanonical folding in aromatic-aliphatic peptides. *Journal of the American Chemical Society*, **2007**, 129, 11348-9 16.4 56
- 125 Functional and structural aspects of poplar cytosolic and plastidial type a methionine sulfoxide reductases. *Journal of Biological Chemistry*, **2007**, 282, 3367-78 5.4 55
- 124 Expanding the registry of aromatic amide foldamers: folding, photochemistry and assembly using diaza-anthracene units. *Journal of Organic Chemistry*, **2008**, 73, 2687-94 4.2 52
- 123 Heteromeric double helix formation by cross-hybridization of chloro- and fluoro-substituted quinoline oligoamides. *Chemical Communications*, **2010**, 46, 297-9 5.8 50
- 122 β Peptide-Oligourea Chimeras: Stabilization of Short β Helices by Non-Peptide Helical Foldamers. *Angewandte Chemie - International Edition*, **2015**, 54, 9816-20 16.4 49
- 121 Condensation approach to aliphatic oligourea foldamers: helices with N-(pyrrolidin-2-ylmethyl)ureido junctions. *Angewandte Chemie - International Edition*, **2011**, 50, 11382-5 16.4 49
- 120 How to avoid premature decay of your macromolecular crystal: a quick soak for long life. *Structure*, **2006**, 14, 1099-105 5.2 46
- 119 Controlling helix formation in the β peptide superfamily: heterogeneous foldamers with urea/amide and urea/carbamate backbones. *Angewandte Chemie - International Edition*, **2013**, 52, 4147-51 16.4 45
- 118 Selective Dynamic Assembly of Disulfide Macrocylic Helical Foldamers with Remote Communication of Handedness. *Angewandte Chemie - International Edition*, **2016**, 55, 6848-52 16.4 45
- 117 Iterative Evolution of an Abiotic Foldamer Sequence for the Recognition of Guest Molecules with Atomic Precision. *Journal of the American Chemical Society*, **2016**, 138, 10314-22 16.4 44
- 116 Long-range effects on the capture and release of a chiral guest by a helical molecular capsule. *Journal of the American Chemical Society*, **2012**, 134, 11282-8 16.4 44
- 115 A self-assembled foldamer capsule: combining single and double helical segments in one aromatic amide sequence. *Chemistry - A European Journal*, **2009**, 15, 11530-6 4.8 44
- 114 Translation of rod-like template sequences into homochiral assemblies of stacked helical oligomers. *Nature Nanotechnology*, **2017**, 12, 447-452 28.7 43
- 113 Spectroscopic and crystallographic characterization of "alternative resting" and "resting oxidized" enzyme forms of bilirubin oxidase: implications for activity and electrochemical behavior of multicopper oxidases. *Journal of the American Chemical Society*, **2012**, 134, 5548-51 16.4 43
- 112 Helix-forming propensity of aliphatic urea oligomers incorporating noncanonical residue substitution patterns. *Journal of the American Chemical Society*, **2013**, 135, 4884-92 16.4 43
- 111 Quadruple and Double Helices of 8-Fluoroquinoline Oligoamides. *Angewandte Chemie*, **2008**, 120, 1739-1742 16.4 41

110	Copper catalyst activation driven by photoinduced electron transfer: a prototype photolabile click catalyst. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7137-41	16.4	40
109	Methionine sulfoxide reductase B displays a high level of flexibility. <i>Journal of Molecular Biology</i> , 2009 , 394, 83-93	6.5	37
108	Crystal structure of a complex between β -glucopyranose and a macrocyclic receptor with dendritic multicharged water solubilizing chains. <i>Chemical Communications</i> , 2016 , 52, 9355-8	5.8	37
107	Racemic DNA crystallography. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 14424-7	16.4	35
106	Increasing the size of an aromatic helical foldamer cavity by strand intercalation. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13140-4	16.4	35
105	Template-Induced Screw Motions within an Aromatic Amide Foldamer Double Helix. <i>Angewandte Chemie</i> , 2011 , 123, 7714-7717	3.6	35
104	Selective Encapsulation of Disaccharide Xylobiose by an Aromatic Foldamer Helical Capsule. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13542-13546	16.4	34
103	The three-dimensional structures of peptide methionine sulfoxide reductases: current knowledge and open questions. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005 , 1703, 249-60	4	34
102	Electronic Energy Transfer Modulation in a Dynamic Foldaxane: Proof-of-Principle of a Lifetime-Based Conformation Probe. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1328-33	16.4	34
101	Interplay of interactions governing the dynamic conversions of acyclic and macrocyclic helicates. <i>Chemistry - A European Journal</i> , 2009 , 15, 6138-42	4.8	33
100	Structure elucidation of host-guest complexes of tartaric and malic acids by quasi-racemic crystallography. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 11517-20	16.4	32
99	A structural analysis of the catalytic mechanism of methionine sulfoxide reductase A from <i>Neisseria meningitidis</i> . <i>Journal of Molecular Biology</i> , 2008 , 377, 268-80	6.5	32
98	Interpenetrating single helical capsules. <i>Chemical Communications</i> , 2008 , 1968-70	5.8	31
97	Metal-directed dynamic formation of tertiary structure in foldamer assemblies: orienting helices at an angle. <i>Chemistry - A European Journal</i> , 2008 , 14, 7140-3	4.8	31
96	Tuning the guest-binding ability of a helically folded capsule by in situ modification of the aromatic oligoamide backbone. <i>Chemistry - A European Journal</i> , 2014 , 20, 1547-53	4.8	30
95	Facile functionalization of a fully fluorescent perfluorophenyl BODIPY: photostable thiol and amine conjugates. <i>Chemical Communications</i> , 2011 , 47, 10425-7	5.8	30
94	Functionalization of a ruthenium-diacetylide organometallic complex as a next-generation push-pull chromophore. <i>Chemistry - A European Journal</i> , 2014 , 20, 7017-24	4.8	29
93	Assessing stabilization through π -interactions in aromatic oligoamide β -sheet foldamers. <i>Organic Letters</i> , 2014 , 16, 2326-9	6.2	29

92	Dynamics of ion-regulated photoinduced electron transfer in BODIPY-BAPTA conjugates. <i>Photochemical and Photobiological Sciences</i> , 2012 , 11, 1666-74	4.2	28
91	Controlling Dipole Orientation through Curvature: Aromatic Foldamer Bent β -Sheets and Helix-Sheet-Helix Architectures. <i>Journal of the American Chemical Society</i> , 2017 , 139, 14668-14675	16.4	27
90	Molecular architecture of bacterial amyloids in biofilms. <i>FASEB Journal</i> , 2019 , 33, 12146-12163	0.9	27
89	Optically Active Perovskite CsPbBr Nanocrystals Helically Arranged on Inorganic Silica Nanohelices. <i>Nano Letters</i> , 2020 , 20, 8453-8460	11.5	26
88	Remote substituent effects and regioselective enhancement of electrophilic substitutions in helical aromatic oligoamides. <i>Journal of the American Chemical Society</i> , 2008 , 130, 13210-1	16.4	25
87	Driving amyloid toxicity in a yeast model by structural changes: a molecular approach. <i>FASEB Journal</i> , 2009 , 23, 2254-63	0.9	24
86	Allosteric Recognition of Homomeric and Heteromeric Pairs of Monosaccharides by a Foldamer Capsule. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 5797-5805	16.4	24
85	Selective Dynamic Assembly of Disulfide Macrocyclic Helical Foldamers with Remote Communication of Handedness. <i>Angewandte Chemie</i> , 2016 , 128, 6962-6966	3.6	24
84	Isosteric substitutions of urea to thiourea and selenourea in aliphatic oligourea foldamers: site-specific perturbation of the helix geometry. <i>Chemistry - A European Journal</i> , 2015 , 21, 2870-80	4.8	23
83	β -Peptide/Oligourea Chimeras: Stabilization of Short β -Helices by Non-Peptide Helical Foldamers. <i>Angewandte Chemie</i> , 2015 , 127, 9954-9958	3.6	22
82	Citric acid encapsulation by a double helical foldamer in competitive solvents. <i>Chemical Communications</i> , 2016 , 52, 3939-42	5.8	22
81	Formation of a hydrogen-bonded barbiturate [2]-rotaxane. <i>Organic Letters</i> , 2014 , 16, 1358-61	6.2	22
80	Trimethylamine-N-oxide as a versatile cryoprotective agent in macromolecular crystallography. <i>Journal of Applied Crystallography</i> , 2011 , 44, 433-436	3.8	22
79	Effects of Donor and Acceptor Units Attached with Benzoselenadiazole: Optoelectronic and Self-Assembling Patterns. <i>Crystal Growth and Design</i> , 2015 , 15, 5548-5554	3.5	21
78	Anion Recognition by Aliphatic Helical Oligoureas. <i>Chemistry - A European Journal</i> , 2016 , 22, 15684-15692	4.8	21
77	In situ helicity inversion of self-assembled nano-helices. <i>Chemical Communications</i> , 2015 , 51, 3518-21	5.8	19
76	Condensation Approach to Aliphatic Oligourea Foldamers: Helices with N-(Pyrrolidin-2-ylmethyl)ureido Junctions. <i>Angewandte Chemie</i> , 2011 , 123, 11584-11587	3.6	19
75	Parallel and Antiparallel Triple Helices of Naphthyridine Oligoamides. <i>Angewandte Chemie</i> , 2010 , 122, 1822-1825	3.6	19

74	Design and synthesis of novel organometallic dyes for NiO sensitization and photo-electrochemical applications. <i>Dalton Transactions</i> , 2016 , 45, 12539-47	4.3	18
73	Converting Sequences of Aromatic Amino Acid Monomers into Functional Three-Dimensional Structures: Second-Generation Helical Capsules. <i>Angewandte Chemie</i> , 2008 , 120, 4221-4224	3.6	18
72	Emergence of low-symmetry foldamers from single monomers. <i>Nature Chemistry</i> , 2020 , 12, 1180-1186	17.6	18
71	Quaterpyrroles as building blocks for the synthesis of expanded porphyrins. <i>Organic Letters</i> , 2015 , 17, 2194-7	6.2	17
70	Structural dissection of amyloid aggregates of TDP-43 and its C-terminal fragments TDP-35 and TDP-16. <i>FEBS Journal</i> , 2020 , 287, 2449-2467	5.7	17
69	Structural and morphological diversity of self-assembled synthetic β -amino acid containing peptides. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 4089-102	3.9	17
68	Helicity adaptation within a quadruply stranded helicate by encapsulation. <i>Chemical Communications</i> , 2018 , 54, 13447-13450	5.8	17
67	Light-Controlled Conformational Switch of an Aromatic Oligoamide Foldamer. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8063-8067	16.4	16
66	Structural characterization of short hybrid urea/carbamate (U/C) foldamers: A case of partial helix unwinding. <i>Biopolymers</i> , 2013 , 100, 687-97	2.2	16
65	Electronic Energy Transfer Modulation in a Dynamic Foldaxane: Proof-of-Principle of a Lifetime-Based Conformation Probe. <i>Angewandte Chemie</i> , 2016 , 128, 1350-1355	3.6	16
64	Selective Encapsulation of Disaccharide Xylobiose by an Aromatic Foldamer Helical Capsule. <i>Angewandte Chemie</i> , 2018 , 130, 13730-13734	3.6	15
63	Influence of achiral units with gem-dimethyl substituents on the helical character of aliphatic oligo-urea foldamers. <i>Chemical Communications</i> , 2013 , 49, 7415-7	5.8	15
62	Hyper-Rayleigh Scattering as a New Chiroptical Method: Uncovering the Nonlinear Optical Activity of Aromatic Oligoamide Foldamers. <i>Journal of the American Chemical Society</i> , 2020 , 142, 257-263	16.4	15
61	Structural and molecular basis of cross-seeding barriers in amyloids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	15
60	[2]Rotaxanes comprising a macrocyclic Hamilton receptor obtained using active template synthesis: synthesis and guest complexation. <i>Supramolecular Chemistry</i> , 2016 , 28, 733-741	1.8	13
59	Synthesis of 1,8-diazaanthracenes as building blocks for internally functionalized aromatic oligoamide foldamers. <i>Journal of Organic Chemistry</i> , 2014 , 79, 2115-22	4.2	13
58	Controlling Helix Formation in the β -Peptide Superfamily: Heterogeneous Foldamers with Urea/Amide and Urea/Carbamate Backbones. <i>Angewandte Chemie</i> , 2013 , 125, 4241-4245	3.6	13
57	Hybridization of long pyridine-dicarboxamide oligomers into multi-turn double helices: slow strand association and dissociation, solvent dependence, and solid state structures. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 1364-75	4.5	12

56	The X-ray structure of the N-terminal domain of PILB from <i>Neisseria meningitidis</i> reveals a thioredoxin-fold. <i>Journal of Molecular Biology</i> , 2006 , 358, 443-54	6.5	12
55	Crystallization and preliminary X-ray diffraction studies of the peptide methionine sulfoxide reductase B domain of <i>Neisseria meningitidis</i> PILB. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002 , 58, 1467-9		12
54	Structure elucidation of the Pribnow box consensus promoter sequence by racemic DNA crystallography. <i>Nucleic Acids Research</i> , 2016 , 44, 5936-43	20.1	11
53	Aromatic oligoamide foldamers as versatile scaffolds for induced circularly polarized luminescence at adjustable wavelengths. <i>Chemical Communications</i> , 2019 , 55, 9825-9828	5.8	11
52	Allosteric Recognition of Homomeric and Heteromeric Pairs of Monosaccharides by a Foldamer Capsule. <i>Angewandte Chemie</i> , 2020 , 132, 5846-5854	3.6	11
51	Multivalent Interactions between an Aromatic Helical Foldamer and a DNA G-Quadruplex in the Solid State. <i>ChemBioChem</i> , 2016 , 17, 1911-1914	3.8	10
50	Racemic DNA Crystallography. <i>Angewandte Chemie</i> , 2014 , 126, 14652-14655	3.6	10
49	Increasing the Size of an Aromatic Helical Foldamer Cavity by Strand Intercalation. <i>Angewandte Chemie</i> , 2014 , 126, 13356-13360	3.6	10
48	Unambiguous structure of atractyloside and carboxyatractyloside. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 2973-5	2.9	10
47	A highly stable double helix of aromatic oligoamide comprised of fused ring aromatic units. <i>Tetrahedron</i> , 2012 , 68, 4479-4484	2.4	10
46	Structure Elucidation of Host-Guest Complexes of Tartaric and Malic Acids by Quasi-Racemic Crystallography. <i>Angewandte Chemie</i> , 2013 , 125, 11731-11734	3.6	10
45	Electrochemical synthesis and characterisation of alternating tripyridyl-dipyrrole molecular strands with multiple nitrogen-based donor-acceptor binding sites. <i>Chemistry - A European Journal</i> , 2010 , 16, 11876-89	4.8	10
44	3D and 2D supramolecular assemblies and thermotropic behaviour of a carbo-benzenic mesogen. <i>Chemical Communications</i> , 2017 , 53, 5902-5905	5.8	9
43	Synthesis and folding propensity of aliphatic oligoureas containing repeats of proline-type units. <i>Journal of Organic Chemistry</i> , 2014 , 79, 5494-502	4.2	9
42	Development of domino processes by using 7-silylcycloheptatrienes and its analogues. <i>Chemistry - A European Journal</i> , 2012 , 18, 11976-86	4.8	9
41	Study of the oxidation of 3-hydroxypyrrroloindoles to pyrrolobenzoxazine alkaloids. <i>Tetrahedron</i> , 2011 , 67, 9899-9908	2.4	9
40	Structures of Pathological and Functional Amyloids and Prions, a Solid-State NMR Perspective. <i>Frontiers in Molecular Neuroscience</i> , 2021 , 14, 670513	6.1	8
39	Stable 5,5-Substituted 2,2-Bipyrroles: Building Blocks for Macrocyclic and Materials Chemistry. <i>Journal of Organic Chemistry</i> , 2017 , 82, 6904-6912	4.2	7

38	Light-Controlled Conformational Switch of an Aromatic Oligoamide Foldamer. <i>Angewandte Chemie</i> , 2019 , 131, 8147-8151	3.6	7
37	Identification of NLR-associated Amyloid Signaling Motifs in Bacterial Genomes. <i>Journal of Molecular Biology</i> , 2020 , 432, 6005-6027	6.5	7
36	Bacteria associated with wood tissues of Esca-diseased grapevines: functional diversity and synergy with <i>Fomitiporia mediterranea</i> to degrade wood components. <i>Environmental Microbiology</i> , 2021 , 23, 6104-6121	5.2	7
35	Carbo-biphenyls and Carbo-terphenyls: Oligo(phenylene ethynylene) Ring Carbo-mers. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5640-5644	16.4	6
34	Stabilization of an α -helix by short adjacent accessory foldamers. <i>Comptes Rendus Chimie</i> , 2016 , 19, 123-131	3.1	6
33	An activated building block for the introduction of the histidine side chain in aliphatic oligoamide foldamers. <i>Tetrahedron</i> , 2012 , 68, 4492-4500	2.4	6
32	Sensing a binding event through charge transport variations using an aromatic oligoamide capsule. <i>Chemical Science</i> , 2021 , 12, 3743-3750	9.4	6
31	Crystallization and preliminary X-ray studies of the glutaredoxin from poplar in complex with glutathione. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003 , 59, 1043-5		5
30	Hybrid Sequences that Express both Aromatic Amide and β -Peptidic Folding Features. <i>ChemPlusChem</i> , 2020 , 85, 1580-1586	2.8	4
29	Understanding the conformational analysis of gababutin based hybrid peptides. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 1728-1735	3.9	4
28	Macrocyclic Hamilton-type receptors comprising a ferrocene pivot. <i>Supramolecular Chemistry</i> , 2018 , 30, 869-875	1.8	4
27	Photolariats: synthesis, metal ion complexation and photochromism. <i>Supramolecular Chemistry</i> , 2012 , 24, 462-472	1.8	4
26	Preparative enantiomeric separation of new selective CB2 receptor agonists by liquid chromatography on polysaccharide-based chiral stationary phases: determination of enantiomeric purity and assignment of absolute stereochemistry by X-ray structure analysis. <i>Chirality</i> , 2011 , 23, 389-96	2.1	4
25	Absolute handedness control of oligoamide double helices by chiral oxazolyaniline induction. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 6643-6650	3.9	4
24	Large-Amplitude Conformational Changes in Self-Assembled Multi-Stranded Aromatic Sheets. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 2574-2577	16.4	4
23	Light-mediated chiroptical switching of an achiral foldamer host in presence of a carbohydrate guest. <i>Chemical Communications</i> , 2021 , 57, 93-96	5.8	4
22	Slow kinetic evolution of nanohelices based on gemini surfactant self-assemblies with various enantiomeric excess; chiral segregation towards a racemic mixture. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 3021-3028	7.8	4
21	Carbo-biphenyls and Carbo-terphenyls: Oligo(phenylene ethynylene) Ring Carbo-mers. <i>Angewandte Chemie</i> , 2018 , 130, 5742-5746	3.6	3

20	New Photomagnetic Ionic Salts Based on [MoIV(CN)8]4- and [WIV(CN)8]4- Anions. <i>Magnetochemistry</i> , 2021 , 7, 97	3.1	3
19	Isothermal crystallization of anhydrous milk fat in presence of free fatty acids and their esters: From nanostructure to textural properties. <i>Food Chemistry</i> , 2022 , 366, 130533	8.5	3
18	Expanding the carbo-Benzene Chemical Space for Electron-Accepting Ability: Trifluorotolyl/Tertiobutyl Substitution Balance. <i>Helvetica Chimica Acta</i> , 2019 , 102, e1900049	2	2
17	Mechanism of Reconstitution/Activation of the Soluble PQQ-Dependent Glucose Dehydrogenase from : A Comprehensive Study. <i>ACS Omega</i> , 2020 , 5, 2015-2026	3.9	2
16	Postelongation Strategy for the Introduction of Guanidinium Units in the Main Chain of Helical Oligourea Foldamers. <i>Journal of Organic Chemistry</i> , 2018 , 83, 2530-2541	4.2	2
15	Anion Recognition by Aliphatic Helical Oligoureas. <i>Chemistry - A European Journal</i> , 2016 , 22, 15549-15549	1.8	2
14	Interplay between a Foldamer Helix and a Macrocyclic in a Foldarotaxane Architecture. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8380-8384	16.4	2
13	Linear and nonlinear optical properties of a quadrupolar carbo-benzene and its benzenic parent: The carbo-merization effect. <i>Dyes and Pigments</i> , 2021 , 188, 109133	4.6	2
12	Partial Prion Cross-Seeding between Fungal and Mammalian Amyloid Signaling Motifs. <i>MBio</i> , 2021 , 12,	7.8	2
11	Synthetic water soluble di-/trivalent molecular receptors exhibiting Ca/Mg exchange. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 4367-4374	3.9	1
10	N-(tert-Butyloxycarbonylamino)phthalimide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004 , 60, o934-o935		1
9	Stable pseudo[3]rotaxanes with strong positive binding cooperativity based on shape-persistent aromatic oligoamide macrocycles. <i>Chemical Communications</i> , 2021 , 57, 11645-11648	5.8	1
8	Aromatic foldamers as scaffolds for metal second coordination sphere design. <i>Chemical Science</i> , 2020 , 11, 12178-12186	9.4	1
7	Symmetry Decrease between Self-Assembled Circular TiO4N2-Based Helicates. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 3527-3531	2.3	1
6	Multiturn Hollow Helices: Synthesis and Folding of Long Aromatic Oligoamides. <i>Organic Letters</i> , 2020 , 22, 6938-6942	6.2	1
5	Interplay between a Foldamer Helix and a Macrocyclic in a Foldarotaxane Architecture. <i>Angewandte Chemie</i> , 2021 , 133, 8461-8465	3.6	1
4	Carbo-mer of Barrelene: A Rigid 3D-Carbon-Expanded Molecular Barrel. <i>Chemistry - A European Journal</i> , 2021 , 27, 9286-9291	4.8	1
3	Umfangreiche Konformationsänderungen in selbstassemblierten mehrsträngigen aromatischen Faltblättern. <i>Angewandte Chemie</i> , 2021 , 133, 2605-2609	3.6	1

- 2 Five-component, one-pot synthesis of an electroactive rotaxane comprising a bisferrocene macrocycle. *Beilstein Journal of Organic Chemistry*, **2020**, 16, 1564-1571 2.5
- 1 Functionalized 1,8-Diazaptycenes as Monomers for Aromatic Oligoamide Foldamers. *ChemPlusChem*, **2021**, 86, 1162-1166 2.8