

# Francois Diederich

## List of Publications by Citations

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735  
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50,153  
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L-index

| #   | Paper                                                                                                                                                                  | IF   | Citations |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 674 | Fluorine in pharmaceuticals: looking beyond intuition. <i>Science</i> , <b>2007</b> , 317, 1881-6                                                                      | 33.3 | 4581      |
| 673 | Interactions with aromatic rings in chemical and biological recognition. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 1210-50                  | 16.4 | 2904      |
| 672 | Acetylenic Coupling: A Powerful Tool in Molecular Construction. <i>Angewandte Chemie - International Edition</i> , <b>2000</b> , 39, 2632-2657                         | 16.4 | 1276      |
| 671 | Aromatic rings in chemical and biological recognition: energetics and structures. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 4808-42         | 16.4 | 1163      |
| 670 | Linear Monodisperse $\pi$ -Conjugated Oligomers: Model Compounds for Polymers and More. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 1350-1377 | 16.4 | 800       |
| 669 | Characterization of the soluble all-carbon molecules C <sub>60</sub> and C <sub>70</sub> . <i>The Journal of Physical Chemistry</i> , <b>1990</b> , 94, 8630-8633      |      | 750       |
| 668 | Supramolecular fullerene chemistry. <i>Chemical Society Reviews</i> , <b>1999</b> , 28, 263-277                                                                        | 58.5 | 644       |
| 667 | Synthetic Approaches toward Molecular and Polymeric Carbon Allotropes. <i>Angewandte Chemie International Edition in English</i> , <b>1992</b> , 31, 1101-1123         |      | 513       |
| 666 | Wechselwirkungen mit aromatischen Ringen in chemischen und biologischen Erkennungsprozessen. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 1244-1287                   | 3.6  | 499       |
| 665 | Structural aspects of fullerene chemistry—a journey through fullerene chirality. <i>Chemical Reviews</i> , <b>2006</b> , 106, 5049-135                                 | 68.1 | 429       |
| 664 | Orthogonal multipolar interactions in structural chemistry and biology. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 1788-805                  | 16.4 | 407       |
| 663 | Carbon scaffolding: building acetylenic all-carbon and carbon-rich compounds. <i>Nature</i> , <b>1994</b> , 369, 199-207                                               | 50.4 | 395       |
| 662 | Systematic investigation of halogen bonding in protein-ligand interactions. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 314-8                 | 16.4 | 387       |
| 661 | Molecular recognition in chemical and biological systems. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 3290-327                                | 16.4 | 380       |
| 660 | Isolation of C <sub>76</sub> , a chiral (D <sub>2</sub> ) allotrope of carbon. <i>Nature</i> , <b>1991</b> , 353, 149-153                                              | 50.4 | 376       |
| 659 | Predicting and tuning physicochemical properties in lead optimization: amine basicities. <i>ChemMedChem</i> , <b>2007</b> , 2, 1100-15                                 | 3.7  | 344       |
| 658 | Complexation of Neutral Molecules by Cyclophane Hosts. <i>Angewandte Chemie International Edition in English</i> , <b>1988</b> , 27, 362-386                           |      | 340       |

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|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|
| 657 | Acetylene-derived strong organic acceptors for planar and nonplanar push-pull chromophores. <i>Accounts of Chemical Research</i> , <b>2009</b> , 42, 235-48                                                                                                                     | 24.3 | 329 |
| 656 | Beyond C60: the higher fullerenes. <i>Accounts of Chemical Research</i> , <b>1992</b> , 25, 119-126                                                                                                                                                                             | 24.3 | 325 |
| 655 | Functional Dendrimers: Unique Biological Mimics. <i>Chemistry - A European Journal</i> , <b>1998</b> , 4, 1353-1361                                                                                                                                                             | 4.8  | 320 |
| 654 | Acetylenkupplungen: eine leistungsfähige Methode für den Aufbau von Molekülen. <i>Angewandte Chemie</i> , <b>2000</b> , 112, 2740-2767                                                                                                                                          | 3.6  | 282 |
| 653 | All-carbon scaffolds by rational design. <i>Advanced Materials</i> , <b>2010</b> , 22, 803-12                                                                                                                                                                                   | 24   | 275 |
| 652 | Supramolecular [60]fullerene chemistry on surfaces. <i>Chemical Society Reviews</i> , <b>2007</b> , 36, 390-414                                                                                                                                                                 | 58.5 | 247 |
| 651 | Allenes in molecular materials. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 2818-28                                                                                                                                                                    | 16.4 | 237 |
| 650 | Templated Regioselective and Stereoselective Synthesis in Fullerene Chemistry. <i>Accounts of Chemical Research</i> , <b>1999</b> , 32, 537-545                                                                                                                                 | 24.3 | 236 |
| 649 | Aromatische Ringe in chemischer und biologischer Erkennung: Energien und Strukturen. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 4908-4944                                                                                                                                    | 3.6  | 232 |
| 648 | Donor-substituted 1,1,4,4-tetracyanobutadienes (TCBDS): new chromophores with efficient intramolecular charge-transfer interactions by atom-economic synthesis. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 1889-905                                              | 4.8  | 231 |
| 647 | Phosphate recognition in structural biology. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 338-52                                                                                                                                                        | 16.4 | 229 |
| 646 | Steroids in Molecular Recognition. <i>Chemical Reviews</i> , <b>1997</b> , 97, 1567-1608                                                                                                                                                                                        | 68.1 | 225 |
| 645 | Structure-Property Relationships in Third-Order Nonlinear Optical Chromophores. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 4451-4465                                                                                                                           | 3.4  | 225 |
| 644 | Non-planar push-pull chromophores. <i>Chemical Communications</i> , <b>2010</b> , 46, 1994-2006                                                                                                                                                                                 | 5.8  | 224 |
| 643 | Strength of molecular complexation of apolar solutes in water and in organic solvents is predictable by linear free energy relationships: a general model for solvation effects on apolar binding. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 339-343 | 16.4 | 218 |
| 642 | Dendritic Porphyrins: Modulating Redox Potentials of Electroactive Chromophores with Pendant Multifunctionality. <i>Angewandte Chemie International Edition in English</i> , <b>1994</b> , 33, 1739-1742                                                                        |      | 216 |
| 641 | Conjugated oligoenynes based on the diethynylethene unit. <i>Chemical Reviews</i> , <b>2005</b> , 105, 1837-67                                                                                                                                                                  | 68.1 | 215 |
| 640 | Enthalpically driven cyclophane-arene inclusion complexation: solvent-dependent calorimetric studies. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 5420-5426                                                                                            | 16.4 | 214 |

- 639 A new class of organic donor-acceptor molecules with large third-order optical nonlinearities. *Chemical Communications*, **2005**, 737-9 5.8 207
- 638 Determination of End-to-End Distances in a Series of TEMPO Diradicals of up to 2.8 nm Length with a New Four-Pulse Double Electron Electron Resonance Experiment. *Angewandte Chemie - International Edition*, **1998**, 37, 2833-2837 16.4 185
- 637 Strategien zum Aufbau molekularer und polymerer Kohlenstoffallotrope. *Angewandte Chemie*, **1992**, 104, 1123-1146 3.6 185
- 636 Lineare monodisperse konjugierte Oligomere: mehr als nur Modellverbindungen für Polymere. *Angewandte Chemie*, **1999**, 111, 1440-1469 3.6 182
- 635 Regio- and Diastereoselective Bisfunctionalization of C60 and Enantioselective Synthesis of a C60 Derivative with a Chiral Addition Pattern. *Angewandte Chemie International Edition in English*, **1996**, 35, 2101-2103 179
- 634 Supramolecular patterned surfaces driven by cooperative assembly of C60 and porphyrins on metal substrates. *Angewandte Chemie - International Edition*, **2004**, 43, 4759-63 16.4 175
- 633 Tether-Directed Remote Functionalization of Buckminsterfullerene: Regiospecific Hexaadduct Formation. *Angewandte Chemie International Edition in English*, **1994**, 33, 2339-2342 170
- 632 A fluorine scan of thrombin inhibitors to map the fluorophilicity/fluorophobicity of an enzyme active site: evidence for C-F...C=O interactions. *Angewandte Chemie - International Edition*, **2003**, 42, 2507-14 16.4 165
- 631 A weak attractive interaction between organic fluorine and an amide group. *Angewandte Chemie - International Edition*, **2004**, 43, 5056-9 16.4 161
- 630 Amphiphilic dendrimers: novel self-assembling vectors for efficient gene delivery. *Angewandte Chemie - International Edition*, **2003**, 42, 1486-90 16.4 160
- 629 Carbon-rich acetylenic scaffolding: rods, rings and switches. *Chemical Communications*, **2001**, 219-227 5.8 160
- 628 Charge-transfer interactions in face-to-face porphyrin-fullerene systems: solvent-dependent luminescence in the infrared spectral region. *Chemistry - A European Journal*, **2000**, 6, 1629-45 4.8 159
- 627 Dendritic vectors for gene transfection. *New Journal of Chemistry*, **2007**, 31, 1111-1127 3.6 157
- 626 Synthesis of a Fullerene Derivative of Benzo[18]crown-6 by Diels-Alder Reaction: Complexation Ability, Amphiphilic Properties, and X-Ray Crystal Structure of a Dimethoxy-1,9-(methano[1,2]benzenomethano)fullerene[60] Benzene Clathrate. *Helvetica Chimica Acta*, **1993**, 76, 2445-2458 2 150
- 625 1,1-Dicyano-4-[4-(diethylamino)phenyl]buta-1,3-dienes: Structure-Property Relationships. *European Journal of Organic Chemistry*, **2012**, 2012, 2756-2765 3.2 149
- 624 Benzenoid versus Annulenoic Aromaticity: Synthesis and Properties of Kekulene. *Angewandte Chemie International Edition in English*, **1978**, 17, 372-374 141
- 623 Solution-spray flash vacuum pyrolysis: a new method for the synthesis of linear polyynes with odd numbers of C-C bonds from substituted 3,4-dialkynyl-3-cyclobutene-1,2-diones. *Journal of the American Chemical Society*, **1991**, 113, 6943-6949 16.4 140
- 622 A Novel Three-Way Chromophoric Molecular Switch: pH and Light Controllable Switching Cycles. *Angewandte Chemie - International Edition*, **1999**, 38, 674-678 16.4 138

- 621 Stable Langmuir and Langmuir-Blodgett Films of Fullerene-Glycodendron Conjugates. *Langmuir*, **1998**, 14, 1955-1959 4 136
- 620 The higher oxides of carbon C<sub>8</sub>nO<sub>2</sub>n (n = 3-5): synthesis, characterization, and x-ray crystal structure. Formation of cyclo[n]carbon ions C<sub>n</sub><sup>+</sup> (n = 18, 24), C<sub>n</sub><sup>-</sup> (n = 18, 24, 30), and higher carbon ions including C<sub>60</sub><sup>+</sup> in laser desorption Fourier transform mass spectrometric experiments. *Journal of the American Chemical Society*, **1991**, 113, 495-500 16.4 134
- 619 Macrocyclization on the fullerene core: Direct regio- and diastereoselective multi-functionalization of [60]fullerene, and synthesis of fullerene-dendrimer derivatives. *Helvetica Chimica Acta*, **1997**, 80, 2238-2276 2 133
- 618 A New Family of Chiral Binaphthyl-Derived Cyclophane Receptors: Complexation of Pyranosides. *Angewandte Chemie International Edition in English*, **1995**, 34, 1596-1600 132
- 617 Halogen bonding molecular capsules. *Angewandte Chemie - International Edition*, **2015**, 54, 12339-44 16.4 130
- 616 A Copper(I)-Complexed Rotaxane with Two Fullerene Stoppers: Synthesis, Electrochemistry, and Photoinduced Processes. *Chemistry - A European Journal*, **1998**, 4, 406-416 4.8 128
- 615 Fluorine interactions at the thrombin active site: protein backbone fragments H-C(α)-C=O comprise a favorable C-F environment and interactions of C-F with electrophiles. *ChemBioChem*, **2004**, 5, 666-75 3.8 127
- 614 Cyclophane-arene inclusion complexation in protic solvents: solvent effects versus electron donor-acceptor interactions. *Journal of the American Chemical Society*, **1991**, 113, 5410-5419 16.4 127
- 613 A High-Optical Quality Supramolecular Assembly for Third-Order Integrated Nonlinear Optics. *Advanced Materials*, **2008**, 20, 4584-4587 24 121
- 612 A supramolecular multiposition rotary device. *Angewandte Chemie - International Edition*, **2007**, 46, 4089-4094 16.4 120
- 611 Cyclophane zur Komplexierung von Neutalmolekülen. *Angewandte Chemie*, **1988**, 100, 372-396 3.6 118
- 610 Triply fused Zn(II)-porphyrin oligomers: synthesis, properties, and supramolecular interactions with single-walled carbon nanotubes (SWNTs). *Chemistry - A European Journal*, **2006**, 12, 6062-70 4.8 115
- 609 Exceptional redox and photophysical properties of a triply fused diporphyrin-C<sub>60</sub> conjugate: novel scaffolds for multicharge storage in molecular scale electronics. *Angewandte Chemie - International Edition*, **2003**, 42, 4966-70 16.4 114
- 608 Orthogonal dipolar interactions between amide carbonyl groups. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 17290-4 11.5 112
- 607 Water-Soluble Dendritic Iron Porphyrins: Synthetic Models of Globular Heme Proteins. *Angewandte Chemie International Edition in English*, **1996**, 34, 2725-2728 112
- 606 Silicon Organic Hybrid Technology: A Platform for Practical Nonlinear Optics. *Proceedings of the IEEE*, **2009**, 97, 1304-1316 14.3 111
- 605 Organic super-acceptors with efficient intramolecular charge-transfer interactions by [2+2] cycloadditions of TCNE, TCNQ, and F4-TCNQ to donor-substituted cyanoalkynes. *Chemistry - A European Journal*, **2009**, 15, 4111-23 4.8 109
- 604 A novel reaction of 7,7,8,8-tetracyanoquinodimethane (TCNQ): charge-transfer chromophores by [2 + 2] cycloaddition with alkynes. *Chemical Communications*, **2007**, 4731-3 5.8 107

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----|
| 603 | Property tuning in charge-transfer chromophores by systematic modulation of the spacer between donor and acceptor. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 5378-87                                                                                                         | 4.8    | 106 |
| 602 | Dendrimers with Porphyrin Cores: Synthetic models for globular heme proteins. <i>Helvetica Chimica Acta</i> , <b>1997</b> , 80, 1773-1801                                                                                                                                                    | 2      | 105 |
| 601 | Charge-transfer chromophores by cycloaddition-retro-electrocyclization: multivalent systems and cascade reactions. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 6357-60                                                                                              | 16.4   | 105 |
| 600 | Metal-Catalyzed Cross-Coupling Reactions of Organoboron Compounds with Organic Halides                                                                                                                                                                                                       | 41-123 | 105 |
| 599 | Helicene quinones: redox-triggered chiroptical switching and chiral recognition of the semiquinone radical anion lithium salt by electron nuclear double resonance spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 13045-52                               | 16.4   | 103 |
| 598 | The Covalent Chemistry of Higher Fullerenes: C70 and Beyond. <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 2268-2280                                                                                                                                         |        | 103 |
| 597 | Supramolecular Dendrimer Chemistry: A Journey Through the Branched Architecture. <i>Topics in Current Chemistry</i> , <b>2000</b> , 183-227                                                                                                                                                  |        | 103 |
| 596 | Halogen bonding of (iodoethynyl)benzene derivatives in solution. <i>Organic Letters</i> , <b>2014</b> , 16, 4722-5                                                                                                                                                                           | 6.2    | 102 |
| 595 | Halogen bonding at the active sites of human cathepsin L and MEK1 kinase: efficient interactions in different environments. <i>ChemMedChem</i> , <b>2011</b> , 6, 2048-54                                                                                                                    | 3.7    | 102 |
| 594 | Tetraethynylethenes: Fully cross-conjugated electron chromophores and molecular scaffolds for all-carbon networks and carbon-rich nanomaterials. <i>Helvetica Chimica Acta</i> , <b>1995</b> , 78, 13-45                                                                                     | 2      | 101 |
| 593 | Bis- through Tetrakis-Adducts of C60 by Reversible Tether-Directed Remote Functionalization and systematic investigation of the changes in fullerene properties as a function of degree, pattern, and nature of functionalization. <i>Helvetica Chimica Acta</i> , <b>1997</b> , 80, 343-371 | 2      | 99  |
| 592 | Preparation of Enantiomerically Pure C76 with a General Electrochemical Method for the Removal of Di(alkoxycarbonyl)methano Bridges from Methanofullerenes: The Retro-Bingel Reaction. <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 1919-1922                        | 16.4   | 99  |
| 591 | Dendritic Iron Porphyrins with Tethered Axial Ligands: New Model Compounds for Cytochromes. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 3215-3219                                                                                                                   | 16.4   | 99  |
| 590 | Molecular torsion balances: evidence for favorable orthogonal dipolar interactions between organic fluorine and amide groups. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 8270-3                                                                                    | 16.4   | 98  |
| 589 | Electrochemistry of Mono- through Hexakis-adducts of C60. <i>Helvetica Chimica Acta</i> , <b>1995</b> , 78, 1334-1344                                                                                                                                                                        | 2      | 96  |
| 588 | Molekulare Erkennung in chemischen und biologischen Systemen. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 3341-3382                                                                                                                                                                        | 3.8    | 95  |
| 587 | Origin of intense intramolecular charge-transfer interactions in nonplanar push-pull chromophores. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 8687-91                                                                                                                         | 4.8    | 95  |
| 586 | Supramolecular chemistry of dendrimers with functional cores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 4778-81                                                                                                             | 11.5   | 95  |



- 585 The Impact of Antiaromatic Subunits in  $[4n+2]$  Systems: Bispentalenes with  $[4n+2]$  Electron Perimeters and Antiaromatic Character. *Journal of the American Chemical Society*, **2015**, 137, 7178-88 16.4 94
- 584 Quantification of cation- $\pi$  interactions in protein-ligand complexes: crystal-structure analysis of Factor Xa bound to a quaternary ammonium ion ligand. *Angewandte Chemie - International Edition*, **2005**, 44, 4400-4 16.4 94
- 583 Orthogonale multipolare Wechselwirkungen in chemischen und biologischen Strukturen. *Angewandte Chemie*, **2005**, 117, 1820-1839 3.6 94
- 582 Development of redox-switchable resorcin[4]arene cavitands. *Accounts of Chemical Research*, **2014**, 47, 2096-105 24.3 93
- 581 Synthesis, and Optical and Electrochemical Properties of Cyclophane-Type Molecular Dyads Containing a Porphyrin in Close, Tangential Orientation Relative to the Surface of trans-1 Functionalized C60. Preliminary Communication. *Helvetica Chimica Acta*, **1998**, 81, 1835-1844 2 92
- 580 Container molecules with portals: Reversibly switchable cycloalkane complexation. *Angewandte Chemie - International Edition*, **2007**, 46, 260-4 16.4 92
- 579 Chemistry of the Higher Fullerenes: Preparative isolation of C76 by HPLC and synthesis, separation, and characterization of Diels-Alder monoadducts of C70 and C76. *Helvetica Chimica Acta*, **1994**, 77, 1689-1706 92
- 578 Synthesis and crystal structure of a stable hexacobalt complex of cyclo[18]carbon. *Journal of the American Chemical Society*, **1990**, 112, 4966-4968 16.4 92
- 577 Redox-Active Self-Assembled Monolayers for Solid-Contact Polymeric Membrane Ion-Selective Electrodes. *Chemistry of Materials*, **2002**, 14, 1721-1729 9.6 90
- 576 Synthetic Routes to the Cyclo[n]carbons. *Helvetica Chimica Acta*, **1994**, 77, 1441-1457 2 90
- 575 Fullerene-Acetylene Hybrids: On the Way to Synthetic Molecular Carbon Allotropes. *Angewandte Chemie International Edition in English*, **1994**, 33, 1366-1368 90
- 574 Precursors to the cyclo[n]carbons: from 3,4-dialkynyl-3-cyclobutene-1,2-diones and 3,4-dialkynyl-3-cyclobutene-1,2-diols to cyclobutenodehydroannulenes and higher oxides of carbon. *Journal of the American Chemical Society*, **1990**, 112, 1607-1617 16.4 90
- 573 Modification of supramolecular binding motifs induced by substrate registry: formation of self-assembled macrocycles and chain-like patterns. *Chemistry - A European Journal*, **2009**, 15, 11139-50 4.8 87
- 572 Donor-substituted cyanoethynylethenes:  $\pi$ -conjugation and band-gap tuning in strong charge-transfer chromophores. *Chemistry - A European Journal*, **2005**, 11, 3325-41 4.8 87
- 571 Chemistry of C : Separation of Three Constitutional Isomers and Optical Resolution of D-C by Using the "Bingel-Retro-Bingel" Strategy. *Angewandte Chemie - International Edition*, **1999**, 38, 1613-1617 16.4 87
- 570 A New Helicopodand: Molecular Recognition of Dicarboxylic Acids with High Diastereoselectivity. *Helvetica Chimica Acta*, **1993**, 76, 2757-2774 2 87
- 569 Structure-based drug design: exploring the proper filling of apolar pockets at enzyme active sites. *Journal of Organic Chemistry*, **2008**, 73, 4345-61 4.2 86
- 568 Stable [12]- and [18]Annulenes Derived from Tetraethynylethene. *Angewandte Chemie International Edition in English*, **1993**, 32, 406-409 86

|     |                                                                                                                                                                                                                                                                          |         |         |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|
| 567 | Palladium-Catalyzed Aromatic Carbon-Nitrogen Bond Formation                                                                                                                                                                                                              | 699-760 | 85      |
| 566 | Geometrically precisely defined multianometer expansion/contraction motions in a resorcin[4]arene cavitand based molecular switch. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 4635-8                                                           |         | 16.4 85 |
| 565 | Prospective Evaluation of Free Energy Calculations for the Prioritization of Cathepsin L Inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 2485-2497                                                                                                 |         | 8.3 82  |
| 564 | Self-assembly and two-dimensional spontaneous resolution of cyano-functionalized [7]helicenes on Cu111. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 9982-6                                                                                      |         | 16.4 82 |
| 563 | PtII-Directed Self-Assembly of a Dinuclear Cyclophane Containing Two Fullerenes. <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 1916-1919                                                                                                          |         | 16.4 82 |
| 562 | A copper(I)-complexed rotaxane with two fullerene stoppers. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1995</b> , 781                                                                                                                           |         | 82      |
| 561 | Halogen-Bonded Supramolecular Capsules in the Solid State, in Solution, and in the Gas Phase. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 1152-1157                                                                                             |         | 16.4 81 |
| 560 | Methanofullerene Molecular Scaffolding: Towards C60-substituted poly(triacetylenes) and expanded radialenes, preparation of a C60@70 hybrid derivative, and a novel macrocyclization reaction. <i>Helvetica Chimica Acta</i> , <b>1997</b> , 80, 293-316                 |         | 2 80    |
| 559 | The Stability of Buckminsterfullerene (C60): Experimental Determination of the Heat of Formation. <i>Angewandte Chemie International Edition in English</i> , <b>1992</b> , 31, 63-64                                                                                    |         | 80      |
| 558 | Allene in molekularen Materialien. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 2872-2882                                                                                                                                                                               |         | 3.6 79  |
| 557 | Extended conjugation and donor-acceptor substitution to improve the third-order optical nonlinearity of small molecules. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 251106                                                                                       |         | 3.4 79  |
| 556 | A fluorine scan of the phenylamidinium needle of tricyclic thrombin inhibitors: effects of fluorine substitution on pKa and binding affinity and evidence for intermolecular C-F...CN interactions. <i>Organic and Biomolecular Chemistry</i> , <b>2004</b> , 2, 1339-52 |         | 3.9 79  |
| 555 | Molecular Recognition with Resorcin[4]arene Cavitands: Switching, Halogen-Bonded Capsules, and Enantioselective Complexation. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 2705-2717                                                             |         | 16.4 78 |
| 554 | Bucky Ligands: Synthesis, Ruthenium(II) Complexes, and Electrochemical Properties. <i>Chemistry - A European Journal</i> , <b>1998</b> , 4, 723-733                                                                                                                      |         | 4.8 78  |
| 553 | New strong organic acceptors by cycloaddition of TCNE and TCNQ to donor-substituted cyanoalkynes. <i>Chemical Communications</i> , <b>2007</b> , 4898-900                                                                                                                |         | 5.8 78  |
| 552 | Highly functionalized dimeric tetraethynylethenes and expanded radialenes: strong evidence for macrocyclic cross-conjugation. <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 3263-80                                                                           |         | 4.8 78  |
| 551 | Catalytic Dendrophanes as Enzyme Mimics: Synthesis, Binding Properties, Micropolarity Effect, and Catalytic Activity of Dendritic Thiazolio-cyclophanes. <i>Helvetica Chimica Acta</i> , <b>1999</b> , 82, 1066-1095                                                     |         | 2 78    |
| 550 | Fullerene-acetylene hybrids: Towards a novel class of molecular carbon allotropes. <i>Tetrahedron</i> , <b>1996</b> , 52, 4925-4947                                                                                                                                      |         | 2.4 78  |



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| 549 | Systematische Untersuchung von Halogenbrücken in Protein-Ligand- Wechselwirkungen. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 329-334                                                                                                                         | 3.6  | 77 |
| 548 | Optical properties of highly nonlinear silicon-organic hybrid (SOH) waveguide geometries. <i>Optics Express</i> , <b>2009</b> , 17, 17357-68                                                                                                                     | 3.3  | 77 |
| 547 | Electronic Characteristics of Arylated Tetraethynylethenes: A Cooperative Computational and Electrochemical Investigation. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 2069-2078                                                        | 16.4 | 77 |
| 546 | Multiple Adducts of C60 by Tether-Directed Remote Functionalization and synthesis of soluble derivatives of new carbon allotropes Cn(60+5). <i>Helvetica Chimica Acta</i> , <b>1997</b> , 80, 317-342                                                            | 2    | 77 |
| 545 | Photoswitchable Tetraethynylethene-Dihydroazulene Chromophores. <i>Helvetica Chimica Acta</i> , <b>2001</b> , 84, 743-777                                                                                                                                        | 2    | 77 |
| 544 | Supramolecular Capsules: Strong versus Weak Chalcogen Bonding. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 17259-17264                                                                                                                  | 16.4 | 77 |
| 543 | Molecular recognition at the thrombin active site: structure-based design and synthesis of potent and selective thrombin inhibitors and the X-ray crystal structures of two thrombin-inhibitor complexes. <i>Chemistry and Biology</i> , <b>1997</b> , 4, 287-95 |      | 76 |
| 542 | Nanoscale engineering of molecular porphyrin wires on insulating surfaces. <i>Small</i> , <b>2008</b> , 4, 1115-8                                                                                                                                                | 11   | 76 |
| 541 | Starving the malaria parasite: inhibitors active against the aspartic proteases plasmepsins I, II, and IV. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 2138-41                                                                          | 16.4 | 76 |
| 540 | Dramatically Enhanced Fluorescence of Heteroaromatic Chromophores upon Insertion as Spacers into Oligo(triacetylene)s. <i>Helvetica Chimica Acta</i> , <b>2002</b> , 85, 2195                                                                                    | 2    | 76 |
| 539 | Dendrophanes: Water-Soluble Dendritic Receptors. Preliminary communication. <i>Helvetica Chimica Acta</i> , <b>1995</b> , 78, 1904-1912                                                                                                                          | 2    | 76 |
| 538 | Pentafluorosulfanyl as a novel building block for enzyme inhibitors: trypanothione reductase inhibition and antiprotozoal activities of diarylamines. <i>ChemBioChem</i> , <b>2009</b> , 10, 79-83                                                               | 3.8  | 75 |
| 537 | Synthesis of a Fullerene[60] Cryptate and Systematic Langmuir-Blodgett and Thin-Film Investigations of Amphiphilic Fullerene Derivatives. <i>Chemistry - A European Journal</i> , <b>1995</b> , 1, 243-251                                                       | 4.8  | 75 |
| 536 | An enantiomerically pure alleno-acetylenic macrocycle: synthesis and rationalization of its outstanding chiroptical response. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 5545-8                                                        | 16.4 | 74 |
| 535 | 1,2,3-triazoles as conjugative pi-linkers in push-pull chromophores: importance of substituent positioning on intramolecular charge-transfer. <i>Organic Letters</i> , <b>2008</b> , 10, 3347-50                                                                 | 6.2  | 74 |
| 534 | Conformational Switching of Resorcin[4]arene Cavitands by Protonation, Preliminary Communication. <i>Helvetica Chimica Acta</i> , <b>2001</b> , 84, 2146-2153                                                                                                    | 2    | 74 |
| 533 | Structure-property relationships in nonlinear optical tetraethynylethenes. <i>Advanced Materials</i> , <b>1996</b> , 8, 231-234                                                                                                                                  | 24   | 74 |
| 532 | Dioxygen and carbon monoxide binding in dendriticiron(ii)porphyrins. <i>Chemical Communications</i> , <b>1997</b> , 193-194                                                                                                                                      | 5.8  | 73 |

- 531 Poly(triacetylene) Oligomers: Synthesis, Characterization, and Estimation of the Effective Conjugation Length by Electrochemical, UV/Vis, and Nonlinear Optical Methods. *Chemistry - A European Journal*, **1997**, 3, 1505-1512 4.8 73
- 530 Regioselective Synthesis of trans-1 Fullerene Bis-Adducts Directed by a Crown Ether Tether: Alkali Metal Cation Modulated Redox Properties of Fullerene-Crown Ether Conjugates. *Angewandte Chemie - International Edition*, **1998**, 37, 2118-2121 16.4 73
- 529 Expanded Radialenes: A Novel Class of Cross-Conjugated Macrocycles. *Angewandte Chemie International Edition in English*, **1994**, 33, 468-471 73
- 528 Linear and Cyclic Platinum  $\pi$ -Acetylide Complexes of Tetraethynylethene. *Chemistry - A European Journal*, **1995**, 1, 111-117 4.8 73
- 527 The [2+2] Cycloaddition-Retroelectrocyclization (CA-RE) Click Reaction: Facile Access to Molecular and Polymeric Push-Pull Chromophores. *Angewandte Chemie - International Edition*, **2018**, 57, 3552-3577 16.4 72
- 526 Supramolecular synthons on surfaces: controlling dimensionality and periodicity of tetraarylporphyrin assemblies by the interplay of cyano and alkoxy substituents. *Chemistry - A European Journal*, **2008**, 14, 5794-802 4.8 72
- 525 Regio- and stereoselective tether-directed remote functionalization of C60 with derivatives of the Tröger base. *Angewandte Chemie - International Edition*, **2004**, 43, 1738-40 16.4 72
- 524 Conformational analysis in solution of C(2)-symmetric 1, 1'-binaphthyl derivatives by circular dichroism spectroscopy and cholesteric induction in nematic mesophases. *Journal of Organic Chemistry*, **2000**, 65, 5522-7 4.2 72
- 523 Tetraethynylethene. *Angewandte Chemie International Edition in English*, **1991**, 30, 698-700 72
- 522 Cation- $\pi$  interactions at the active site of factor Xa: dramatic enhancement upon stepwise N-alkylation of ammonium ions. *Angewandte Chemie - International Edition*, **2009**, 48, 811-4 16.4 71
- 521 Tetrakis(phenylamidinium)-Substituted Resorcin[4]arene Receptors for the Complexation of Dicarboxylates and Phosphates in Protic Solvents. *Helvetica Chimica Acta*, **2000**, 83, 93-113 2 71
- 520 Spacer-kontrollierte Fernfunktionalisierung von Buckminsterfullerenen: regiospezifische Bildung eines Hexaadduktes. *Angewandte Chemie*, **1994**, 106, 2434-2437 3.6 70
- 519 Solubilized Derivatives of C195 and C260: The First Members of a New Class of Carbon Allotropes Cn(60 + 5). *Angewandte Chemie International Edition in English*, **1995**, 34, 1466-1469 70
- 518 Redox-switchable resorcin[4]arene cavitands: molecular grippers. *Journal of the American Chemical Society*, **2012**, 134, 14702-5 16.4 69
- 517 Molecular Recognition of Pyranosides by a Family of Trimeric, 1,1'-Binaphthalene-Derived Cyclophane Receptors. *Helvetica Chimica Acta*, **1998**, 81, 1931-1963 2 69
- 516 A Weak Attractive Interaction between Organic Fluorine and an Amide Group. *Angewandte Chemie*, **2004**, 116, 5166-5169 3.6 69
- 515 . *Chemistry - A European Journal*, **2000**, 6, 1629-1645 4.8 69
- 514 Conformational behavior of pyrazine-bridged and mixed-bridged cavitands: a general model for solvent effects on thermal "vase-kite" switching. *Chemistry - A European Journal*, **2006**, 12, 4775-84 4.8 68

|     |                                                                                                                                                                                                                                                                                                                                                                        |      |    |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 513 | Dendritic Iron(II) Porphyrins as Models for Hemoglobin and Myoglobin: Specific Stabilization of O <sub>2</sub> Complexes in Dendrimers with H-Bond-Donor Centers. <i>Helvetica Chimica Acta</i> , <b>2002</b> , 85, 333-351                                                                                                                                            | 2    | 68 |
| 512 | Self-assembly, DNA complexation, and pH response of amphiphilic dendrimers for gene transfection. <i>Langmuir</i> , <b>2007</b> , 23, 737-46                                                                                                                                                                                                                           | 4    | 67 |
| 511 | NMR Investigations into the Vase-Kite Conformational Switching of Resorcin[4]arene Cavitands. <i>Helvetica Chimica Acta</i> , <b>2004</b> , 87, 449-462                                                                                                                                                                                                                | 2    | 67 |
| 510 | Molecular Clefs Derived from 9,9'-spirobi[9H-fluorene] for enantioselective complexation of pyranosides and dicarboxylic acids. <i>Helvetica Chimica Acta</i> , <b>1995</b> , 78, 367-390                                                                                                                                                                              | 2    | 67 |
| 509 | Benzoide versus annulenoide Aromatizität: Synthese und Eigenschaften des Kekulens. <i>Angewandte Chemie</i> , <b>1978</b> , 90, 383-385                                                                                                                                                                                                                                | 3.6  | 67 |
| 508 | A Fluorine Scan of Thrombin Inhibitors to Map the Fluorophilicity/Fluorophobicity of an Enzyme Active Site: Evidence for C-F...C=O Interactions. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 2611-2615                                                                                                                                                               | 3.6  | 66 |
| 507 | Oligoporphyrin Arrays Conjugated to [60]Fullerene: Preparation, NMR Analysis, and Photophysical and Electrochemical Properties. <i>Helvetica Chimica Acta</i> , <b>2005</b> , 88, 1839-1884                                                                                                                                                                            | 2    | 66 |
| 506 | Photophysical and electrochemical properties of meso, meso-linked oligoporphyrin rods with appended fullerene terminals. <i>ChemPhysChem</i> , <b>2005</b> , 6, 732-43                                                                                                                                                                                                 | 3.2  | 66 |
| 505 | Stable Soluble Conjugated Carbon Rods with a Persilylethynylated Polytriacetylene Backbone. <i>Angewandte Chemie International Edition in English</i> , <b>1994</b> , 33, 763-766                                                                                                                                                                                      |      | 66 |
| 504 | Multiple Cyclopropanations of C <sub>70</sub> . Synthesis and characterization of bis-, tris-, and tetrakis-adducts and chiroptical properties of bis-adducts with chiral addends, including a recommendation for the configurational description of fullerene derivatives with a chiral addition pattern. <i>Helvetica Chimica Acta</i> , <b>1995</b> , 78, 1673-1704 | 2    | 66 |
| 503 | Amplification of chirality in monodisperse, enantiopure alleno-acetylenic oligomers. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 2247-50                                                                                                                                                                                                      | 16.4 | 65 |
| 502 | Donor-substituted cyanoethynylethenes: powerful chromophores for opto-electronic applications. <i>Organic and Biomolecular Chemistry</i> , <b>2003</b> , 1, 2032-4                                                                                                                                                                                                     | 3.9  | 65 |
| 501 | Donor/Acceptor-Substituted Tetraethynylethenes: Systematic Assembly of Molecules for Use as Advanced Materials. <i>Helvetica Chimica Acta</i> , <b>1996</b> , 79, 2249-2281                                                                                                                                                                                            | 2    | 65 |
| 500 | Synthesis of the helicopodands: novel shapes for chiral clefs. <i>Journal of Organic Chemistry</i> , <b>1991</b> , 56, 6787-6795                                                                                                                                                                                                                                       | 4.2  | 65 |
| 499 | Shape-persistent chiral alleno-acetylenic macrocycles and cyclophanes by acetylenic scaffolding with 1,3-diethynylallenes. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 5074-8                                                                                                                                                                 | 16.4 | 64 |
| 498 | Synthesis of Novel Nonpeptidic Thrombin Inhibitors. <i>Helvetica Chimica Acta</i> , <b>2000</b> , 83, 855-909                                                                                                                                                                                                                                                          | 2    | 64 |
| 497 | Selective Extraction of C by a Tetragonal Prismatic Porphyrin Cage. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 13835-13842                                                                                                                                                                                                                   | 16.4 | 64 |
| 496 | Substituent Effects in Parallel-Displaced $\pi$ -Stacking Interactions: Distance Matters. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 11252-11257                                                                                                                                                                                             | 16.4 | 63 |

- 495 Donor-Substituted Perethynylated Dehydroannulenes and Radiaannulenes: Acetylenic Carbon Sheets Featuring Intense Intramolecular Charge Transfer. *Helvetica Chimica Acta*, **2004**, 87, 1130-1157 2 63
- 494 Acyclic Tetraethynylethene Molecular Scaffolding: Multinanometer-sized linearly conjugated rods with the poly(triacetylene) backbone and cross-conjugated expanded dendralenes. *Helvetica Chimica Acta*, **1995**, 78, 779-796 2 63
- 493 Efficient stacking on protein amide fragments. *ChemMedChem*, **2013**, 8, 397-404 3.7 62
- 492 Thiazolopyrimidine inhibitors of 2-methylerythritol 2,4-cyclodiphosphate synthase (IspF) from *Mycobacterium tuberculosis* and *Plasmodium falciparum*. *ChemMedChem*, **2010**, 5, 1092-101 3.7 61
- 491 Highly efficient third-order optical nonlinearities in donor-substituted cyanoethynylethene molecules. *Optics Letters*, **2005**, 30, 3057-9 3 61
- 490 Cross-Coupling of Organyl Halides with Alkenes: the Heck Reaction 217-315 61
- 489 Synthesis of trans-1, trans-2, trans-3, and trans-4 bisadducts of C60 by regio- and stereoselective tether-directed remote functionalization. *Chemistry - A European Journal*, **2005**, 11, 2284-94 4.8 61
- 488 Structural, optical, and electrochemical properties of three-dimensional push-pull corannulenes. *Journal of Organic Chemistry*, **2012**, 77, 11014-26 4.2 60
- 487 Configurational Description of Chiral Fullerenes and Fullerene Derivatives with a Chiral Functionalization Pattern. *Helvetica Chimica Acta*, **1997**, 80, 183-199 2 60
- 486 Pt-tetraethynylethene molecular scaffolding: synthesis and characterization of a novel class of organometallic molecular rods. *Chemistry - A European Journal*, **2001**, 7, 1333-41 4.8 59
- 485 The self-assembly of fullerene-containing [2]pseudorotaxanes: formation of a supramolecular C60 dimer. *Journal of the Chemical Society Perkin Transactions II*, **1999**, 1577-1586 59
- 484 Dendrophanes: Novel Steroid-Recognizing Dendritic Receptors. Preliminary Communication. *Helvetica Chimica Acta*, **1996**, 79, 779-788 2 59
- 483 New Push-Pull Chromophores Featuring TCAQ (11,11,12,12-Tetracyano-9,10-anthraquinodimethane) and Other Dicyanovinyl Acceptors. *European Journal of Organic Chemistry*, **2008**, 2008, 994-1004 3.2 58
- 482 Redox Properties of Linear and Cyclic Scaffolds Based on Di- and Tetraethynylethene. *European Journal of Organic Chemistry*, **2004**, 2004, 2959-2972 3.2 58
- 481 Solvatochromism as an efficient tool to study N,N-dimethylamino- and cyano-substituted  $\pi$ -conjugated molecules with an intramolecular charge-transfer absorption. *Journal of Physical Organic Chemistry*, **2011**, 24, 274-281 2.1 57
- 480 Dendritic rods with a poly(triacetylene) backbone: insulated molecular wires. *Chemical Communications*, **1998**, 1013-1014 5.8 57
- 479 Structure-based design, synthesis, and in vitro evaluation of bisubstrate inhibitors for catechol O-methyltransferase (COMT). *Chemistry - A European Journal*, **2000**, 6, 971-82 4.8 57
- 478 Cyclic and Linear Acetylenic Molecular Scaffolding. *Topics in Current Chemistry*, **1999**, 43-79 57

|     |                                                                                                                                                                                                                                                                            |      |    |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 477 | Homochiral [2]Catenane and Bis[2]catenane from Allen-Allen Acetylenic Helicates - A Highly Selective Narcissistic Self-Sorting Process. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 12502-5                                                       | 16.4 | 56 |
| 476 | 1,3-Diethynylallenes (DEAs): enantioselective synthesis, absolute configuration, and chiral induction in 1,1,4,4-tetracyanobuta-1,3-dienes (TCBDs). <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 10564-8                                                      | 4.8  | 56 |
| 475 | Macrocyclic Tetraethynylethene Molecular Scaffolding: Perethynylated aromatic dodecahydro[18]annulenes, antiaromatic octadecahydro[12]annulenes, and expanded radialenes. <i>Helvetica Chimica Acta</i> , <b>1995</b> , 78, 797-817                                        | 2    | 56 |
| 474 | Adsorption and dynamics of long-range interacting fullerenes in a flexible, two-dimensional, nanoporous porphyrin network. <i>ChemPhysChem</i> , <b>2006</b> , 7, 1462-70                                                                                                  | 3.2  | 55 |
| 473 | Walk on the Sphere: Electrochemically Induced Isomerization of C60 Bis-adducts by Migration of Di(alkoxycarbonyl)methano Bridges. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 8545-8546                                                           | 16.4 | 55 |
| 472 | The Higher Fullerenes: Covalent Chemistry and Chirality. <i>Topics in Current Chemistry</i> , <b>1999</b> , 135-171                                                                                                                                                        |      | 55 |
| 471 | Diaryl sulfide-based inhibitors of trypanothione reductase: inhibition potency, revised binding mode and antiprotozoal activities. <i>Organic and Biomolecular Chemistry</i> , <b>2008</b> , 6, 3935-47                                                                    | 3.9  | 54 |
| 470 | Zn(II)-induced conformational control of amphiphilic cavitands in langmuir monolayers. <i>Chemical Communications</i> , <b>2004</b> , 1362-3                                                                                                                               | 5.8  | 54 |
| 469 | Solvent Effects in Molecular Recognition.. <i>Acta Chemica Scandinavica</i> , <b>1992</b> , 46, 205-215                                                                                                                                                                    |      | 54 |
| 468 | Sub-Picosecond Singlet Exciton Fission in Cyano-Substituted Diaryltetracenes. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 8679-83                                                                                                                 | 16.4 | 53 |
| 467 | Novel extended tetrathiafulvalenes based on acetylenic spacers: synthesis and electronic properties. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 3601-13                                                                                                      | 4.8  | 53 |
| 466 | Insulated Molecular Wires: Dendritic Encapsulation of Poly(triacetylene) Oligomers, Attempted Dendritic Stabilization of Novel Poly(pentaacetylene) Oligomers, and an Organometallic Approach to Dendritic Rods. <i>Helvetica Chimica Acta</i> , <b>2001</b> , 84, 296-334 | 2    | 53 |
| 465 | Regio- und diastereoselektive Bisfunktionalisierung von C60-Fulleren und enantioselective Synthese eines C60-Fullerenderivates mit chiralem Additionsmuster. <i>Angewandte Chemie</i> , <b>1996</b> , 108, 2242-2244                                                       | 3.6  | 53 |
| 464 | Polytriacetylenes: Conjugated polymers with a novel all-carbon backbone. <i>Advanced Materials</i> , <b>1994</b> , 6, 786-790                                                                                                                                              | 24   | 53 |
| 463 | Donor-acceptor (D-A)-substituted polyene chromophores: modulation of their optoelectronic properties by varying the length of the acetylene spacer. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 12693-704                                                    | 4.8  | 52 |
| 462 | New donor-acceptor chromophores by formal [2+2] cycloaddition of donor-substituted alkynes to dicyanovinyl derivatives. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 1312-22                                                                               | 3.9  | 52 |
| 461 | Self-Assembly of the First Fullerene-Containing [2]Catenane. <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 1448-1451                                                                                                                       |      | 52 |
| 460 | Thermotropic behaviour of covalent fullerene adducts displaying 4-cyano-4'-oxybiphenyl mesogens. <i>Perkin Transactions II RSC</i> , <b>2000</b> , 193-198                                                                                                                 |      | 52 |



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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 459 | Cyclophane-Type Fullerene-dibenzo[18]crown-6 Conjugates with trans-1, trans-2, and trans-3 Addition Patterns: Regioselective Templated Synthesis, X-Ray Crystal Structure, Ionophoric Properties, and Cation-Complexation-Dependent Redox Behavior. <i>Helvetica Chimica Acta</i> , <b>1999</b> , 82, 1572-1595 | 2    | 52 |
| 458 | Dendritische Porphyrine: Modulation des Redoxpotentials elektroaktiver Chromophore durch periphere Multifunktionalität. <i>Angewandte Chemie</i> , <b>1994</b> , 106, 1821-1824                                                                                                                                 | 3.6  | 52 |
| 457 | Chalcogen Bonding "2S-2N Squares" versus Competing Interactions: Exploring the Recognition Properties of Sulfur. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 323-333                                                                                                                              | 4.8  | 52 |
| 456 | Structures and properties of molecular torsion balances to decipher the nature of substituent effects on the aromatic edge-to-face interaction. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 4608-16                                                                                               | 4.8  | 51 |
| 455 | A fluorine scan at the catalytic center of thrombin: C-F, C-OH, and C-OMe bioisosterism and fluorine effects on pKa and log D values. <i>ChemMedChem</i> , <b>2006</b> , 1, 611-21                                                                                                                              | 3.7  | 51 |
| 454 | Crystal structures of tRNA-guanine transglycosylase (TGT) in complex with novel and potent inhibitors unravel pronounced induced-fit adaptations and suggest dimer formation upon substrate binding. <i>Journal of Molecular Biology</i> , <b>2007</b> , 370, 492-511                                           | 6.5  | 51 |
| 453 | X-ray Crystal Structure of a Bisubstrate Inhibitor Bound to the Enzyme Catechol-O-methyltransferase: A Dramatic Effect of Inhibitor Preorganization on Binding Affinity. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 4040-4042                                                         | 16.4 | 51 |
| 452 | Proton NMR investigations of host-guest complexation between a macrocyclic host of the cyclophane type and aromatic guests in aqueous solution. <i>Journal of the American Chemical Society</i> , <b>1984</b> , 106, 8037-8046                                                                                  | 16.4 | 51 |
| 451 | Chirality transfer in 1D self-assemblies: influence of H-bonding vs metal coordination between dicyano[7]helicene enantiomers. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 15270-3                                                                                                     | 16.4 | 50 |
| 450 | Donor-substituted octacyano[4]dendralenes: a new class of cyano-rich non-planar organic acceptors. <i>Chemical Science</i> , <b>2011</b> , 2, 88-93                                                                                                                                                             | 9.4  | 50 |
| 449 | Cyanoethynylethenes: a class of powerful electron acceptors for molecular scaffolding. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 3044-7                                                                                                                                              | 16.4 | 50 |
| 448 | Dendritic Iron Porphyrins with a Tethered Axial Ligand as New Model Compounds for Heme Monooxygenases. <i>Helvetica Chimica Acta</i> , <b>2002</b> , 85, 599-617                                                                                                                                                | 2    | 50 |
| 447 | 1,3-Diethynylallenes: Carbon-Rich Modules for Three-Dimensional Acetylenic Scaffolding. <i>Helvetica Chimica Acta</i> , <b>2002</b> , 85, 3052-3077                                                                                                                                                             | 2    | 50 |
| 446 | Monodisperse poly(triacetylene) oligomers extending from monomer to hexadecamer: joint experimental and theoretical investigation of physical properties. <i>Chemistry - A European Journal</i> , <b>2000</b> , 6, 3622-35                                                                                      | 4.8  | 50 |
| 445 | Tetrakis(trialkylsilylethynyl)butatriene and 1,1,4,4-Tetrakis(trialkylsilylethynyl)-1,3-butadiene: Novel Cross-Conjugated Chromophores. <i>Angewandte Chemie International Edition in English</i> , <b>1993</b> , 32, 1187-1189                                                                                 |      | 50 |
| 444 | Switching the regioselectivity in cycloaddition-retro-electrocyclizations between donor-activated alkynes and the electron-accepting olefins TCNE and TCNQ. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 396-401                                                                                      | 4.5  | 49 |
| 443 | Effects of structural modification on gene transfection and self-assembling properties of amphiphilic dendrimers. <i>Organic and Biomolecular Chemistry</i> , <b>2006</b> , 4, 766-9                                                                                                                            | 3.9  | 49 |
| 442 | Quinone-based, redox-active resorcin[4]arene cavitands. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 262-6                                                                                                                                                                              | 16.4 | 48 |



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|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 441 | Enantiomerically pure alleno-acetylenic macrocycles: synthesis, solid-state structures, chiroptical properties, and electron localization function analysis. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 9796-807                                                                   | 4.8  | 48 |
| 440 | Charge-Transfer-Chromophore durch Cycloaddition-Retro-Elektrocyclisierung: multivalente Systeme und Kaskadenreaktionen. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 6473-6477                                                                                                                   | 3.6  | 48 |
| 439 | One-electron-reduced and -oxidized stages of donor-substituted 1,1,4,4-tetracyanobuta-1,3-dienes of different molecular architectures. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 7638-47                                                                                          | 4.8  | 48 |
| 438 | Supramolecular Patterned Surfaces Driven by Cooperative Assembly of C60 and Porphyrins on Metal Substrates. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 4863-4867                                                                                                                               | 3.6  | 48 |
| 437 | Hexakis(trimethylsilylethynyl)[3]radialene: A Carbon-Rich Chromophore with Unusual Electronic Properties. <i>Angewandte Chemie International Edition in English</i> , <b>1995</b> , 34, 805-809                                                                                                   |      | 48 |
| 436 | Pseudilins: halogenated, allosteric inhibitors of the non-mevalonate pathway enzyme IspD. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 2235-9                                                                                                                             | 16.4 | 47 |
| 435 | Tetrathiafulvalene (TTF)-Bridged Resorcin[4]arene Cavitands: Towards New Electrochemical Molecular Switches. <i>Helvetica Chimica Acta</i> , <b>2006</b> , 89, 2040-2057                                                                                                                          | 2    | 47 |
| 434 | The Directed ortho-Metallation (DoM) Cross-Coupling Nexus. Synthetic Methodology for the Formation of Aryl-Aryl and Aryl-Heteroatom-Aryl Bonds                                                                                                                                                    |      | 47 |
| 433 | Computer Simulations of the Solvent Dependence of Apolar Association Strength: Gibbs Free Energy Calculations on a CyclophaneByrene Complex in Water and Chloroform. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 6044-6051                                               | 16.4 | 47 |
| 432 | Electrochemically Induced Retro-Cyclopropanation Reactions. <i>European Journal of Organic Chemistry</i> , <b>2004</b> , 2004, 2299-2316                                                                                                                                                          | 3.2  | 46 |
| 431 | Organosilicon Compounds in Cross-Coupling Reactions                                                                                                                                                                                                                                               |      | 46 |
| 430 | Bisubstrate inhibitors for the enzyme catechol-O-methyltransferase (COMT): influence of inhibitor preorganisation and linker length between the two substrate moieties on binding affinity. <i>Organic and Biomolecular Chemistry</i> , <b>2003</b> , 1, 42-9                                     | 3.9  | 46 |
| 429 | 6,6-Dicyanopentafulvenes: electronic structure and regioselectivity in [2 + 2] cycloaddition-retroelectrocyclization reactions. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 18139-46                                                                                     | 16.4 | 45 |
| 428 | Electron Donor-Acceptor Interactions in Host-Guest Complexes in Organic Solutions. <i>Angewandte Chemie International Edition in English</i> , <b>1986</b> , 25, 1127-1129                                                                                                                        |      | 45 |
| 427 | Chiroptical detection of nonchromophoric, achiral guests by enantiopure alleno-acetylenic helicages. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 13614-8                                                                                                                 | 16.4 | 44 |
| 426 | Molecular recognition at the active site of factor Xa: cation-π interactions, stacking on planar peptide surfaces, and replacement of structural water. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 213-22                                                                          | 4.8  | 44 |
| 425 | Mechanistic investigation of the dipolar [2+2] cycloaddition-cycloreversion reaction between 4-(N,N-dimethylamino)phenylacetylene and arylated 1,1-dicyanovinyl derivatives to form intramolecular charge-transfer chromophores. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 202-11 | 4.8  | 44 |
| 424 | Optical stability of axially chiral push-pull-substituted buta-1,3-dienes: effect of a single methyl group on the C60 surface. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 3532-5                                                                                        | 16.4 | 44 |

|     |                                                                                                                                                                                                                                                                                |      |    |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 423 | Homoconjugated push-pull and spiro systems: intramolecular charge-transfer interactions and third-order optical nonlinearities. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 6207-11                                                                   | 16.4 | 44 |
| 422 | Substituent effects on the aromatic edge-to-face interaction. <i>Chemical Communications</i> , <b>2008</b> , 4031-3                                                                                                                                                            | 5.8  | 44 |
| 421 | Synthesis and Conformational Switching of Partially and Differentially Bridged Resorcin[4]arenes Bearing Fluorescent Dye Labels. Preliminary Communication. <i>Helvetica Chimica Acta</i> , <b>2003</b> , 86, 2149-2155                                                        | 5.3  | 44 |
| 420 | Geometrical optimisation of 1,1'-binaphthalene receptors for enantioselective molecular recognition of excitatory amino acid derivatives. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1998</b> , 747-762                                                |      | 44 |
| 419 | Expanding the chemical space for push-pull chromophores by non-concerted [2+2] and [4+2] cycloadditions: access to a highly functionalised 6,6-dicyanopentafulvene with an intense, low-energy charge-transfer band. <i>Chemical Communications</i> , <b>2011</b> , 47, 4520-2 | 5.8  | 43 |
| 418 | Proaromaticity: organic charge-transfer chromophores with small HOMO-LUMO gaps. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 9592-605                                                                                                                             | 4.8  | 43 |
| 417 | Conjugation and optoelectronic properties of acetylenic scaffolds and charge-transfer chromophores. <i>Pure and Applied Chemistry</i> , <b>2008</b> , 80, 411-427                                                                                                              | 2.1  | 43 |
| 416 | Exploring the flap pocket of the antimalarial target plasmepsin II: the "55 % rule" applied to enzymes. <i>ChemMedChem</i> , <b>2008</b> , 3, 237-40                                                                                                                           | 3.7  | 43 |
| 415 | Expanded cubane: synthesis of a cage compound with a C <sub>56</sub> core by acetylenic scaffolding and gas-phase transformations into fullerenes. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 4339-43                                                | 16.4 | 43 |
| 414 | A New Family of C <sub>3</sub> -Symmetrical Carbohydrate Receptors. <i>Helvetica Chimica Acta</i> , <b>2003</b> , 86, 494-503                                                                                                                                                  | 2    | 43 |
| 413 | Amphiphilic Dendrimers: Novel Self-Assembling Vectors for Efficient Gene Delivery. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 1524-1528                                                                                                                                     | 3.6  | 43 |
| 412 | Fullerene-Acetylene Molecular Scaffolding: Chemistry of 2-functionalized 1-ethynylated C <sub>60</sub> , oxidative homocoupling, hexakis-adduct formation, and attempted synthesis of C. <i>Helvetica Chimica Acta</i> , <b>1996</b> , 79, 6-20                                | 2    | 43 |
| 411 | The X-Ray Crystal Structure and Packing of a Hexakis-adduct of C <sub>60</sub> : Temperature dependence of weak C <sup>+</sup> H <sup>+</sup> O interactions. <i>Helvetica Chimica Acta</i> , <b>1996</b> , 79, 1047-1058                                                      | 2    | 43 |
| 410 | Design of Novel, Nonpeptidic Thrombin Inhibitors and Structure of a Thrombin Inhibitor Complex. <i>Angewandte Chemie International Edition in English</i> , <b>1995</b> , 34, 1739-1742                                                                                        |      | 43 |
| 409 | Enantioselective Complexation of Chiral Dicarboxylic Acids in Clefs of Functionalized 9,9'-Spirobifluorenes. <i>Angewandte Chemie International Edition in English</i> , <b>1992</b> , 31, 1521-1523                                                                           |      | 43 |
| 408 | Tuning and predicting biological affinity: aryl nitriles as cysteine protease inhibitors. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 5764-8                                                                                                                 | 3.9  | 42 |
| 407 | Potent inhibitors of tRNA-guanine transglycosylase, an enzyme linked to the pathogenicity of the <i>Shigella</i> bacterium: charge-assisted hydrogen bonding. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 8266-9                                      | 16.4 | 42 |
| 406 | Synthesis and characteristics of a nonaggregating tris(tetrathiafulvaleno)dodecadehydro[18]annulene. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 8451-9                                                                                                          | 4.8  | 42 |

|     |                                                                                                                                                                                                                                                                |      |    |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 405 | Dendritic, 1,1'-Binaphthalene-Derived Cleft-Type Receptors (Dendroclefts) for the Molecular Recognition of Pyranosides. <i>Helvetica Chimica Acta</i> , <b>2000</b> , 83, 1346-1376                                                                            | 2    | 42 |
| 404 | Monodisperse Poly(triacetylene) Rods: Synthesis of a 11.9 nm Long Molecular Wire and Direct Determination of the Effective Conjugation Length by UV/Vis and Raman Spectroscopies. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 817-821 | 16.4 | 42 |
| 403 | Eine neue Klasse chiraler, von 1,1'-Binaphthyl abgeleiteter Cyclophan-Rezeptoren: Komplexierung von Pyranosiden. <i>Angewandte Chemie</i> , <b>1995</b> , 107, 1722-1725                                                                                       | 3.6  | 42 |
| 402 | Water-soluble tetraoxa[n.1.n.1]paracyclophanes: Synthesis and host-guest interactions in aqueous solution. <i>Chemische Berichte</i> , <b>1985</b> , 118, 3588-3619                                                                                            |      | 42 |
| 401 | Inhibitors of the herbicidal target IspD: allosteric site binding. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 7931-5                                                                                                                 | 16.4 | 41 |
| 400 | Reversibly controllable guest binding in precisely defined cavities: selectivity, induced fit, and switching in novel resorcin[4]arene-based container molecules. <i>Tetrahedron</i> , <b>2008</b> , 64, 8307-8317                                             | 2.4  | 41 |
| 399 | Tether-directed remote functionalization of fullerenes C60 and C70. <i>Comptes Rendus Chimie</i> , <b>2006</b> , 9, 868-880                                                                                                                                    | 2.7  | 41 |
| 398 | Two-dimensional acetylenic scaffolding: extended donor-substituted perethynylated dehydroannulenes. <i>Chemistry - an Asian Journal</i> , <b>2006</b> , 1, 479-89                                                                                              | 4.5  | 41 |
| 397 | Limitations on the use of UV/Vis spectroscopy for the evaluation of conjugation effectiveness. <i>Organic and Biomolecular Chemistry</i> , <b>2004</b> , 2, 2263-6                                                                                             | 3.9  | 41 |
| 396 | Rebek imides and their adenine complexes: preferences for Hoogsteen binding in the solid state and in solution. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 118-29                                                                                | 4.8  | 41 |
| 395 | Cleft-Type Diamidinium Receptors for Dicarboxylate Binding in Protic Solvents. <i>Helvetica Chimica Acta</i> , <b>2000</b> , 83, 80-92                                                                                                                         | 2    | 41 |
| 394 | Donor-acceptor substituted tetraethynylethenes. <i>Advanced Materials</i> , <b>1996</b> , 8, 226-231                                                                                                                                                           | 24   | 41 |
| 393 | Steroid complexation by cyclophane receptors in aqueous solution: Substrate selectivity, enthalpic driving force for cavity inclusion, and enthalpy-entropy compensation. <i>Tetrahedron</i> , <b>1995</b> , 51, 401-421                                       | 2.4  | 41 |
| 392 | Novel Cross-Conjugated Compounds Derived from Tetraethynylethene. <i>Angewandte Chemie International Edition in English</i> , <b>1992</b> , 31, 1240-1242                                                                                                      |      | 41 |
| 391 | Optimization of triazine nitriles as rhodesain inhibitors: structure-activity relationships, bioisosteric imidazopyridine nitriles, and X-ray crystal structure analysis with human cathepsin L. <i>ChemMedChem</i> , <b>2013</b> , 8, 967-75                  | 3.7  | 40 |
| 390 | Nonphosphate inhibitors of IspE protein, a kinase in the non-mevalonate pathway for isoprenoid biosynthesis and a potential target for antimalarial therapy. <i>ChemMedChem</i> , <b>2007</b> , 2, 806-10                                                      | 3.7  | 40 |
| 389 | Synthesis of 1,4-Diethynyl- and 1,1,4,4-Tetraethynylbutatrienes. <i>Helvetica Chimica Acta</i> , <b>2004</b> , 87, 3085-3105                                                                                                                                   |      | 40 |
| 388 | Exceptional Redox and Photophysical Properties of a Triply Fused Diporphyrin[60] Conjugate: Novel Scaffolds for Multicharge Storage in Molecular Scale Electronics. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 5116-5120                                    | 3.6  | 40 |

- 387 Strong intramolecular chromophore interactions in novel bis([60]fullerene)-oligoporphyrin nanoarrays. *Chemical Communications*, **2002**, 2178-9 5.8 40
- 386 Absolute configuration of chiral fullerenes and covalent derivatives from their calculated circular dichroism spectra. *Journal of the Chemical Society Perkin Transactions II*, **1998**, 1719-1724 39
- 385 Molekulare Torsionswaagen: Anzeichen für attraktive orthogonale dipolare Wechselwirkungen zwischen organischem Fluor und Amidgruppen. *Angewandte Chemie*, **2007**, 119, 8418-8421 3.6 39
- 384 Supramolecular Fullerene Chemistry: A Comprehensive Study of Cyclophane-Type Mono- and Bis-Crown Ether Conjugates of C70. *Helvetica Chimica Acta*, **2002**, 85, 2009 2 39
- 383 Functionalized and Partially or Differentially Bridged Resorcin[4]arene Cavitands: Synthesis and Solid-State Structures. *Helvetica Chimica Acta*, **2003**, 86, 3648-3670 2 39
- 382 Aufbau formstabiler chiraler alleno-acetylenischer Makrocyclen und Cyclophane über Acetylenkupplungen mit 1,3-Diethynylallenen. *Angewandte Chemie*, **2005**, 117, 5203-5207 3.6 39
- 381 Ein neuer dreifacher chromophorer molekularer Schalter: pH- und lichtabhängige Schaltcyclen. *Angewandte Chemie*, **1999**, 111, 737-740 3.6 39
- 380 The X-Ray Crystal Structures of a 1,9- and a 7,8-Diels-Alder monoadduct of C70. *Helvetica Chimica Acta*, **1995**, 78, 344-354 2 39
- 379 Molecular Structure and Spectroscopic Properties of Kekulene. *Angewandte Chemie International Edition in English*, **1979**, 18, 699-701 39
- 378 Directed rotations of single porphyrin molecules controlled by localized force spectroscopy. *ACS Nano*, **2012**, 6, 6318-24 16.7 38
- 377 Porphyrin-[(E)-1,2-Diethynylethene] Scaffolding: Synthesis and Optical and Electrochemical Properties of Multinanometer-Sized Porphyrin Arrays. *Helvetica Chimica Acta*, **1998**, 81, 1964-1977 2 38
- 376 Fluorescent inhibitors for IspF, an enzyme in the non-mevalonate pathway for isoprenoid biosynthesis and a potential target for antimalarial therapy. *Angewandte Chemie - International Edition*, **2006**, 45, 1069-74 16.4 38
- 375 Inclusion of methano[60]fullerene derivatives in cavitand-based coordination cages. *Tetrahedron*, **2006**, 62, 2008-2015 2.4 38
- 374 Dendritic Iron Porphyrins with Tethered Axial Ligands: New Model Compounds for Cytochromes. *Helvetica Chimica Acta*, **2002**, 85, 571-598 2 38
- 373 Aromaticity and electron affinity of Carbo(k)-[3]radialenes, k=0, 1, 2. *Chemistry - A European Journal*, **2003**, 9, 5056-66 4.8 38
- 372 Preparation of Tröger Base Derivatives by Cross-Coupling Methodologies. *Helvetica Chimica Acta*, **2005**, 88, 2333-2344 2 38
- 371 1,3-Diethynylallenes: New Modules for Three-Dimensional Acetylenic Scaffolding. *Angewandte Chemie - International Edition*, **2001**, 40, 2334-2337 16.4 38
- 370 Optically Active Macrocyclic cis-3 Bis-Adducts of C60: Regio- and Stereoselective Synthesis, Exciton Chirality Coupling, and Determination of the Absolute Configuration, and First Observation of Exciton Coupling between Fullerene Chromophores in a Chiral Environment. *Helvetica Chimica Acta*, **2000**, 83, 3069-3086 2 38

- 369 Selective electrolytic removal of bis(alkoxycarbonyl)methano addends from C60 bis-adducts and electrochemical stability of C70 derivatives. *Chemistry - A European Journal*, **2000**, 6, 2184-92 4.8 38
- 368 Wasserlösliche dendritische Eisenporphyrine: synthetische Modelle für globuläre Häm-Proteine. *Angewandte Chemie*, **1995**, 107, 2906-2909 3.6 38
- 367 Tetraethynylethen. *Angewandte Chemie*, **1991**, 103, 708-710 3.6 38
- 366 Intense Ground-State Charge-Transfer Interactions in Low-Bandgap, Panchromatic Phthalocyanine-Tetracyanobuta-1,3-diene Conjugates. *Angewandte Chemie - International Edition*, **2016**, 55, 5560-4 16.4 38
- 365 Electronically Connected [n]Helicenes: Synthesis and Chiroptical Properties of Enantiomerically Pure (E)-1,2-Di([6]helicen-2-yl)ethenes. *European Journal of Organic Chemistry*, **2013**, 2013, 3223-3231 3.2 37
- 364 Cycloalkane and alicyclic heterocycle complexation by new switchable resorcin[4]arene-based container molecules: NMR and ITC binding studies. *Chemistry - A European Journal*, **2011**, 17, 12362-71 4.8 37
- 363 Catalytic Cyclophanes. Part XI. A flavo-thiazolio-cyclophane as a biomimetic catalyst for the preparative-scale electro-oxidation of aromatic aldehydes to methyl esters. *Helvetica Chimica Acta*, **1997**, 80, 1555-1588 2 37
- 362 One- and Two-Dimensionally Conjugated Tetraethynylethenes: Structure versus Second-Order Optical Polarizabilities. *Journal of Physical Chemistry B*, **1998**, 102, 29-32 3.4 37
- 361 40 years of supramolecular chemistry. *Angewandte Chemie - International Edition*, **2007**, 46, 68-9 16.4 37
- 360 Regio- and diastereoselective synthesis of bis- and tetrakisadducts of C70 by directed remote functionalization using Tröger base tethers. *Chemistry - A European Journal*, **2006**, 12, 3463-71 4.8 37
- 359 Palladium- or Nickel-Catalyzed Cross-Coupling with Organometals Containing Zinc, Aluminum, and Zirconium: The Negishi Coupling 815-889 37
- 358 Halogenverbrückte molekulare Kapseln. *Angewandte Chemie*, **2015**, 127, 12516-12521 3.6 36
- 357 Ein enantiomerenreiner alleno-acetylenischer Makrocyclus: Synthese und Interpretation seiner herausragenden chiroptischen Eigenschaften. *Angewandte Chemie*, **2009**, 121, 5653-5656 3.6 36
- 356 Containermoleküle mit Portalen: reversibel schaltbare Cycloalkan-Komplexierung. *Angewandte Chemie*, **2007**, 119, 264-268 3.6 36
- 355 Expandierte Radialene: Eine neue Klasse kreuzkonjugierter Makrocyclen. *Angewandte Chemie*, **1994**, 106, 482-485 3.6 36
- 354 Inhibition of the Cysteine Protease Human Cathepsin L by Triazine Nitriles: Amide-Heteroarene Stacking Interactions and Chalcogen Bonding in the S3 Pocket. *ChemMedChem*, **2017**, 12, 257-270 3.7 35
- 353 Evaluation of hydrogen-bond acceptors for redox-switchable resorcin[4]arene cavitands. *Journal of the American Chemical Society*, **2014**, 136, 3852-8 16.4 35
- 352 Chiral induction from allenes into twisted 1,1,4,4-tetracyanobuta-1,3-dienes (TCBDs): conformational assignment by circular dichroism spectroscopy. *Chemistry - A European Journal*, **2009**, 15, 8396-400 4.8 35



- 351 Molecular recognition at the active site of catechol-o-methyltransferase: energetically favorable replacement of a water molecule imported by a bisubstrate inhibitor. *Angewandte Chemie - International Edition*, **2009**, 48, 9092-6 16.4 35
- 350 Cryogenic 35GHz pulse ENDOR probehead accommodating large sample sizes: Performance and applications. *Journal of Magnetic Resonance*, **2009**, 200, 81-7 3 35
- 349 Tetraethynylethene molecular scaffolding: Nonlinear optical, redox, and amphiphilic properties of donor functionalized polytriacetylene and expanded radialenes. *Advanced Materials*, **1997**, 9, 339-343 24 35
- 348 Inhibitors of the kinase IspE: structure-activity relationships and co-crystal structure analysis. *Organic and Biomolecular Chemistry*, **2008**, 6, 2719-30 3.9 35
- 347 Cross-Coupling Reactions to sp Carbon Atoms 317-394 35
- 346 The art of acetylenic scaffolding: rings, rods, and switches. *Chemical Record*, **2002**, 2, 189-98 6.6 35
- 345 Regioselective one-step synthesis of trans-3,trans-3,trans-3 and e,e,e [60]fullerene tris-adducts directed by a C3-symmetrical cyclotrimeratrylene tether. *Chemical Communications*, **1999**, 1121-1122 5.8 35
- 344 Läßliche Derivate von C195 und C260: die ersten Verbindungen einer neuen Klasse von Kohlenstoffallotropen Cn(60 + 5). *Angewandte Chemie*, **1995**, 107, 1636-1639 3.6 35
- 343 Synthesis and optoelectronic properties of Janus-dendrimer-type multivalent donor-acceptor systems. *Journal of Organic Chemistry*, **2015**, 80, 882-96 4.2 34
- 342 Binding to large enzyme pockets: small-molecule inhibitors of trypanothione reductase. *ChemMedChem*, **2014**, 9, 1880-91 3.7 34
- 341 New organofluorine building blocks: inhibition of the malarial aspartic proteases plasmepsin II and IV by alicyclic alpha,alpha-difluoroketone hydrates. *Organic and Biomolecular Chemistry*, **2009**, 7, 3947-57 3.9 34
- 340 FRET studies on a series of BODIPY-dye-labeled switchable resorcin[4]arene cavitands. *Chemistry - A European Journal*, **2010**, 16, 12590-602 4.8 34
- 339 New Cyclophanes as Initiator Cores for the Construction of Dendritic Receptors: Host-guest complexation in aqueous solutions and structures of solid-state inclusion compounds. *Helvetica Chimica Acta*, **1997**, 80, 2368-2390 2 34
- 338 A Supramolecular Multiposition Rotary Device. *Angewandte Chemie*, **2007**, 119, 4167-4170 3.6 34
- 337 Carbometallation Reactions 395-478 34
- 336 Inhibitors of plasmodial serine hydroxymethyltransferase (SHMT): cocrystal structures of pyrazolopyrans with potent blood- and liver-stage activities. *Journal of Medicinal Chemistry*, **2015**, 58, 3117-30 8.3 33
- 335 Cyanobuta-1,3-dienes as novel electron acceptors for photoactive multicomponent systems. *Chemistry - A European Journal*, **2014**, 20, 202-16 4.8 33
- 334 Bioconjugates to specifically render inhibitors water-soluble. *Soft Matter*, **2010**, 6, 88-91 3.6 33



|     |                                                                                                                                                                                                                                                                                    |      |    |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 333 | Chiral and Achiral Charge-Transfer Chromophores with a Dendralene-Type Backbone by Electronically Controlled Cycloaddition/Cycloreversion Cascades. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 2487-2503                                                   | 3.2  | 33 |
| 332 | Die kovalente Chemie der höheren Fullere: C70 und jenseits davon. <i>Angewandte Chemie</i> , <b>1997</b> , 109, 2362-2374                                                                                                                                                          | 3.6  | 33 |
| 331 | Bestimmung der Länge von bis zu 2.8 nm langen TEMPO-Diradikalen mit einem neuen Vier-Puls-Doppel-Elektron-Elektron-Resonanz-Experiment. <i>Angewandte Chemie</i> , <b>1998</b> , 110, 2993-2998                                                                                    | 3.6  | 33 |
| 330 | Molekulare Erkennung von Phosphaten in der Strukturbiologie. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 342-357                                                                                                                                                                 | 3.6  | 33 |
| 329 | De Novo design, synthesis, and in vitro evaluation of a new class of nonpeptidic inhibitors of the malarial enzyme plasmepsin II. <i>ChemBioChem</i> , <b>2002</b> , 3, 1137-41                                                                                                    | 3.8  | 33 |
| 328 | Interactions with Aromatic Rings in Chemical and Biological Recognition. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 4120-4120                                                                                                                            | 16.4 | 33 |
| 327 | Crystallographic study of inhibitors of tRNA-guanine transglycosylase suggests a new structure-based pharmacophore for virtual screening. <i>Journal of Molecular Biology</i> , <b>2004</b> , 338, 55-75                                                                           | 6.5  | 33 |
| 326 | Solvent effects on electronic absorption spectra of donor-substituted 11,11,12,12-tetracyano-9,10-anthraquinodimethanes (TCAQs). <i>Journal of Physical Organic Chemistry</i> , <b>2009</b> , 22, 155-162                                                                          | 2.1  | 32 |
| 325 | meso,meso-Linked and Triply Fused Diporphyrins with Mixed-Metal Ions: Synthesis and Electrochemical Investigations. <i>European Journal of Organic Chemistry</i> , <b>2007</b> , 2007, 4659-4673                                                                                   | 3.2  | 32 |
| 324 | FRET-Nachweis geometrisch präzise definierter Expansions-Kontraktions-Bewegungen im Multinanometerbereich eines Resorcin[4]aren-Cavitand-basierten Schalters. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 4711-4715                                                              | 3.6  | 32 |
| 323 | Stabile, lösliche, konjugierte Kohlenstoffstäbe mit einem persilylethinylierten Polytriäthylen-Rückgrat. <i>Angewandte Chemie</i> , <b>1994</b> , 106, 794-798                                                                                                                     | 3.6  | 32 |
| 322 | Synthesis of cyano-substituted diaryltetracenes from tetraaryl[3]cumulenes. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 4341-5                                                                                                                            | 16.4 | 31 |
| 321 | Expanding the chemical structure space of opto-electronic molecular materials: unprecedented push-pull chromophores by reaction of a donor-substituted tetracyanofulvene with electron-rich alkynes. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 3599-606 | 16.4 | 31 |
| 320 | 1,2-Di(phenylethynyl)ethenes with axially chiral, 2,2'-bridged 1,1'-binaphthyl substituents: potent cholesteric liquid-crystal inducers. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 8016-26                                                                     | 3.9  | 31 |
| 319 | Towards the Synthesis of Tetraethynylallene. <i>Synthesis</i> , <b>1996</b> , 1996, 537-550                                                                                                                                                                                        | 2.9  | 31 |
| 318 | Theoretical Investigation of the Origin of Regioselectivity in the Formation of Methanofullerenes by Addition of Diazo Compounds: A Model Study. <i>Chemistry - A European Journal</i> , <b>1998</b> , 4, 2258-2265                                                                | 4.8  | 31 |
| 317 | Structures and stabilities of diacetylene-expanded polyhedranes by quantum mechanics and molecular mechanics. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 1671-8                                                                                                       | 4.2  | 31 |
| 316 | Chromophoric interactions in [60]fullereneβorphyrin dyads investigated by solid-state UV-Vis and IR spectroscopies. <i>Chemical Physics</i> , <b>2004</b> , 300, 227-232                                                                                                           | 2.3  | 31 |

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|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----|
| 315 | Synthesis of a Macrobicyclic Thiazolium-Host and Supramolecular Catalysis of the Benzoin Condensation. <i>Angewandte Chemie International Edition in English</i> , <b>1986</b> , 25, 1125-1127                                                    |         | 31 |
| 314 | Helicene Monomers and Dimers: Chiral Chromophores Featuring Strong Circularly Polarized Luminescence. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 8003-8007                                                                         | 4.8     | 30 |
| 313 | Comparison of CC Triple and Double Bonds as Spacers in PushPull Chromophores. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 4307-4317                                                                                        | 3.2     | 30 |
| 312 | Molecular recognition at the active site of catechol-O-methyltransferase (COMT): adenine replacements in bisubstrate inhibitors. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 6369-81                                                | 4.8     | 30 |
| 311 | Complexation and Dynamic Switching Properties of Fluorophore-Appended Resorcin[4]arene Cavitands. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 846-855                                                                      | 3.2     | 30 |
| 310 | Amplifikation der Chiralität in monodispersen, enantiomerenreinen Allen-Acetylen-Oligomeren. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 2296-2300                                                                                              | 3.6     | 30 |
| 309 | Herstellung von enantiomerenreinem C76 durch Retro-Bingel-Reaktion. <i>Angewandte Chemie</i> , <b>1998</b> , 110, 2022-2025                                                                                                                       | 3.6     | 30 |
| 308 | Synthesis, Biological Evaluation, and Crystallographic Studies of Extended Guanine-Based (lin-Benzoguanine) Inhibitors for tRNA-Guanine Transglycosylase (TGT). <i>Helvetica Chimica Acta</i> , <b>2006</b> , 89, 573-597                         | 2       | 30 |
| 307 | Synthesis of Dendritic Metalloporphyrins with Distal H-Bond Donors as Model Systems for Hemoglobin. <i>Helvetica Chimica Acta</i> , <b>2005</b> , 88, 120-153                                                                                     | 2       | 30 |
| 306 | Dissolution of Cholesterol in Water by a Synthetic Receptor. <i>Angewandte Chemie International Edition in English</i> , <b>1994</b> , 33, 1625-1628                                                                                              |         | 30 |
| 305 | Electronic and structural properties of the cyclobutenodehydroannulenes. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 1618-1623                                                                                           | 16.4    | 30 |
| 304 | Visualizing the product of a formal cycloaddition of 7,7,8,8-tetracyano-p-quinodimethane (TCNQ) to an acetylene-appended porphyrin by scanning tunneling microscopy on Au(111). <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 5246-50 | 4.8     | 29 |
| 303 | High-affinity inhibitors of tRNA-guanine transglycosylase replacing the function of a structural water cluster. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 10809-17                                                                | 4.8     | 29 |
| 302 | Peralkynylated buta-1,2,3-trienes: exceptionally low rotational barriers of cumulenic C=C bonds in the range of those of peptide C-N bonds. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 2906-11                                     | 4.8     | 29 |
| 301 | Organotin Reagents in Cross-Coupling Reactions                                                                                                                                                                                                    | 125-161 | 29 |
| 300 | De novo design, synthesis, and in vitro evaluation of inhibitors for prokaryotic tRNA-guanine transglycosylase: a dramatic sulfur effect on binding affinity. <i>ChemBioChem</i> , <b>2002</b> , 3, 250-3                                         | 3.8     | 29 |
| 299 | Inclusion Complexes between a Macrocyclic Host Molecule and Aromatic Hydrocarbons in Aqueous Solution. <i>Angewandte Chemie International Edition in English</i> , <b>1983</b> , 22, 715-716                                                      |         | 29 |
| 298 | Fluorine Scan of Inhibitors of the Cysteine Protease Human Cathepsin L: Dipolar and Quadrupolar Effects in the $\pi$ -Stacking of Fluorinated Phenyl Rings on Peptide Amide Bonds. <i>ChemMedChem</i> , <b>2016</b> , 11, 1042-7                  | 3.7     | 28 |

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|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----|
| 297 | Potent and selective inhibition of cysteine proteases from Plasmodium falciparum and Trypanosoma brucei. <i>ChemMedChem</i> , <b>2011</b> , 6, 273-8                                                                                        | 3.7       | 28 |
| 296 | Ion-pair complexation with a cavitand receptor. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 7813-9                                                                                                                            | 4.8       | 28 |
| 295 | Functionalized Calix[4]resorcinarene Cavitands. Versatile Platforms for the Modular Construction of Extended Molecular Switches. <i>Bulletin of the Chemical Society of Japan</i> , <b>2006</b> , 79, 1926-1940                             | 5.1       | 28 |
| 294 | H-Bonded complexes of adenine with Rebek imide receptors are stabilised by cation-pi interactions and destabilised by stacking with perfluoroaromatics. <i>Chemical Communications</i> , <b>2004</b> , 370-1                                | 5.8       | 28 |
| 293 | Carbon-Carbon Bond-Forming Reactions Mediated by Organozinc Reagents                                                                                                                                                                        | 6.19-6.70 | 28 |
| 292 | Evidence for the formation of singly bonded dimers during the reductive electrochemistry of methanofullerenes. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 4811-9                                                              | 4.8       | 28 |
| 291 | Donor-substituted peralkynylated "radiannulenes": novel all-carbon macrocycles with an intense intramolecular charge-transfer. <i>Chemical Communications</i> , <b>2003</b> , 1634-5                                                        | 5.8       | 28 |
| 290 | 2,2',7,7'-Tetrahydroxy-1,1'-binaphthyl: a Versatile Chiral Spacer for Novel Mono- and Ditopic Cyclophane Hosts with Apolar Binding Sites. <i>Angewandte Chemie International Edition in English</i> , <b>1988</b> , 27, 1705-1711           |           | 28 |
| 289 | Strain-accelerated formation of chiral, optically active buta-1,3-dienes. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 349-54                                                                                       | 16.4      | 27 |
| 288 | Proacetylenic reactivity of a push-pull buta-1,2,3-triene: new chromophores and supramolecular systems. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 1185-90                                                                      | 4.5       | 27 |
| 287 | Regular acyclic and macrocyclic [AB] oligomers by formation of push-pull chromophores in the chain-growth step. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 6088-97                                                           | 4.8       | 27 |
| 286 | N-arylated 3,5-dihydro-4H-dinaphtho[2,1-c:1',2'-e]azepines: axially chiral donors with high helical twisting powers for nonplanar push-pull chromophores. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 9005-16 <sup>8</sup>    | 16.8      | 27 |
| 285 | Synthesis, inhibition potency, binding mode, and antiprotozoal activities of fluorescent inhibitors of trypanothione reductase based on mepacrine-conjugated diaryl sulfide scaffolds. <i>ChemMedChem</i> , <b>2009</b> , 4, 2034-44        | 3.7       | 27 |
| 284 | Direct evidence for a hydrogen bond to bound dioxygen in a myoglobin/hemoglobin model system and in cobalt myoglobin by pulse-EPR spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 2600-3                 | 16.4      | 27 |
| 283 | Aushungern des Malaria-Erregers: Hemmer der Aspartylproteasen Plasmeprin I, II und IV. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 2193-2196                                                                                              | 3.6       | 27 |
| 282 | Second-Generation Inhibitors for the Metalloprotease Neprilysin Based on Bicyclic Heteroaromatic Scaffolds: Synthesis, Biological Activity, and X-Ray Crystal-Structure Analysis. <i>Helvetica Chimica Acta</i> , <b>2005</b> , 88, 731-750 | 2         | 27 |
| 281 | 1,3-Diethynylallenes: New Modules for Three-Dimensional Acetylenic Scaffolding. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 2396-2399                                                                                                     | 3.6       | 27 |
| 280 | Synthesis and physical investigation of donor-donor and acceptor-acceptor end-functionalized monodisperse poly(triacetylene) oligomers. <i>Chemistry - A European Journal</i> , <b>2000</b> , 6, 4400-12                                    | 4.8       | 27 |

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|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|
| 279 | Synthesis of dendritic iron(II) porphyrins with a tethered axial imidazole ligand designed as new model compounds for globins. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , <b>2000</b> , 4231-4233                                  |      | 27      |
| 278 | Synthesis, Separation, and Characterization of Optically Pure C76 Mono-Adducts. <i>Helvetica Chimica Acta</i> , <b>1996</b> , 79, 1741-1756                                                                                                             | 2    | 27      |
| 277 | Enantioselektive Komplexierung chiraler Dicarbonsäuren in funktionalisierten spaltenförmigen 9,9'-Spirobifluorenen. <i>Angewandte Chemie</i> , <b>1992</b> , 104, 1503-1505                                                                             | 3.6  | 27      |
| 276 | Alleno-Acetylenic Cage (AAC) Receptors: Chiroptical Switching and Enantioselective Complexation of trans-1,2-Dimethylcyclohexane in a Diaxial Conformation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14444-14449            | 16.4 | 27      |
| 275 | The [2 + 2] Cycloaddition-Retroelectrocyclization and [4 + 2] Hetero-Diels-Alder Reactions of 2-(Dicyanomethylene)indan-1,3-dione with Electron-Rich Alkynes: Influence of Lewis Acids on Reactivity. <i>Organic Letters</i> , <b>2015</b> , 17, 3506-9 | 6.2  | 26      |
| 274 | 2 H-1,2,3-Triazole-Based Dipeptidyl Nitriles: Potent, Selective, and Trypanocidal Rhodesain Inhibitors by Structure-Based Design. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 3370-3388                                                   | 8.3  | 26      |
| 273 | Unprecedented thermal rearrangement of push-pull-chromophore-[60]fullerene conjugates: formation of chiral 1,2,9,12-tetrakis-adducts. <i>Chemical Communications</i> , <b>2010</b> , 46, 5334-6                                                         | 5.8  | 26      |
| 272 | Self-association based on orthogonal C=O...C=O interactions in the solid and liquid state. <i>Chemical Communications</i> , <b>2010</b> , 46, 67-9                                                                                                      | 5.8  | 26      |
| 271 | How to replace the residual solvation shell of polar active site residues to achieve nanomolar inhibition of tRNA-guanine transglycosylase. <i>ChemMedChem</i> , <b>2009</b> , 4, 2012-23                                                               | 3.7  | 26      |
| 270 | Compact TCBD based molecules and supramolecular assemblies for third-order nonlinear optics. <i>Optical Materials Express</i> , <b>2012</b> , 2, 294                                                                                                    | 2.6  | 26      |
| 269 | Supramolecular Aggregates of Dendritic Cyclophanes (Dendrophanes) Threaded on Molecular Rods with Steroid Termini. <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 3154-3158                                                       | 16.4 | 26      |
| 268 | Bisubstrate inhibitors of the enzyme catechol O-methyltransferase (COMT): efficient inhibition despite the lack of a nitro group. <i>ChemBioChem</i> , <b>2004</b> , 5, 1270-4                                                                          | 3.8  | 26      |
| 267 | Medicinal chemistry in academia: molecular recognition with biological receptors. <i>Chemical Communications</i> , <b>2004</b> , 477-80                                                                                                                 | 5.8  | 26      |
| 266 | Modules for Acetylenic Scaffolding. <i>Synlett</i> , <b>2002</b> , 2002, 0544-0552                                                                                                                                                                      | 2.2  | 26      |
| 265 | Oligoacetylenes                                                                                                                                                                                                                                         |      | 443-471 |
| 264 | Regiospecific templated synthesis of D2h-symmetrical tetrakis-adduct C64(COOEt)8 by reversible tether-directed remote functionalization of C60. <i>Chemical Communications</i> , <b>1996</b> , 797                                                      | 5.8  | 26      |
| 263 | Antimalarial Inhibitors Targeting Serine Hydroxymethyltransferase (SHMT) with in Vivo Efficacy and Analysis of their Binding Mode Based on X-ray Cocrystal Structures. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 4840-4860              | 8.3  | 25      |
| 262 | Improved inhibitors of trypanothione reductase by combination of motifs: synthesis, inhibitory potency, binding mode, and antiprotozoal activities. <i>ChemMedChem</i> , <b>2011</b> , 6, 292-301                                                       | 3.7  | 25      |

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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 261 | Enantiopure, monodisperse alleno-acetylenic cyclooligomers: effect of symmetry and conformational flexibility on the chiroptical properties of carbon-rich compounds. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 3876-85                                                                               | 4.8  | 25 |
| 260 | Synthesis and characterization of cytidine derivatives that inhibit the kinase IspE of the non-mevalonate pathway for isoprenoid biosynthesis. <i>ChemMedChem</i> , <b>2008</b> , 3, 91-101                                                                                                                           | 3.7  | 25 |
| 259 | Bisubstrate inhibitors of catechol O-methyltransferase (COMT): the crucial role of the ribose structural unit for inhibitor binding affinity. <i>ChemMedChem</i> , <b>2006</b> , 1, 340-57                                                                                                                            | 3.7  | 25 |
| 258 | Mapping the fluorophilicity of a hydrophobic pocket: synthesis and biological evaluation of tricyclic thrombin inhibitors directing fluorinated alkyl groups into the p pocket. <i>ChemMedChem</i> , <b>2006</b> , 1, 1205-13                                                                                         | 3.7  | 25 |
| 257 | Synthesis and In Vitro Evaluation of 2-Aminoquinazolin-4(3H)-one-Based Inhibitors for tRNA-Guanine Transglycosylase (TGT). <i>Helvetica Chimica Acta</i> , <b>2004</b> , 87, 1333-1356                                                                                                                                | 2    | 25 |
| 256 | A New Class of Inhibitors for the Metalloprotease Neprilysin Based on a Central Imidazole Scaffold. <i>Helvetica Chimica Acta</i> , <b>2005</b> , 88, 707-730                                                                                                                                                         | 2    | 25 |
| 255 | An insight into the aromaticity of fullerene anions: experimental evidence for diamagnetic ring currents in the five-membered rings of C(60)(6-) and C(70)(6-). <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 5734-8                                                                           | 16.4 | 25 |
| 254 | Cavity depth and width effects on cyclophane-steroid recognition: molecular complexation of cholesterol and progesterone in aqueous solution. <i>Chemistry and Biology</i> , <b>1995</b> , 2, 139-46                                                                                                                  |      | 25 |
| 253 | Heat-induced formation of one-dimensional coordination polymers on Au(111): an STM study. <i>Chemical Communications</i> , <b>2015</b> , 51, 14473-6                                                                                                                                                                  | 5.8  | 24 |
| 252 | Donor-substituted octacyano[4]dendralenes: investigation of $\pi$ electron delocalization in their radical ions. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 1760-7                                                                                                                                       | 4.2  | 24 |
| 251 | N,N'-Dicyanoquinone diimide-derived donor-acceptor chromophores: conformational analysis and optoelectronic properties. <i>Organic Letters</i> , <b>2012</b> , 14, 54-7                                                                                                                                               | 6.2  | 24 |
| 250 | Reactions of C <sub>2</sub> -symmetrical C <sub>60</sub> pentakis-adducts with diazomethane: regioselective formation of hexakis- to octakis-adducts and mechanism of methanofullerene formation by addition of diazomethane followed by dinitrogen extrusion. <i>Chemical Communications</i> , <b>1997</b> , 237-238 | 5.8  | 24 |
| 249 | Structure-Based Design and Synthesis of the First Weak Non-Phosphate Inhibitors for IspF, an Enzyme in the Non-Mevalonate Pathway of Isoprenoid Biosynthesis. <i>Helvetica Chimica Acta</i> , <b>2007</b> , 90, 1043-1068                                                                                             | 2    | 24 |
| 248 | Effects of the dendrimer cage on O <sub>2</sub> binding of dendritic cobalt(II) porphyrins. <i>ChemPhysChem</i> , <b>2002</b> , 3, 659-67                                                                                                                                                                             | 3.2  | 24 |
| 247 | First tether-directed regioselective bis-functionalisation of C <sub>70</sub> : effects of cation complexation on the redox properties of diastereoisomeric fullerene crown ether conjugates. <i>Chemical Communications</i> , <b>2000</b> , 1859-1860                                                                | 5.8  | 24 |
| 246 | Synthesis of molecular-gripper-type dynamic receptors and STM-imaging of self-assembled monolayers on gold. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 2895-2897                                                                                                                                       |      | 24 |
| 245 | Achiral and Chiral Higher Adducts of C <sub>70</sub> by Bingel Cyclopropanation. <i>Helvetica Chimica Acta</i> , <b>1999</b> , 82, 261-289                                                                                                                                                                            | 2    | 24 |
| 244 | Modulation of $\pi$ Electron Conjugation in Oligo(triacetylene) Chromophores by Incorporation of a Central Spacer. <i>Helvetica Chimica Acta</i> , <b>1999</b> , 82, 1470-1485                                                                                                                                        | 2    | 24 |



- 243 Tetrakis(trialkylsilylethynyl)butatrien und 1,1,4,4-Tetrakis(trialkylsilylethynyl)-1,3-butadien: neue kreuzkonjugierte Chromophore. *Angewandte Chemie*, **1993**, 105, 1235-1238 3.6 24
- 242 Halogenverbrückte supramolekulare Kapseln im Festkörper, in Lösung und in der Gasphase. *Angewandte Chemie*, **2017**, 129, 1172-1177 3.6 23
- 241 Push-Pull Buta-1,2,3-trienes: exceptionally low rotational barriers of cumulenic C=C bonds and proacetylenic reactivity. *Chemistry - A European Journal*, **2015**, 21, 6215-25 4.8 23
- 240 Multipolar interactions in the D pocket of thrombin: large differences between tricyclic imide and lactam inhibitors. *Organic and Biomolecular Chemistry*, **2006**, 4, 2364-75 3.9 23
- 239 Nucleophilic trifluoromethylation of cyclic imides using (trifluoromethyl)trimethylsilane CF<sub>3</sub>SiMe<sub>3</sub>. *Organic and Biomolecular Chemistry*, **2004**, 2, 2267-9 3.9 23
- 238 Structure-Based Design of Nonpeptidic Thrombin Inhibitors: Exploring the D-Pocket and the Oxyanion Hole. *Helvetica Chimica Acta*, **2002**, 85, 1210 2 23
- 237 Tetrathiafulvalene-acetylene scaffolding: new electron systems for advanced materials. *Chemical Communications*, **2001**, 1848-1849 5.8 23
- 236 Fulleren-Acetylen-Hybride: auf dem Weg zu neuen, synthetischen molekularen Kohlenstoffallotropen. *Angewandte Chemie*, **1994**, 106, 1427-1429 3.6 23
- 235 Supramolekulare Kapseln: starke und schwache Chalkogenbrücken im Vergleich. *Angewandte Chemie*, **2018**, 130, 17506-17512 3.6 23
- 234 One-pot access to push-pull oligoenes by sequential [2 + 2] cycloaddition-retroelectrocyclization reactions. *Journal of Organic Chemistry*, **2014**, 79, 426-31 4.2 22
- 233 Chasing protons: how isothermal titration calorimetry, mutagenesis, and pK<sub>a</sub> calculations trace the locus of charge in ligand binding to a tRNA-binding enzyme. *Journal of Medicinal Chemistry*, **2014**, 57, 5554-65 8.3 22
- 232 Substituent Effects on Singlet Exciton Fission in Polycrystalline Thin Films of Cyano-Substituted Diaryltetracenes. *Journal of Physical Chemistry C*, **2017**, 121, 21262-21271 3.8 22
- 231 Dispersion and Halogen-Bonding Interactions: Binding of the Axial Conformers of Monohalo- and (E)-trans-1,2-Dihalocyclohexanes in Enantiopure Alleno-Acetylenic Cages. *Journal of the American Chemical Society*, **2017**, 139, 12190-12200 16.4 22
- 230 Free enthalpies of replacing water molecules in protein binding pockets. *Journal of Computer-Aided Molecular Design*, **2012**, 26, 1293-309 4.2 22
- 229 Catechol-O-methyltransferase in complex with substituted 3'-deoxyribose bisubstrate inhibitors. *Acta Crystallographica Section D: Biological Crystallography*, **2012**, 68, 253-60 22
- 228 Spacer-Controlled Multiple Functionalization of Fullerenes. *Topics in Current Chemistry*, **2005**, 1-61 22
- 227 Synthesis and properties of a ROMP backbone polymer with efficient, laterally appended nonlinear optical chromophores. *Journal of Materials Chemistry*, **2004**, 14, 292-295 22
- 226 Cross-Coupling Reactions via  $\pi$ -Allylmetal Intermediates 531-583 22



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|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 225 | Development of a New Class of Inhibitors for the Malarial Aspartic Protease Plasmeprin II Based on a Central 7-Azabicyclo[2.2.1]heptane Scaffold. <i>Helvetica Chimica Acta</i> , <b>2003</b> , 86, 2173-2191                                                                  | 2   | 22 |
| 224 | Towards the Synthesis of Azoacetylenes. <i>Helvetica Chimica Acta</i> , <b>2003</b> , 86, 3096-3117                                                                                                                                                                            | 2   | 22 |
| 223 | Chirality in Fullerene Chemistry. <i>Topics in Stereochemistry</i> , <b>2003</b> , 1-124                                                                                                                                                                                       |     | 22 |
| 222 | Macrocycles Based on Phenylacetylene Scaffolding <b>2005</b> , 303-385                                                                                                                                                                                                         |     | 22 |
| 221 | Molekülstruktur und spektroskopische Eigenschaften des Kekulens. <i>Angewandte Chemie</i> , <b>1979</b> , 91, 733-735                                                                                                                                                          |     | 22 |
| 220 | Intense Ground-State Charge-Transfer Interactions in Low-Bandgap, Panchromatic Phthalocyanine-tetracyanobuta-1,3-diene Conjugates. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5650-5654                                                                                     | 3.6 | 22 |
| 219 | 6,6-Dicyanopentafulvenes: teaching an old dog new tricks. <i>Chemical Record</i> , <b>2015</b> , 15, 19-30                                                                                                                                                                     | 6.6 | 21 |
| 218 | Launching spiking ligands into a protein-protein interface: a promising strategy to destabilize and break interface formation in a tRNA modifying enzyme. <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 1163-78                                                               | 4.9 | 21 |
| 217 | Crystal structure analysis and in silico pKa calculations suggest strong pKa shifts of ligands as driving force for high-affinity binding to TGT. <i>ChemBioChem</i> , <b>2009</b> , 10, 716-27                                                                                | 3.8 | 21 |
| 216 | Acetylenic tetrathiafulvalene-dicyanovinyl donor-acceptor chromophores. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 3474-80                                                                                                                                   | 3.9 | 21 |
| 215 | Photochemical trans isomerisation of donor/acceptor-substituted (E)-hex-3-ene-1,5-diynes (1,2-diethynylethenes, DEEs) and 3,4-diethynylhex-3-ene-1,5-diynes (tetraethynylethenes, TEEs). <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1998</b> , 233-242 |     | 21 |
| 214 | Einschlusskomplexe aus einem makrocyclischen Wirtmolekül und aromatischen Kohlenwasserstoffen in wässriger Lösung. <i>Angewandte Chemie</i> , <b>2006</b> , 95, 730-735                                                                                                        | 3.6 | 21 |
| 213 | Functionalized 3,3',5,5'-Tetraaryl-1,1'-Biphenyls: Novel Platforms for Molecular Receptors. <i>Helvetica Chimica Acta</i> , <b>2003</b> , 86, 548-562                                                                                                                          | 2   | 21 |
| 212 | Hexakis-Adducts of [60]Fullerene with Different Addition Patterns: Templated Synthesis, Physical Properties, and Chemical Reactivity. <i>Helvetica Chimica Acta</i> , <b>2001</b> , 84, 1207-1226                                                                              | 2   | 21 |
| 211 | Pi-electron conjugation effects in antiaromatic dehydro[12]- and aromatic dehydro[18]-annulenes. <i>Chemical Communications</i> , <b>2002</b> , 2318-9                                                                                                                         | 5.8 | 21 |
| 210 | 1,1,2,2-Tetraethynylethanes: Synthons for Tetraethynylethenes and Modules for Acetylenic Molecular Scaffolding. <i>Helvetica Chimica Acta</i> , <b>1996</b> , 79, 634-645                                                                                                      | 2   | 21 |
| 209 | Chiral Molecular Clefs For Dicarboxylic Acid Complexation. <i>Israel Journal of Chemistry</i> , <b>1992</b> , 32, 69-77                                                                                                                                                        | 3.4 | 21 |
| 208 | Neue, von Tetraethynylethen abgeleitete, kreuzkonjugierte Verbindungen. <i>Angewandte Chemie</i> , <b>1992</b> , 104, 1270-1273                                                                                                                                                | 3.6 | 21 |

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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 207 | Soaking suggests "alternative facts": Only co-crystallization discloses major ligand-induced interface rearrangements of a homodimeric tRNA-binding protein indicating a novel mode-of-inhibition. <i>PLoS ONE</i> , <b>2017</b> , 12, e0175723                                         | 3.7  | 20 |
| 206 | Synthese von Cyano-substituierten Diaryltetracenen ausgehend von Tetraaryl[3]cumulenen. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 4430-4434                                                                                                                                         | 3.6  | 20 |
| 205 | Peptidomimetic nitriles as selective inhibitors for the malarial cysteine protease falcipain-2. <i>MedChemComm</i> , <b>2011</b> , 2, 800                                                                                                                                               | 5    | 20 |
| 204 | A fluorine scan of non-peptidic inhibitors of neprilysin: Fluorophobic and fluorophilic regions in an enzyme active site. <i>Journal of Fluorine Chemistry</i> , <b>2008</b> , 129, 852-865                                                                                             | 2.1  | 20 |
| 203 | Semipreparative enantioseparation of Tröger base derivatives by HPLC. <i>Chirality</i> , <b>2006</b> , 18, 707-12                                                                                                                                                                       | 2.1  | 20 |
| 202 | Macrocyclic Cyclo[n]malonates [Synthetic Aspects and Observation of Columnar Arrangements by X-ray Crystallography. <i>European Journal of Organic Chemistry</i> , <b>2006</b> , 2006, 2296-2308                                                                                        | 3.2  | 20 |
| 201 | Regio- und stereoselektive spacergesteuerte Fernfunktionalisierung von C60 durch Derivate der Trögerschen Base. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 1770-1773                                                                                                                 | 3.6  | 20 |
| 200 | Higher Adducts of C by Tether-Directed Remote Functionalization: X-Ray Crystal Structure and Reactivity of a Chiral Hexakis-Cyclopropanated Fullerene with all Addends Located along an Equatorial Belt. <i>Angewandte Chemie - International Edition</i> , <b>2000</b> , 39, 3813-3816 | 16.4 | 20 |
| 199 | Die Chemie von C84: Trennung von drei Konstitutionsisomeren des Fullerenes C84 und der Enantiomere von D2-C84 durch die Bingel-Retro-Bingel-Strategie. <i>Angewandte Chemie</i> , <b>1999</b> , 111, 1716-1721                                                                          | 3.6  | 20 |
| 198 | Dendritische Eisenporphyrine mit kovalent fixierten axialen Liganden: neue Modellsysteme für Cytochrome. <i>Angewandte Chemie</i> , <b>1999</b> , 111, 3400-3405                                                                                                                        | 3.6  | 20 |
| 197 | Mono- and di-nuclear platinum acetylide complexes of tetraethynylethene. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1994</b> , 2045-2046                                                                                                                       |      | 20 |
| 196 | Design and Synthesis of Aviram-Ratner-Type Dyads and Rectification Studies in Langmuir-Blodgett (LB) Films. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 10539-47                                                                                                          | 4.8  | 19 |
| 195 | Post-Cycloaddition Retroelectrocyclization Transformations of Polycyanobutadienes. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 869-879                                                                                                                           | 3.2  | 19 |
| 194 | Oriented growth of porphyrin-based molecular wires on ionic crystals analysed by nc-AFM. <i>Beilstein Journal of Nanotechnology</i> , <b>2011</b> , 2, 34-9                                                                                                                             | 3    | 19 |
| 193 | Optische Stabilität axial-chiraler push-pull-substituierter Buta-1,3-diene: Effekt einer einzelnen Methylgruppe auf der Oberfläche von C60. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 3611-3615                                                                                     | 3.6  | 19 |
| 192 | PtII-gesteuerte Selbstorganisation eines zweikernigen, Fulleren-haltigen Cyclophans. <i>Angewandte Chemie</i> , <b>1998</b> , 110, 2019-2022                                                                                                                                            | 3.6  | 19 |
| 191 | Enantiomerically Pure Thrombin Inhibitors for Exploring the Molecular-Recognition Features of the Oxyanion Hole. <i>Helvetica Chimica Acta</i> , <b>2004</b> , 87, 2517-2538                                                                                                            | 2    | 19 |
| 190 | A New Class of Inhibitors for the Malarial Aspartic Protease Plasmeprin II Based on a Central 11-Azatricyclo[6.2.1.0 <sup>2,7</sup> ]undeca-2,4,6-triene Scaffold. <i>Helvetica Chimica Acta</i> , <b>2003</b> , 86, 2192-2209                                                          | 2    | 19 |

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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 189 | Poly(triacetylene) Oligomers: Conformational Analysis by X-Ray Crystallography and Synthesis of a 17.8-nm-Long Monodisperse 24-mer. <i>Helvetica Chimica Acta</i> , <b>2001</b> , 84, 473-480                                                                         | 2    | 19 |
| 188 | Porphyrin Donor and Tunable Push-Pull Acceptor Conjugates-Experimental Investigation of Marcus Theory. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 6357-6369                                                                                            | 4.8  | 18 |
| 187 | Experimental and computational study of BODIPY dye-labeled cavitand dynamics. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 2441-9                                                                                                             | 16.4 | 18 |
| 186 | A shape-persistent alleno-acetylenic macrocycle with a modifiable periphery: synthesis, chiroptical properties and H-bond-driven self-assembly into a homochiral columnar structure. <i>Chemical Communications</i> , <b>2013</b> , 49, 7605-7                        | 5.8  | 18 |
| 185 | Controlling the dimensionality and structure of supramolecular porphyrin assemblies by their functional substituents: dimers, chains, and close-packed 2D assemblies. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 14610-3                               | 4.8  | 18 |
| 184 | From lin-benzoguanines to lin-benzohypoxanthines as ligands for <i>Zymomonas mobilis</i> tRNA-guanine transglycosylase: replacement of protein-ligand hydrogen bonding by importing water clusters. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 9246-57 | 4.8  | 18 |
| 183 | Calculation of binding free energies of inhibitors to plasmepsin II. <i>Journal of Computational Chemistry</i> , <b>2011</b> , 32, 1801-12                                                                                                                            | 3.5  | 18 |
| 182 | Selbstorganisation und spontane 2D-Racematspaltung eines Dicyano[7]helicens auf Cu(111). <i>Angewandte Chemie</i> , <b>2011</b> , 123, 10158-10162                                                                                                                    | 3.6  | 18 |
| 181 | Enantiomerically Pure and Highly Substituted Alicyclic $\beta,\beta$ -Difluoro Ketones: Potential Inhibitors for Malarial Aspartic Proteases, the Plasmepsins. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 4617-4629                           | 3.2  | 18 |
| 180 | A Novel Synthesis of Highly Substituted Perhydropyrrolizines, Perhydroindolizines, and Pyrrolidines: Inhibition of the Peptidyl-Prolyl cis/trans Isomerase (PPIase) Pin1. <i>Helvetica Chimica Acta</i> , <b>2007</b> , 90, 217-259                                   | 2    | 18 |
| 179 | Expanded Cubane: Synthesis of a Cage Compound with a C56 Core by Acetylenic Scaffolding and Gas-Phase Transformations into Fullerenes. <i>Angewandte Chemie</i> , <b>2002</b> , 114, 4515-4519                                                                        | 3.6  | 18 |
| 178 | Donor-Acceptor-Functionalized Tetraethynylethenes with Nitrothienyl Substituents: Structure-Property Relationships. <i>Helvetica Chimica Acta</i> , <b>2000</b> , 83, 1484-1508                                                                                       | 2    | 18 |
| 177 | C60: From Soot to Superconductors. <i>Angewandte Chemie</i> , <b>1991</b> , 103, 695-697                                                                                                                                                                              | 3.6  | 18 |
| 176 | A Three-Step Synthesis of Tetrasubstituted NH-Pyrroles. <i>Organic Letters</i> , <b>2016</b> , 18, 2252-5                                                                                                                                                             | 6.2  | 18 |
| 175 | Chiroptische Detektion achiraler Gäste ohne Chromophor durch enantiomerenreine alleno-acetylenische helicale Käfige. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 13833-13837                                                                                        | 3.6  | 17 |
| 174 | Impact of protein and ligand impurities on ITC-derived protein-ligand thermodynamics. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2014</b> , 1840, 2843-50                                                                                           | 4    | 17 |
| 173 | Two-dimensional phase behavior of a bimolecular porphyrin system at the solid-vacuum interface. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 7306-11                                                                                          | 16.4 | 17 |
| 172 | Kation-Wechselwirkungen im aktiven Zentrum von Faktor Xa: drastische Verstärkung durch stufenweise N-Alkylierung von Ammoniumionen. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 825-828                                                                             | 3.6  | 17 |

- 171 Molekulare Erkennung in der aktiven Tasche der Catechol-O-Methyltransferase: energetisch günstige Verdrängung eines von einem Bisubstratinhibitor importierten Wassermoleküls. *Angewandte Chemie*, **2009**, 121, 9256-9260 3.6 17
- 170 Regioselektive, durch einen Kronenether-Spacer kontrollierte Synthese von trans-1-Fulleren-Bisaddukten: Alkalimetallionen-abhängige Redox Eigenschaften von Fulleren-Kronenether-Konjugaten. *Angewandte Chemie*, **1998**, 110, 2203-2207 3.6 17
- 169 1,3-Diethynylallenes: Stable Monomers, Length-Defined Oligomers, Asymmetric Synthesis, and Optical Resolution. *European Journal of Organic Chemistry*, **2007**, 2007, 3449-3462 3.2 17
- 168 Betraying the parasite's redox system: diaryl sulfide-based inhibitors of trypanothione reductase: subversive substrates and antitrypanosomal properties. *ChemMedChem*, **2007**, 2, 1708-12 3.7 17
- 167 Fluoreszierende Inhibitoren von IspF, einem Enzym im Nicht-Mevalonat-Biosyntheseweg der Isoprenoide und möglichen Ziel einer Antimalariatherapie. *Angewandte Chemie*, **2006**, 118, 1082-1087 3.6 17
- 166 New Rebek imide-type receptors for adenine featuring acetylene-linked pi-stacking platforms. *Organic and Biomolecular Chemistry*, **2004**, 2, 1962-4 3.9 17
- 165 Bisubstrate Inhibitors for the Enzyme Catechol O-Methyltransferase (COMT): Dramatic Effects of Ribose Modifications on Binding Affinity and Binding Mode. *Helvetica Chimica Acta*, **2003**, 86, 1045-1062<sup>2</sup> 17
- 164 Quantifizierung von Kation-Wechselwirkungen in Protein-Ligand-Komplexen: Kristallstrukturanalyse eines Komplexes von Faktor Xa und einem quartären Ammonium-Ion-Liganden. *Angewandte Chemie*, **2005**, 117, 4474-4479 3.6 17
- 163 N,N-dialkylaniline-substituted tetraethynylethenes: a new class of chromophores possessing an emitting charge-transfer state. Experimental and computational studies. *ChemPhysChem*, **2001**, 2, 423-33<sup>2</sup> 17
- 162 Addressing the Glycine-Rich Loop of Protein Kinases by a Multi-Faceted Interaction Network: Inhibition of PKA and a PKB Mimic. *Chemistry - A European Journal*, **2016**, 22, 211-21 4.8 17
- 161 Identification of 1,3-diiminoisoindoline carbohydrazides as potential antimalarial candidates. *ChemMedChem*, **2012**, 7, 151-8 3.7 16
- 160 Platinum(II) Acetylides in the Formal [2+2] Cycloaddition-Retroelectrocyclization Reaction: Organodonor Versus Metal Activation. *European Journal of Organic Chemistry*, **2013**, 2013, 3729-3740 3.2 16
- 159 Homokonjugierte Push-pull- und Spirosysteme: intramolekulare Charge-Transfer-Wechselwirkungen und nichtlineare optische Eigenschaften dritter Ordnung. *Angewandte Chemie*, **2010**, 122, 6343-6347 3.6 16
- 158 Hochaffine Inhibitoren der tRNA-Guanin-Transglycosylase, eines Schlüsselenzyms in der Pathogenese der Shigellen-Ruhr: ladungsverstärkte Wasserstoffbrücken. *Angewandte Chemie*, **2007**, 119, 8414-8417 3.6 16
- 157 Synthesis and Biological Evaluation of Potent Bisubstrate Inhibitors of the Enzyme Catechol O-Methyltransferase (COMT) Lacking a Nitro Group. *Helvetica Chimica Acta*, **2006**, 89, 1856-1887 2 16
- 156 Selective steroid recognition by a partially bridged resorcin[4]arene cavitand. *Chemical Communications*, **2005**, 5269-71 5.8 16
- 155 Advanced opto-electronics materials by fullerene and acetylene scaffolding. *Pure and Applied Chemistry*, **2005**, 77, 1851-1863 2.1 16
- 154 X-ray Crystal Structure of a Bisubstrate Inhibitor Bound to the Enzyme Catechol-O-methyltransferase: A Dramatic Effect of Inhibitor Preorganization on Binding Affinity. *Angewandte Chemie*, **2001**, 113, 4164-4166 3.6 16

|     |                                                                                                                                                                                                                                              |         |    |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----|
| 153 | Design neuartiger, nichtpeptidischer Thrombin-Inhibitoren und Struktur eines Thrombin-Inhibitor-Komplexes. <i>Angewandte Chemie</i> , <b>1995</b> , 107, 1874-1877                                                                           | 3.6     | 16 |
| 152 | Conformational Aspects in the Design of Inhibitors for Serine Hydroxymethyltransferase (SHMT): Biphenyl, Aryl Sulfonamide, and Aryl Sulfone Motifs. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 14345-14357                    | 4.8     | 15 |
| 151 | Repurposing a Library of Human Cathepsin L Ligands: Identification of Macrocyclic Lactams as Potent Rhodesain and Trypanosoma brucei Inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 3350-3369                         | 8.3     | 15 |
| 150 | Beyond affinity: enthalpy-entropy factorization unravels complexity of a flat structure-activity relationship for inhibition of a tRNA-modifying enzyme. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 5566-78                   | 8.3     | 15 |
| 149 | Aryl Bis-Sulfonamide Inhibitors of IspF from Arabidopsis thaliana and Plasmodium falciparum. <i>ChemMedChem</i> , <b>2015</b> , 10, 2090-8                                                                                                   | 3.7     | 15 |
| 148 | Rebek imide platforms as model systems for the investigation of weak intermolecular interactions. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 8455-63                                                                          | 4.8     | 15 |
| 147 | Direkter Nachweis einer Wasserstoffbrücke zu gebundenem Disauerstoff in einem Modellkomplex für Myoglobin/Hämoglobin und in Cobalt-Myoglobin durch Puls-EPR. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 2638-2642                         | 3.6     | 15 |
| 146 | Amphiphilic Dendrimers with Heteroleptic Bis([2,2': 6',2'']terpyridine)-Ruthenium(II) Cores. <i>Helvetica Chimica Acta</i> , <b>2004</b> , 87, 2896-2918                                                                                     | 2       | 15 |
| 145 | Structure-based design, synthesis, and in vitro evaluation of nonpeptidic neprilysin inhibitors. <i>ChemBioChem</i> , <b>2004</b> , 5, 996-1000                                                                                              | 3.8     | 15 |
| 144 | Dendritic metalloporphyrins with a distal H-bond donor as mimics of haemoglobin. <i>Organic and Biomolecular Chemistry</i> , <b>2003</b> , 1, 1090-3                                                                                         | 3.9     | 15 |
| 143 | Palladium-Catalyzed 1,4-Additions to Conjugated Dienes                                                                                                                                                                                       | 479-529 | 15 |
| 142 | Monodisperse Poly(triacetylen)-Stäbe: Synthese eines 11.9 nm langen molekularen Drahtes und direkte Bestimmung der effektiven Konjugationslänge durch UV/Vis- und Raman-Spektroskopie. <i>Angewandte Chemie</i> , <b>1999</b> , 111, 834-838 | 3.6     | 15 |
| 141 | π-Complexes incorporating tetrakis(phenylethynyl)ethene. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1995</b> , 875-886                                                                                               |         | 15 |
| 140 | 2,2',7,7'-Tetrahydroxy-1,1'-Binaphthyl: A Versatile Chiral Spacer for Monotopic and Ditopic Cyclophane Hosts with Apolar Binding Sites. <i>Israel Journal of Chemistry</i> , <b>1989</b> , 29, 201-212                                       | 3.4     | 15 |
| 139 | Die [2+2]-Cycloadditions-Retroelektrocyclisierungs(CA-RE)-Klick-Reaktion: ein einfacher Zugang zu molekularen und polymeren Push-pull-Chromophoren. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 3612-3638                                  | 3.6     | 15 |
| 138 | Potent Inhibitors of Plasmodial Serine Hydroxymethyltransferase (SHMT) Featuring a Spirocyclic Scaffold. <i>ChemMedChem</i> , <b>2018</b> , 13, 931-943                                                                                      | 3.7     | 14 |
| 137 | Effective cholesteric liquid crystal inducers based on axially chiral allenyl-acetylenes. <i>RSC Advances</i> , <b>2013</b> , 3, 22845                                                                                                       | 3.7     | 14 |
| 136 | Potent inhibitors of malarial aspartic proteases, the plasmepsins, by hydroformylation of substituted 7-azanorbornenes. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 155-64                                                     | 4.8     | 14 |



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|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 135 | All-optical switching with 1-ps response time in a DDMEBT enabled silicon grating coupler/resonator hybrid device. <i>Optics Express</i> , <b>2014</b> , 22, 24530-44                                                                                | 3.3  | 14 |
| 134 | Nonplanar push-pull chromophores for opto-electronic applications. <i>Chimia</i> , <b>2010</b> , 64, 409-13                                                                                                                                          | 1.3  | 14 |
| 133 | Synthesis and Characterization of Multinanometer-Sized Expanded Dendralenes with an iso-Poly(triacetylene) Backbone. <i>Helvetica Chimica Acta</i> , <b>2002</b> , 85, 2169                                                                          | 2    | 14 |
| 132 | Wechselwirkungen mit aromatischen Ringen in chemischen und biologischen Erkennungsprozessen. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 4254-4254                                                                                                 | 3.6  | 14 |
| 131 | Regioselective One-Step Synthesis and Topological Chirality of trans-3, trans-3,trans-3 and e,e,e [60]Fullerene-Cyclotrimeratrylene Tris-adducts: Discussion on a Topological meso-Form. <i>Helvetica Chimica Acta</i> , <b>2000</b> , 83, 1209-1223 | 2    | 14 |
| 130 | Two-photon absorption and spectroscopy of the lowest two-photon transition in small donor-acceptor substituted organic molecules. <i>Physical Review A</i> , <b>2015</b> , 91,                                                                       | 2.6  | 13 |
| 129 | Anilino-Substituted Multicyanobuta-1,3-diene Electron Acceptors: TICT Molecules with Accessible Conical Intersections. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 10677-83                                                          | 2.8  | 13 |
| 128 | Photoredox-Switchable Resorcin[4]arene Cavitands: Radical Control of Molecular Gripping Machinery via Hydrogen Bonding. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 1431-1440                                                          | 4.8  | 13 |
| 127 | Resorcin[4]arene-Based Molecular Baskets and Water-Soluble Container Molecules: Synthesis and <sup>1</sup> H NMR Host-Guest Complexation Studies. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 3575-3583                       | 3.2  | 13 |
| 126 | Imidazole- and Benzimidazole-Based Inhibitors of the Kinase IspE: Targeting the Substrate-Binding Site and the Triphosphate-Binding Loop of the ATP Site. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 1068-1079               | 3.2  | 13 |
| 125 | Sub-Picosecond Singlet Exciton Fission in Cyano-Substituted Diaryltetracenes. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 8803-8807                                                                                                                | 3.6  | 13 |
| 124 | Spannungsvermittelte Bildung chiraler, optisch aktiver Buta-1,3-diene. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 356-361                                                                                                                         | 3.6  | 13 |
| 123 | Fluorophore-Functionalized and Top-Covered Resorcin[4]arene Cavitands. <i>Israel Journal of Chemistry</i> , <b>2012</b> , 52, 20-29                                                                                                                  | 3.4  | 13 |
| 122 | Cascade pericyclic reactions of alleno-acetylenes: facile access to highly substituted cyclobutene, dendralene, pentalene, and indene skeletons. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 12906-11                                  | 4.8  | 13 |
| 121 | Probing hydrogen bonding to bound dioxygen in synthetic models for heme proteins: the importance of precise geometry. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 125-35                                                               | 4.8  | 13 |
| 120 | Synthesis of exo-3-Amino-7-azabicyclo[2.2.1]heptanes as a Class of Malarial Aspartic Protease Inhibitors: Exploration of Two Binding Pockets. <i>European Journal of Organic Chemistry</i> , <b>2009</b> , 2009, 17073-1719                          | 3.2  | 13 |
| 119 | Dendronised block copolymers as potential vectors for gene transfection. <i>Organic and Biomolecular Chemistry</i> , <b>2008</b> , 6, 1905-11                                                                                                        | 3.9  | 13 |
| 118 | Mechanistic Aspects of Metal-Catalyzed C,C- and C,X-Bond-Forming Reactions                                                                                                                                                                           | 1-40 | 13 |



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|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 117 | Elektron-Donor-Acceptor-Wechselwirkungen in Wirt-Gast-Komplexen in organischen Lösungsmitteln. <i>Angewandte Chemie</i> , <b>1986</b> , 98, 1127-1129                                                                                    | 3.6  | 13 |
| 116 | The Quest for Molecular Grippers: Photo-Electric Control of Molecular Gripping Machinery. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 8440-8452                                                                            | 4.8  | 12 |
| 115 | Systematic Variation of Cyanobuta-1,3-dienes and Expanded Tetracyanoquinodimethane Analogues as Electron Acceptors in Photoactive, Rigid Porphyrin Conjugates. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 91-108 | 3.2  | 12 |
| 114 | From homoconjugated push-pull chromophores to donor-acceptor-substituted spiro systems by thermal rearrangement. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 1279-86                                                       | 4.8  | 12 |
| 113 | A mild, thermal pentafulvene-to-benzene rearrangement. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 9827-30                                                                                                      | 16.4 | 12 |
| 112 | Substituenteneffekte auf Stapelwechselwirkungen parallel verschobener $\pi$ -Systeme: der Abstand ist entscheidend. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 11405-11410                                                            | 3.6  | 12 |
| 111 | Ester-Substituted Electron-Poor Alkenes for CycloadditionRetroelectrocyclization (CARE) and Related Reactions. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 7264-7275                                              | 3.2  | 12 |
| 110 | New reactivity of 6,6-bis-donor-substituted pentafulvenes: one-step synthesis of highly substituted [3]cumulene and dihydropentalene. <i>Tetrahedron</i> , <b>2015</b> , 71, 4393-4399                                                   | 2.4  | 12 |
| 109 | Photophysics of two prototypical molecular-wire building blocks: solvent-induced conformational dynamics?. <i>ChemPhysChem</i> , <b>2010</b> , 11, 1700-10                                                                               | 3.2  | 12 |
| 108 | Supramolekulare Aggregate durch Einfließen molekularer Stäbe mit Steroid-Endgruppen in dendritische Cyclophane (Dendrophane). <i>Angewandte Chemie</i> , <b>1998</b> , 110, 3357-3361                                                    | 3.6  | 12 |
| 107 | First asymmetric synthesis of a differentially silyl-protected tris(alkynyl)methyl methyl ether. <i>Organic and Biomolecular Chemistry</i> , <b>2006</b> , 4, 1206-8                                                                     | 3.9  | 12 |
| 106 | Lösen von Cholesterin in Wasser mit Hilfe eines synthetischen Rezeptors. <i>Angewandte Chemie</i> , <b>1994</b> , 106, 1688-1690                                                                                                         | 3.6  | 12 |
| 105 | Hexakis(trimethylsilylethynyl)[3]radialen: ein kohlenstoffreicher Chromophor mit ungewöhnlichen elektronischen Eigenschaften. <i>Angewandte Chemie</i> , <b>1995</b> , 107, 898-901                                                      | 3.6  | 12 |
| 104 | Systematic Investigation of Resorcin[4]arene-Based Cavitands as Affinity Materials on Quartz Crystal Microbalances. <i>ChemPlusChem</i> , <b>2017</b> , 82, 493-497                                                                      | 2.8  | 11 |
| 103 | The 6,6-dicyanopentafulvene core: a template for the design of electron-acceptor compounds. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 8168-76                                                                            | 4.8  | 11 |
| 102 | Paramagnetic Molecular Grippers: The Elements of Six-State Redox Switches. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 2470-7                                                                                        | 6.4  | 11 |
| 101 | PushPull chromophores by reaction of 2,3,5,6-tetrahalo-1,4-benzoquinones with 4-(N,N-dialkylanilino)acetylenes. <i>Tetrahedron</i> , <b>2016</b> , 72, 1213-1224                                                                         | 2.4  | 11 |
| 100 | Outstanding chiroptical properties: a signature of enantiomerically pure alleno-acetylenic macrocycles and monodisperse acyclic oligomers. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 9558-66                             | 4.8  | 11 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 99 | Aufbau des ersten Fulleren-haltigen [2]Catenans durch Selbstorganisation. <i>Angewandte Chemie</i> , <b>1997</b> , 109, 1611-1614                                                                                                                                  | 3.6 | 11 |
| 98 | Structure-Function Relationships in the Complexation of Steroids by a Synthetic Receptor. <i>Helvetica Chimica Acta</i> , <b>1999</b> , 82, 1843-1859                                                                                                              | 2   | 11 |
| 97 | Tricyclo[6.2.0.03,6]deca-1,3,6,8-tetraene: A Remarkably Stable para-Quinodimethane from a Novel Rearrangement Reaction. <i>Angewandte Chemie International Edition in English</i> , <b>1993</b> , 32, 1706-1709                                                    |     | 11 |
| 96 | Enantiopure Alleno-Acetylenic Helicages Containing Multiple Binding Sites. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 16172-16177                                                                                                                   | 4.8 | 10 |
| 95 | Light-Responsive Pyrazine-Based Systems: Probing Aromatic Diarylethene Photocyclization. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 19100-19109                                                                                                   | 3.8 | 10 |
| 94 | Mechanism of Allosteric Inhibition of the Enzyme IspD by Three Different Classes of Ligands. <i>ACS Chemical Biology</i> , <b>2017</b> , 12, 2132-2138                                                                                                             | 4.9 | 10 |
| 93 | Enantiopure laterally functionalized alleno-acetylenic macrocycles: synthesis, chiroptical properties, and self-assembly in aqueous media. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 16070-3                                                       | 4.8 | 10 |
| 92 | Acetylenic Tetrathiafulvalene Scaffolds ¶ Intramolecular Charge-Transfer Molecules. <i>Helvetica Chimica Acta</i> , <b>2011</b> , 94, 1743-1753                                                                                                                    | 2   | 10 |
| 91 | Shape-Persistent Acetylenic Macrocycles for Ordered Systems <b>2005</b> , 427-452                                                                                                                                                                                  |     | 10 |
| 90 | A Four-Step Synthesis of Substituted 5,11-Dicyano-6,12-diaryltetracenes with Enhanced Stability and High Fluorescence Emission. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 159-168                                                                  | 4.8 | 10 |
| 89 | Targeting a Large Active Site: Structure-Based Design of Nanomolar Inhibitors of Trypanosoma brucei Trypanothione Reductase. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 11416-11421                                                                 | 4.8 | 9  |
| 88 | Chinon-basierte redoxaktive Resorcin[4]aren-Cavitanden. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 269-273                                                                                                                                                      | 3.6 | 9  |
| 87 | Donor-substituted diphenylacetylene derivatives act as electron donors and acceptors. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 5628-35                                                                                                              | 4.2 | 9  |
| 86 | Theoretical Studies on Acetylenic Scaffolds <b>2005</b> , 1-50                                                                                                                                                                                                     |     | 9  |
| 85 | Chemical retro-cyclopropanation reactions in methanofullerenes: effect of the 18-crown-6 moiety. <i>Journal of Supramolecular Chemistry</i> , <b>2001</b> , 1, 299-303                                                                                             |     | 9  |
| 84 | Higher Adducts of C60 by Tether-Directed Remote Functionalization: X-Ray Crystal Structure and Reactivity of a Chiral Hexakis-Cyclopropanated Fullerene with all Addends Located along an Equatorial Belt. <i>Angewandte Chemie</i> , <b>2000</b> , 112, 3971-3974 | 3.6 | 9  |
| 83 | Coalescence reactions of fullerenes. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , <b>1993</b> , 26, 300-304                                                                                                                                      |     | 9  |
| 82 | Occupying a flat subpocket in a tRNA-modifying enzyme with ordered or disordered side chains: Favorable or unfavorable for binding?. <i>Bioorganic and Medicinal Chemistry</i> , <b>2016</b> , 24, 4900-4910                                                       | 3.4 | 8  |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---|
| 81 | Alleno-acetylenische Käfigrezeptoren (AAKs) [Chiroptische Schaltung und enantioselektive Komplexierung von trans-1,2-Dimethylcyclohexan in einer diaxialen Konformation. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14659-14664                                                                                                | 3.6     | 8 |
| 80 | Aryl bis-sulfonamides bind to the active site of a homotrimeric isoprenoid biosynthesis enzyme IspF and extract the essential divalent metal cation cofactor. <i>Chemical Science</i> , <b>2018</b> , 9, 5976-5986                                                                                                                | 9.4     | 8 |
| 79 | Replacement of water molecules in a phosphate binding site by furanoside-appended lin-benzoguanine ligands of tRNA-guanine transglycosylase (TGT). <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 126-35                                                                                                               | 4.8     | 8 |
| 78 | High-affinity inhibitors of <i>Zymomonas mobilis</i> tRNA-guanine transglycosylase through convergent optimization. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2013</b> , 69, 1798-807                                                                                                              |         | 8 |
| 77 | Inhibitoren des Herbizid-Targets IspD: Bindung in einer allosterischen Tasche. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 8077-8081                                                                                                                                                                                            | 3.6     | 8 |
| 76 | First enantiomerically pure C70-adducts with a non-inherently chiral addition pattern. <i>New Journal of Chemistry</i> , <b>2009</b> , 33, 386-396                                                                                                                                                                                | 3.6     | 8 |
| 75 | Shape-Persistent Macrocycles Based on Acetylenic Scaffolding                                                                                                                                                                                                                                                                      | 185-231 | 8 |
| 74 | Molecular Recognition and Cocrystallization of Methylated and Halogenated Fragments of Danicalipin A by Enantiopure Alleno-Acetylenic Cage Receptors. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 4749-4755                                                                                              | 16.4    | 7 |
| 73 | Biological Evaluation and X-ray Co-crystal Structures of Cyclohexylpyrrolidine Ligands for Trypanothione Reductase, an Enzyme from the Redox Metabolism of Trypanosoma. <i>ChemMedChem</i> , <b>2018</b> , 13, 957-967                                                                                                            | 3.7     | 7 |
| 72 | Unconventional Synthesis of a Cu Rotaxane with a Superacceptor Stopper: Ultrafast Excited-State Dynamics and Near-Infrared Luminescence. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 10422-10433                                                                                                                    | 4.8     | 7 |
| 71 | Towards Stapling of Helical Alleno-Acetylene Oligomers [Synthesis of an Enantiopure Bis(ethynylvinylidene)-Substituted Cyclohexadeca-1,3,9,11-tetrayne. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 941-953                                                                                                | 3.2     | 7 |
| 70 | Pseudiline: halogenierte, allosterische Inhibitoren des Enzyms IspD aus dem Mevalonat-unabhängigen Biosyntheseweg. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 2267-2272                                                                                                                                                        | 3.6     | 7 |
| 69 | A convenient synthesis of new chromophoric tetracyanobutadiene-scaffolded peptides via a dipolar [2+2] cycloaddition/cycloreversion reaction. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 4021-4025                                                                                                                            | 2       | 7 |
| 68 | Carbon-Carbon Bond-Forming Reactions Mediated by Organomagnesium Reagents                                                                                                                                                                                                                                                         | 671-698 | 7 |
| 67 | Exploiting the Confined Reactivity of C <sub>2v</sub> -Symmetrical Pentakis-Adducts of [60]Fullerene: Regioselective Formation of Hexakis-, Heptakis-, and Octakis-Adducts with Novel Addition Patterns by Addition of Diazomethane Followed by Dinitrogen Extrusion. <i>Helvetica Chimica Acta</i> , <b>2001</b> , 84, 1635-1660 | 2       | 7 |
| 66 | Exploring the Strength of the H-Bond in Synthetic Models for Heme Proteins: The Importance of the N-H Acidity of the Distal Base. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 10194-202                                                                                                                             | 4.8     | 7 |
| 65 | Electronic Structures and Chiroptical Properties of Post-functionalized Helicene Quinones. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 7152-7                                                                                                                                                                       | 4.8     | 7 |
| 64 | Penta-2,4-dien-1-ones by Formal [3+2] Cycloaddition/Rearrangement of Electron-Deficient Diethyl 2-(Dicyanomethylene)malonate with Alkynes. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 716-724                                                                                                             | 3.2     | 7 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|
| 63 | Enhancement of PushPull Properties of Pentafulvene and Pentafulvalene Derivatives by Protonation at Carbon. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 739-749                                                                                 | 3.2  | 6 |
| 62 | On the association of neutral and cationic tris(tetrathiafulvaleno)dodecadehydro[18]annulenes. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 425-429                                                                                                   | 3.9  | 6 |
| 61 | Light-actuated resorcin[4]arene cavitands. <i>Tetrahedron</i> , <b>2018</b> , 74, 5615-5626                                                                                                                                                                            | 2.4  | 6 |
| 60 | Exploring the Ribose Sub-Pocket of the Substrate-Binding Site in Escherichia coli IspE: Structure-Based Design, Synthesis, and Biological Evaluation of Cytosines and Cytosine Analogues. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, 3278-3287 | 3.2  | 6 |
| 59 | 5-Substituted (1-Thiolan-2-yl)cytosines as Inhibitors of A. aeolicus and E. coli IspE Kinases: Very Different Affinities to Similar Substrate-Binding Sites. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 880-887                                | 3.2  | 6 |
| 58 | Fullerene- and porphyrin-appended crown ethers: Synthesis and preparation of stable langmuir and langmuir-blodgett films. <i>Israel Journal of Chemistry</i> , <b>2005</b> , 45, 303-319                                                                               | 3.4  | 6 |
| 57 | Facile Synthesis of Diastereoisomerically and Optically Pure 2-Substituted Hexahydro-1H-pyrrolizin-3-ones. <i>Helvetica Chimica Acta</i> , <b>2005</b> , 88, 2250-2261                                                                                                 | 2    | 6 |
| 56 | Sugar Acetonides are a Superior Motif for Addressing the Large, Solvent-Exposed Ribose-33 Pocket of tRNA-Guanine Transglycosylase. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 9957-9967                                                                 | 4.8  | 6 |
| 55 | Swapping Interface Contacts in the Homodimeric tRNA-Guanine Transglycosylase: An Option for Functional Regulation. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10085-10090                                                                    | 16.4 | 6 |
| 54 | Helical Threads: Enantiomerically Pure Carbo[6]Helicene Oligomers. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 14153-14157                                                                                                                               | 4.8  | 5 |
| 53 | A convenient [2+2] cycloaddition-cycloreversion reaction for the synthesis of 1,1-dicyanobuta-1,3-diene-scaffolded peptides as new imaging chromophores. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 6963-6967                                                      | 2    | 5 |
| 52 | Optically Active Trialkynyl(phenyl)methane: Synthesis and Determination of Its Absolute Configuration by Vibrational Circular Dichroism (VCD) and Optical Rotatory Dispersion (ORD). <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 2452-2456      | 3.2  | 5 |
| 51 | Synthesis of Dicyano-Substituted Benzo[c]fluorenes from Tetraaryl[3]cumulenes. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 2919-2924                                                                                                            | 3.2  | 5 |
| 50 | Hydrogen-Bonded Networks: Molecular Recognition of Cyclic Alcohols in Enantiopure Alleno-Acetylenic Cage Receptors. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 16296-16301                                                                   | 16.4 | 5 |
| 49 | Spectro-electrochemical toolbox for monitoring and controlling quinone-mediated redox-driven molecular gripping. <i>Electrochimica Acta</i> , <b>2019</b> , 313, 544-560                                                                                               | 6.7  | 4 |
| 48 | Thioether-Functionalized Quinone-Based Resorcin[4]arene Cavitands: Electroswitchable Molecular Actuators. <i>Helvetica Chimica Acta</i> , <b>2019</b> , 102, e1800225                                                                                                  | 2    | 4 |
| 47 | Synthesis of trans-A2B2- and trans-A2BC-Porphyrins with Polar 4-(Dimethylamino)tolan-4-yl Substituents, and a Screening Protocol for Vapor-Phase Deposition on Metal Surfaces. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 5705-5719            | 3.2  | 4 |
| 46 | Alleno-acetylenic scaffolding for the construction of axially chiral C60 dimers. <i>Tetrahedron</i> , <b>2014</b> , 70, 6193-6202                                                                                                                                      | 2.4  | 4 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|
| 45 | 125 years of chemistry in the mirror of "angewandte". <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 2714-42                                                                                 | 16.4 | 4 |
| 44 | Ground and Excited State Electronic Interactions in PushPull-Chromophore[60]Fullerene Conjugates. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2014</b> , 22, 99-127                                 | 1.8  | 4 |
| 43 | Regioselectivity in Tether-Directed Remote Functionalization □The Addition of a Cyclotrimeratrylene-Based Trimalonate to C60 Revisited. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, n/a-n/a | 3.2  | 4 |
| 42 | Molecular Recognition Studies with Cyclophane Receptors in Aqueous Solutions <b>2005</b> , 519-546                                                                                                                 |      | 4 |
| 41 | A new synthon for the incorporation of [60]fullerene in macrocycles. <i>New Journal of Chemistry</i> , <b>1999</b> , 23, 1125-1127                                                                                 | 3.6  | 4 |
| 40 | An Immucillin-Based Transition-State-Analogous Inhibitor of tRNA-Guanine Transglycosylase (TGT). <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 6750-4                                                  | 4.8  | 3 |
| 39 | Eine milde thermische Pentafulven-Benzol-Umlagerung. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 10010-10013                                                                                                     | 3.6  | 3 |
| 38 | Synthesis of 1,2,4-Trisubstituted Imidazoles and 1,3,5-Trisubstituted 1,2,4-Triazoles. <i>Heterocycles</i> , <b>2008</b> , 76, 401                                                                                 | 0.8  | 3 |
| 37 | Optimizing specific third-order polarizabilities and approaching the fundamental limit in donor substituted cyanoethynylethene (CEE) molecules <b>2006</b> , 6331, 633101                                          |      | 3 |
| 36 | Functional Conjugated Materials for Optonics and Electronics by Tetraethynylethene Molecular Scaffolding <b>1965</b> -216                                                                                          |      | 3 |
| 35 | Determination of End-to-End Distances in a Series of TEMPO Diradicals of up to 2.8 nm Length with a New Four-Pulse Double Electron Electron Resonance Experiment <b>1998</b> , 37, 2833                            |      | 3 |
| 34 | Metal-acetylide addition to tetracyanoethylene. <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 2414-2416                                                                                                           | 2    | 2 |
| 33 | Fragment Screening Hit Draws Attention to a Novel Transient Pocket Adjacent to the Recognition Site of the tRNA-Modifying Enzyme TGT. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 6802-6820          | 8.3  | 2 |
| 32 | Adsorbate-Induced Modification of the Confining Barriers in a Quantum Box Array. <i>ACS Nano</i> , <b>2018</b> , 12, 768-778                                                                                       | 16.7 | 2 |
| 31 | Austausch der Proteinkontaktflächen in der homodimeren tRNA-Guanin-Transglycosylase: ein Weg der funktionellen Regulation. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10242-10247                               | 3.6  | 2 |
| 30 | 125 Jahre Chemie im Spiegel der "Angewandten" □ <i>Angewandte Chemie</i> , <b>2013</b> , 125, 2778-2807                                                                                                            | 3.6  | 2 |
| 29 | Switching Processes in Cavitands, Containers and Capsules <b>2011</b> , 257-300                                                                                                                                    |      | 2 |
| 28 | Unraveling a Ligand-Induced Twist of a Homodimeric Enzyme by Pulsed Electron-Electron Double Resonance. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 23419-23426                           | 16.4 | 2 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
| 27 | Linear Monodisperse EConjugated Oligomers: Model Compounds for Polymers and More <b>1999</b> , 38, 1350                                                                                                                                                                    |     | 2 |
| 26 | Charge-Transfer Salts of 6,6-Dicyanopentafulvenes: From Topology to Charge Separation in Solution. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 13616-13623                                                                                                   | 4.8 | 1 |
| 25 | Small Molecule Crystallography in the Laboratory of Organic Chemistry at ETH Zürich. <i>Israel Journal of Chemistry</i> , <b>2017</b> , 57, 39-54                                                                                                                          | 3.4 | 1 |
| 24 | 8-Substituted, syn-Configured Adenosine Derivatives as Potential Inhibitors of the Enzyme IspE from the Non-Mevalonate Pathway of Isoprenoid Biosynthesis. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 7276-7286                                    | 3.2 | 1 |
| 23 | Higher Fullerenes: Chirality and Covalent Adducts <b>2010</b> , 129-171                                                                                                                                                                                                    |     | 1 |
| 22 | Rebek Imides and Their Adenine Complexes: Preferences for Hoogsteen Binding in the Solid State and in Solution. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 763-763                                                                                           | 4.8 | 1 |
| 21 | Interactions with Aromatic Rings in Chemical and Biological Recognition.. <i>ChemInform</i> , <b>2003</b> , 34, no                                                                                                                                                         |     | 1 |
| 20 | Structure and properties of superconducting and nonsuperconducting alkali-metal fullerenes axc60 (A = Na, K, Rb, or Cs). <i>Makromolekulare Chemie Macromolecular Symposia</i> , <b>1992</b> , 59, 389-397                                                                 |     | 1 |
| 19 | In My Element: Carbon. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 3968-3968                                                                                                                                                                                 | 4.8 | 1 |
| 18 | Determination of End-to-End Distances in a Series of TEMPO Diradicals of up to 2.8 nm Length with a New Four-Pulse Double Electron Electron Resonance Experiment <b>1998</b> , 37, 2833                                                                                    |     | 1 |
| 17 | Monodisperse Poly(triacetylene) Rods: Synthesis of a 11.9 nm Long Molecular Wire and Direct Determination of the Effective Conjugation Length by UV/Vis and Raman Spectroscopies <b>1999</b> , 38, 817                                                                     |     | 1 |
| 16 | Dendritic Iron Porphyrins with Tethered Axial Ligands: New Model Compounds for Cytochromes <b>1999</b> , 38, 3215                                                                                                                                                          |     | 1 |
| 15 | Cyclophane-Type Fullerene-dibenzo[18]crown-6 Conjugates with trans-1, trans-2, and trans-3 Addition Patterns: Regioselective Templated Synthesis, X-Ray Crystal Structure, Ionophoric Properties, and Cation-Complexation-Dependent Redox Behavior <b>1999</b> , 82, 1572  |     | 1 |
| 14 | Palladium-Catalyzed Coupling Reactions of Propargyl Compounds 585-618                                                                                                                                                                                                      |     | 0 |
| 13 | Stimuli-Responsive Resorcin[4]arene Cavitands: Toward Visible-Light-Activated Molecular Grippers. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 11451-11461                                                                                                    | 4.8 | 0 |
| 12 | Titelbild: Halogenverbrückte supramolekulare Kapseln im Festkörper, in Lösung und in der Gasphase (Angew. Chem. 4/2017). <i>Angewandte Chemie</i> , <b>2017</b> , 129, 929-929                                                                                             | 3.6 |   |
| 11 | Inside Cover: Synthesis, Inhibition Potency, Binding Mode, and Antiprotozoal Activities of Fluorescent Inhibitors of Trypanothione Reductase Based on Mepacrine-Conjugated Diaryl Sulfide Scaffolds (ChemMedChem 12/2009). <i>ChemMedChem</i> , <b>2009</b> , 4, 1958-1958 | 3.7 |   |
| 10 | Titelbild: Ein enantiomerenreiner alleno-acetylenischer Makrocyclus: Synthese und Interpretation seiner herausragenden chiroptischen Eigenschaften (Angew. Chem. 30/2009). <i>Angewandte Chemie</i> , <b>2009</b> , 121, 5485-5485                                         | 3.6 |   |



- 9 Cover Picture: An Enantiomerically Pure Alleno-Acetylenic Macrocycle: Synthesis and Rationalization of Its Outstanding Chiroptical Response (Angew. Chem. Int. Ed. 30/2009). *Angewandte Chemie - International Edition*, **2009**, 48, 5381-5381 16.4
- 8 Inside Cover: Enantiomerically Pure Alleno-Acetylenic Macrocycles: Synthesis, Solid-State Structures, Chiroptical Properties, and Electron Localization Function Analysis (Chem. Eur. J. 32/2010). *Chemistry - A European Journal*, **2010**, 16, 9694-9694 4.8
- 7 Cover Picture: Direct Evidence for a Hydrogen Bond to Bound Dioxygen in a Myoglobin/Hemoglobin Model System and in Cobalt Myoglobin by Pulse-EPR Spectroscopy (Angew. Chem. Int. Ed. 14/2008). *Angewandte Chemie - International Edition*, **2008**, 47, 2515-2515 16.4
- 6 Titelbild: Direkter Nachweis einer Wasserstoffbrücke zu gebundenem Disauerstoff in einem Modellkomplex für Myoglobin/Hämoglobin und in Cobalt-Myoglobin durch Puls-EPR (Angew. Chem. 14/2008). *Angewandte Chemie*, **2008**, 120, 2549-2549 3.6
- 5 Titelbild: Angew. Chem. 22/2002. *Angewandte Chemie*, **2002**, 114, 4329-4329 3.6
- 4 Cover Picture: Angew. Chem. Int. Ed. 22/2002. *Angewandte Chemie - International Edition*, **2002**, 41, 4155-4155 16.4
- 3 From Fullerenes to Novel Carbon Allotropes: Exciting Prospects for Organic Synthesis **2005**, 161-186
- 2 Wasserstoffbrücken-Netzwerke: molekulare Erkennung zyklischer Alkohole in enantiomerenreinen alleno-acetylenischen Kβgrezeptoren. *Angewandte Chemie*, **2018**, 130, 16534-16539 3.6
- 1 Entschlüsselung der ligandeninduzierten Verdrehung eines homodimeren Enzyms mit Hilfe der gepulsten Elektron-Elektron-Doppelresonanz-Spektroskopie. *Angewandte Chemie*, **2021**, 133, 23607 3.6