

Francois Diederich

List of Publications by Year in Descending Order

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

674
papers

47,278
citations

93
h-index

187
g-index

735
ext. papers

50,153
ext. citations

6.9
avg, IF

7.68
L-index

#	Paper	IF	Citations
674	Unraveling a Ligand-Induced Twist of a Homodimeric Enzyme by Pulsed Electron-Electron Double Resonance. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23419-23426	16.4	2
673	Entschlüsselung der ligandeninduzierten Verdrehung eines homodimeren Enzyms mit Hilfe der gepulsten Elektron-Elektron-Doppelresonanz-Spektroskopie. <i>Angewandte Chemie</i> , 2021 , 133, 23607	3.6	
672	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> , 2020 , 63, 6802-6820	8.3	2
671	Molecular Recognition and Cocrystallization of Methylated and Halogenated Fragments of Danicalipin A by Enantiopure Allenic Cage Receptors. <i>Journal of the American Chemical Society</i> , 2020 , 142, 4749-4755	16.4	7
670	Stimuli-Responsive Resorcin[4]arene Cavitands: Toward Visible-Light-Activated Molecular Grippers. <i>Chemistry - A European Journal</i> , 2020 , 26, 11451-11461	4.8	0
669	The Quest for Molecular Grippers: Photo-Electric Control of Molecular Gripping Machinery. <i>Chemistry - A European Journal</i> , 2019 , 25, 8440-8452	4.8	12
668	Helicene Monomers and Dimers: Chiral Chromophores Featuring Strong Circularly Polarized Luminescence. <i>Chemistry - A European Journal</i> , 2019 , 25, 8003-8007	4.8	30
667	Spectro-electrochemical toolbox for monitoring and controlling quinone-mediated redox-driven molecular gripping. <i>Electrochimica Acta</i> , 2019 , 313, 544-560	6.7	4
666	Thioether-Functionalized Quinone-Based Resorcin[4]arene Cavitands: Electroswitchable Molecular Actuators. <i>Helvetica Chimica Acta</i> , 2019 , 102, e1800225	2	4
665	Targeting a Large Active Site: Structure-Based Design of Nanomolar Inhibitors of Trypanosoma brucei Trypanothione Reductase. <i>Chemistry - A European Journal</i> , 2019 , 25, 11416-11421	4.8	9
664	In My Element: Carbon. <i>Chemistry - A European Journal</i> , 2019 , 25, 3968-3968	4.8	1
663	Chalcogen Bonding "2S-2N Squares" versus Competing Interactions: Exploring the Recognition Properties of Sulfur. <i>Chemistry - A European Journal</i> , 2019 , 25, 323-333	4.8	52
662	The [2+2] Cycloaddition-Retroelectrocyclization (CA-RE) Click Reaction: Facile Access to Molecular and Polymeric Push-Pull Chromophores. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3552-3577	16.4	72
661	Potent Inhibitors of Plasmodial Serine Hydroxymethyltransferase (SHMT) Featuring a Spirocyclic Scaffold. <i>ChemMedChem</i> , 2018 , 13, 931-943	3.7	14
660	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> , 2018 , 13, 957-967	3.7	7
659	Molecular Recognition with Resorcin[4]arene Cavitands: Switching, Halogen-Bonded Capsules, and Enantioselective Complexation. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2705-2717	16.4	78
658	Enhancement of PushPull Properties of Pentafulvene and Pentafulvalene Derivatives by Protonation at Carbon. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 739-749	3.2	6

657	Photoredox-Switchable Resorcin[4]arene Cavitands: Radical Control of Molecular Gripping Machinery via Hydrogen Bonding. <i>Chemistry - A European Journal</i> , 2018 , 24, 1431-1440	4.8	13
656	Adsorbate-Induced Modification of the Confining Barriers in a Quantum Box Array. <i>ACS Nano</i> , 2018 , 12, 768-778	16.7	2
655	Unconventional Synthesis of a Cu Rotaxane with a Superacceptor Stopper: Ultrafast Excited-State Dynamics and Near-Infrared Luminescence. <i>Chemistry - A European Journal</i> , 2018 , 24, 10422-10433	4.8	7
654	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> , 2018 , 61, 3350-3369	8.3	15
653	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> , 2018 , 61, 3370-3388	8.3	26
652	Austausch der Proteinkontaktflächen in der homodimeren tRNA-Guanin-Transglycosylase: ein Weg der funktionellen Regulation. <i>Angewandte Chemie</i> , 2018 , 130, 10242-10247	3.6	2
651	Light-actuated resorcin[4]arene cavitands. <i>Tetrahedron</i> , 2018 , 74, 5615-5626	2.4	6
650	Charge-Transfer Salts of 6,6-Dicyanopentafulvenes: From Topology to Charge Separation in Solution. <i>Chemistry - A European Journal</i> , 2018 , 24, 13616-13623	4.8	1
649	Light-Responsive Pyrazine-Based Systems: Probing Aromatic Diarylethene Photocyclization. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 19100-19109	3.8	10
648	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> , 2018 , 9, 5976-5986	9.4	8
647	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> , 2018 , 24, 159-168	4.8	10
646	Hydrogen-Bonded Networks: Molecular Recognition of Cyclic Alcohols in Enantiopure Alleno-Acetylenic Cage Receptors. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16296-16301	16.4	5
645	Die [2+2]-Cycloadditions-Retroelektrocyclisierungs(CA-RE)-Klick-Reaktion: ein einfacher Zugang zu molekularen und polymeren Push-pull-Chromophoren. <i>Angewandte Chemie</i> , 2018 , 130, 3612-3638	3.6	15
644	Supramolecular Capsules: Strong versus Weak Chalcogen Bonding. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 17259-17264	16.4	77
643	Wasserstoffbrücken-Netzwerke: molekulare Erkennung zyklischer Alkohole in enantiomerenreinen alleno-acetylenischen Käfigrezeptoren. <i>Angewandte Chemie</i> , 2018 , 130, 16534-16539	3.6	
642	Supramolekulare Kapseln: starke und schwache Chalkogenbrücken im Vergleich. <i>Angewandte Chemie</i> , 2018 , 130, 17506-17512	3.6	23
641	Selective Extraction of C by a Tetragonal Prismatic Porphyrin Cage. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13835-13842	16.4	64
640	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> , 2018 , 24, 9957-9967	4.8	6

639	Swapping Interface Contacts in the Homodimeric tRNA-Guanine Transglycosylase: An Option for Functional Regulation. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10085-10090	16.4	6
638	Halogenverbundene supramolekulare Kapseln im Festkörper, in Lösung und in der Gasphase. <i>Angewandte Chemie</i> , 2017 , 129, 1172-1177	3.6	23
637	Porphyrin Donor and Tunable Push-Pull Acceptor Conjugates-Experimental Investigation of Marcus Theory. <i>Chemistry - A European Journal</i> , 2017 , 23, 6357-6369	4.8	18
636	Systematic Investigation of Resorcin[4]arene-Based Cavitands as Affinity Materials on Quartz Crystal Microbalances. <i>ChemPlusChem</i> , 2017 , 82, 493-497	2.8	11
635	Metal-acetylide addition to tetracyanoethylene. <i>Tetrahedron Letters</i> , 2017 , 58, 2414-2416	2	2
634	Substituent Effects in Parallel-Displaced π -Stacking Interactions: Distance Matters. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11252-11257	16.4	63
633	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> , 2017 , 60, 4840-4860	8.3	25
632	Prospective Evaluation of Free Energy Calculations for the Prioritization of Cathepsin L Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 2485-2497	8.3	82
631	Halogen-Bonded Supramolecular Capsules in the Solid State, in Solution, and in the Gas Phase. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1152-1157	16.4	81
630	Inhibition of the Cysteine Protease Human Cathepsin L by Triazine Nitriles: Amide- π -Heteroarene π -Stacking Interactions and Chalcogen Bonding in the S3 Pocket. <i>ChemMedChem</i> , 2017 , 12, 257-270	3.7	35
629	Conformational Aspects in the Design of Inhibitors for Serine Hydroxymethyltransferase (SHMT): Biphenyl, Aryl Sulfonamide, and Aryl Sulfone Motifs. <i>Chemistry - A European Journal</i> , 2017 , 23, 14345-14357	4.8	15
628	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> , 2017 , 12, e0175723	3.7	20
627	Helical Threads: Enantiomerically Pure Carbo[6]Helicene Oligomers. <i>Chemistry - A European Journal</i> , 2017 , 23, 14153-14157	4.8	5
626	Titelbild: Halogenverbundene supramolekulare Kapseln im Festkörper, in Lösung und in der Gasphase (Angew. Chem. 4/2017). <i>Angewandte Chemie</i> , 2017 , 129, 929-929	3.6	
625	Substituenteneffekte auf Stapelwechselwirkungen parallel verschobener π -Systeme: der Abstand ist entscheidend. <i>Angewandte Chemie</i> , 2017 , 129, 11405-11410	3.6	12
624	Substituent Effects on Singlet Exciton Fission in Polycrystalline Thin Films of Cyano-Substituted Diaryltetracenes. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 21262-21271	3.8	22
623	Dispersion and Halogen-Bonding Interactions: Binding of the Axial Conformers of Monohalo- and (E)-trans-1,2-Dihalocyclohexanes in Enantiopure Alleno-Acetylenic Cages. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12190-12200	16.4	22
622	Mechanism of Allosteric Inhibition of the Enzyme IspD by Three Different Classes of Ligands. <i>ACS Chemical Biology</i> , 2017 , 12, 2132-2138	4.9	10

621	Small Molecule Crystallography in the Laboratory of Organic Chemistry at ETH Zürich. <i>Israel Journal of Chemistry</i> , 2017 , 57, 39-54	3.4	1
620	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> , 2016 , 24, 4900-4910	3.4	8
619	Design and Synthesis of Aviram-Ratner-Type Dyads and Rectification Studies in Langmuir-Blodgett (LB) Films. <i>Chemistry - A European Journal</i> , 2016 , 22, 10539-47	4.8	19
618	Enantiopure Alleno-Acetylenic Helicages Containing Multiple Binding Sites. <i>Chemistry - A European Journal</i> , 2016 , 22, 16172-16177	4.8	10
617	Alleno-acetylenische Kfingrezeptoren (AAKs) fthiropische Schaltung und enantioselektive Komplexierung von trans-1,2-Dimethylcyclohexan in einer diaxialen Konformation. <i>Angewandte Chemie</i> , 2016 , 128, 14659-14664	3.6	8
616	Fluorine Scan of Inhibitors of the Cysteine Protease Human Cathepsin L: Dipolar and Quadrupolar Effects in the fStacking of Fluorinated Phenyl Rings on Peptide Amide Bonds. <i>ChemMedChem</i> , 2016 , 11, 1042-7	3.7	28
615	An Immucillin-Based Transition-State-Analogous Inhibitor of tRNA-Guanine Transglycosylase (TGT). <i>Chemistry - A European Journal</i> , 2016 , 22, 6750-4	4.8	3
614	Paramagnetic Molecular Grippers: The Elements of Six-State Redox Switches. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2470-7	6.4	11
613	PushfPull chromophores by reaction of 2,3,5,6-tetrahalo-1,4-benzoquinones with 4-(N,N-dialkylanilino)acetylenes. <i>Tetrahedron</i> , 2016 , 72, 1213-1224	2.4	11
612	On the association of neutral and cationic tris(tetrathiafulvaleno)dodecadehydro[18]annulenes. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 425-429	3.9	6
611	Synthesis of Dicyano-Substituted Benzo[c]fluorenes from Tetraaryl[3]cumulenes. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 2919-2924	3.2	5
610	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> , 2016 , 22, 10194-202	4.8	7
609	Intense Ground-State Charge-Transfer Interactions in Low-Bandgap, Panchromatic Phthalocyanine-Tetracyanobuta-1,3-diene Conjugates. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5560-4	16.4	38
608	Electronic Structures and Chiroptical Properties of Post-functionalized Helicene Quinones. <i>Chemistry - A European Journal</i> , 2016 , 22, 7152-7	4.8	7
607	Penta-2,4-dien-1-ones by Formal [3+2] CycloadditionfRearrangement of Electron-Deficient Diethyl 2-(Dicyanomethylene)malonate with Alkfynes. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 716-724	3.2	7
606	Intense Ground-State Charge-Transfer Interactions in Low-Bandgap, Panchromatic PhthalocyaninefTetracyanobuta-1,3-diene Conjugates. <i>Angewandte Chemie</i> , 2016 , 128, 5650-5654	3.6	22
605	Addressing the Glycine-Rich Loop of Protein Kinases by a Multi-Faceted Interaction Network: Inhibition of PKA and a PKB Mimic. <i>Chemistry - A European Journal</i> , 2016 , 22, 211-21	4.8	17
604	A Three-Step Synthesis of Tetrasubstituted NH-Pyrroles. <i>Organic Letters</i> , 2016 , 18, 2252-5	6.2	18

603	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> , 2016 , 55, 14444-14449	16.4	27
602	Molekulare Erkennung in chemischen und biologischen Systemen. <i>Angewandte Chemie</i> , 2015 , 127, 3341-3382	3.8	95
601	Push-Pull Buta-1,2,3-trienes: exceptionally low rotational barriers of cumulenic C=C bonds and proacetylenic reactivity. <i>Chemistry - A European Journal</i> , 2015 , 21, 6215-25	4.8	23
600	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> , 2015 , 17, 3506-9	6.2	26
599	Two-photon absorption and spectroscopy of the lowest two-photon transition in small donor-acceptor substituted organic molecules. <i>Physical Review A</i> , 2015 , 91,	2.6	13
598	The 6,6-dicyanopentafulvene core: a template for the design of electron-acceptor compounds. <i>Chemistry - A European Journal</i> , 2015 , 21, 8168-76	4.8	11
597	Inhibitors of plasmodial serine hydroxymethyltransferase (SHMT): cocrystal structures of pyrazolopyrans with potent blood- and liver-stage activities. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 3117-30	8.3	33
596	Anilino-Substituted Multicyanobuta-1,3-diene Electron Acceptors: TICT Molecules with Accessible Conical Intersections. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 10677-83	2.8	13
595	Heat-induced formation of one-dimensional coordination polymers on Au(111): an STM study. <i>Chemical Communications</i> , 2015 , 51, 14473-6	5.8	24
594	Homochiral [2]Catenane and Bis[2]catenane from Alleno-Acetylenic Helicates - A Highly Selective Narcissistic Self-Sorting Process. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12502-5	16.4	56
593	Synthesis and optoelectronic properties of Janus-dendrimer-type multivalent donor-acceptor systems. <i>Journal of Organic Chemistry</i> , 2015 , 80, 882-96	4.2	34
592	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> , 2015 , 2015, 91-108	3.2	12
591	6,6-Dicyanopentafulvenes: teaching an old dog new tricks. <i>Chemical Record</i> , 2015 , 15, 19-30	6.6	21
590	Strain-accelerated formation of chiral, optically active buta-1,3-dienes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 349-54	16.4	27
589	Halogenverbrückte molekulare Kapseln. <i>Angewandte Chemie</i> , 2015 , 127, 12516-12521	3.6	36
588	Sub-Picosecond Singlet Exciton Fission in Cyano-Substituted Diaryltetracenes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8679-83	16.4	53
587	Aryl Bis-Sulfonamide Inhibitors of IspF from <i>Arabidopsis thaliana</i> and <i>Plasmodium falciparum</i> . <i>ChemMedChem</i> , 2015 , 10, 2090-8	3.7	15
586	Sub-Picosecond Singlet Exciton Fission in Cyano-Substituted Diaryltetracenes. <i>Angewandte Chemie</i> , 2015 , 127, 8803-8807	3.6	13

585	Spannungsvermittelte Bildung chiraler, optisch aktiver Buta-1,3-diene. <i>Angewandte Chemie</i> , 2015 , 127, 356-361	3.6	13
584	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> , 2015 , 2015, 7276-7286	3.2	1
583	Rebek imide platforms as model systems for the investigation of weak intermolecular interactions. <i>Chemistry - A European Journal</i> , 2015 , 21, 8455-63	4.8	15
582	Ester-Substituted Electron-Poor Alkenes for CycloadditionRetroelectrocyclization (CARE) and Related Reactions. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 7264-7275	3.2	12
581	Halogen bonding molecular capsules. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12339-44	16.4	130
580	The Impact of Antiaromatic Subunits in $[4n+2]$ π Systems: Bispentalenes with $[4n+2]$ π Electron Perimeters and Antiaromatic Character. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7178-88	16.4	94
579	New reactivity of 6,6-bis-donor-substituted pentafulvenes: one-step synthesis of highly substituted [3]cumulene and dihydropentalene. <i>Tetrahedron</i> , 2015 , 71, 4393-4399	2.4	12
578	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> , 2015 , 21, 126-35	4.8	8
577	Molecular recognition in chemical and biological systems. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 3290-327	16.4	380
576	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> , 2014 , 20, 4608-16	4.8	51
575	Pseudilins: halogenated, allosteric inhibitors of the non-mevalonate pathway enzyme IspD. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2235-9	16.4	47
574	From homoconjugated push-pull chromophores to donor-acceptor-substituted spiro systems by thermal rearrangement. <i>Chemistry - A European Journal</i> , 2014 , 20, 1279-86	4.8	12
573	Synthesis of cyano-substituted diaryltetracenes from tetraaryl[3]cumulenes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4341-5	16.4	31
572	Binding to large enzyme pockets: small-molecule inhibitors of trypanothione reductase. <i>ChemMedChem</i> , 2014 , 9, 1880-91	3.7	34
571	Chiroptical detection of nonchromophoric, achiral guests by enantiopure alleno-acetylenic helicages. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13614-8	16.4	44
570	One-pot access to push-pull oligoenes by sequential $[2 + 2]$ cycloaddition-retroelectrocyclization reactions. <i>Journal of Organic Chemistry</i> , 2014 , 79, 426-31	4.2	22
569	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> , 2014 , 57, 5566-78	8.3	15
568	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> , 2014 , 136, 13045-52	16.4	103

567	Outstanding chiroptical properties: a signature of enantiomerically pure alleno-acetylenic macrocycles and monodisperse acyclic oligomers. <i>Chemistry - A European Journal</i> , 2014 , 20, 9558-66	4.8	11
566	Chasing protons: how isothermal titration calorimetry, mutagenesis, and pKa calculations trace the locus of charge in ligand binding to a tRNA-binding enzyme. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 5554-65	8.3	22
565	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> , 2014 , 2014, 5705-5719	3.2	4
564	Evaluation of hydrogen-bond acceptors for redox-switchable resorcin[4]arene cavitands. <i>Journal of the American Chemical Society</i> , 2014 , 136, 3852-8	16.4	35
563	Experimental and computational study of BODIPY dye-labeled cavitand dynamics. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2441-9	16.4	18
562	Development of redox-switchable resorcin[4]arene cavitands. <i>Accounts of Chemical Research</i> , 2014 , 47, 2096-105	24.3	93
561	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> , 2014 , 2014, 941-953	3.2	7
560	Halogen bonding of (iodoethynyl)benzene derivatives in solution. <i>Organic Letters</i> , 2014 , 16, 4722-5	6.2	102
559	Alleno-acetylenic scaffolding for the construction of axially chiral C60 dimers. <i>Tetrahedron</i> , 2014 , 70, 6193-6202	2.4	4
558	Cyanobuta-1,3-dienes as novel electron acceptors for photoactive multicomponent systems. <i>Chemistry - A European Journal</i> , 2014 , 20, 202-16	4.8	33
557	Resorcin[4]arene-Based Molecular Baskets and Water-Soluble Container Molecules: Synthesis and 1H NMR Host-Guest Complexation Studies. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 3575-3583	3.2	13
556	Chiroptische Detektion achiraler Gäste ohne Chromophor durch enantiomerenreine alleno-acetylenische helicale Käfige. <i>Angewandte Chemie</i> , 2014 , 126, 13833-13837	3.6	17
555	Synthese von Cyano-substituierten Diaryltetracenen ausgehend von Tetraaryl[3]cumulenen. <i>Angewandte Chemie</i> , 2014 , 126, 4430-4434	3.6	20
554	Pseudiline: halogenierte, allosterische Inhibitoren des Enzyms IspD aus dem Mevalonat-unabhängigen Biosyntheseweg. <i>Angewandte Chemie</i> , 2014 , 126, 2267-2272	3.6	7
553	Enantiopure laterally functionalized alleno-acetylenic macrocycles: synthesis, chiroptical properties, and self-assembly in aqueous media. <i>Chemistry - A European Journal</i> , 2014 , 20, 16070-3	4.8	10
552	All-optical switching with 1-ps response time in a DDMEBT enabled silicon grating coupler/resonator hybrid device. <i>Optics Express</i> , 2014 , 22, 24530-44	3.3	14
551	Ground and Excited State Electronic Interactions in Push-Pull-Chromophore[C60]Fullerene Conjugates. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2014 , 22, 99-127	1.8	4
550	Impact of protein and ligand impurities on ITC-derived protein-ligand thermodynamics. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 2843-50	4	17

549	Donor-substituted octacyano[4]dendralenes: investigation of electron delocalization in their radical ions. <i>Journal of Organic Chemistry</i> , 2013 , 78, 1760-7	4.2	24
548	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> , 2013 , 2013, 1068-1079	3.2	13
547	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> , 2013 , 49, 7605-7	5.8	18
546	Donor-acceptor (D-A)-substituted polyynes chromophores: modulation of their optoelectronic properties by varying the length of the acetylene spacer. <i>Chemistry - A European Journal</i> , 2013 , 19, 12693-704	4.8	52
545	A mild, thermal pentafulvene-to-benzene rearrangement. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 9827-30	16.4	12
544	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> , 2013 , 135, 15270-3	16.4	50
543	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> , 2013 , 8, 1163-78	4.9	21
542	Effective cholesteric liquid crystal inducers based on axially chiral alleno-acetylenes. <i>RSC Advances</i> , 2013 , 3, 22845	3.7	14
541	125 years of chemistry in the mirror of "angewandte". <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 2714-42	16.4	4
540	Potent inhibitors of malarial aspartic proteases, the plasmepsins, by hydroformylation of substituted 7-azanorbornenes. <i>Chemistry - A European Journal</i> , 2013 , 19, 155-64	4.8	14
539	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> , 2013 , 135, 3599-606	16.4	31
538	Efficient stacking on protein amide fragments. <i>ChemMedChem</i> , 2013 , 8, 397-404	3.7	62
537	Post-Cycloaddition Retroelectrocyclization Transformations of Polycyanobutadienes. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 869-879	3.2	19
536	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> , 2013 , 8, 967-75	3.7	40
535	Electronically Connected [n]Helicenes: Synthesis and Chiroptical Properties of Enantiomerically Pure (E)-1,2-Di([6]helicene-2-yl)ethenes. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 3223-3231	3.2	37
534	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> , 2013 , 2013, 880-887	3.2	6
533	Platinum(II) Acetylides in the Formal [2+2] Cycloaddition-Retroelectrocyclization Reaction: Organodonor Versus Metal Activation. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 3729-3740	3.2	16
532	High-affinity inhibitors of Zymomonas mobilis tRNA-guanine transglycosylase through convergent optimization. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013 , 69, 1798-807		8

531	125 Jahre Chemie im Spiegel der Angewandten <i>Angewandte Chemie</i> , 2013 , 125, 2778-2807	3.6	2
530	Eine milde thermische Pentafulven-Benzol-Umlagerung. <i>Angewandte Chemie</i> , 2013 , 125, 10010-10013	3.6	3
529	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> , 2012 , 18, 213-22	4.8	44
528	Identification of 1,3-diiminoisoindoline carbohydrazides as potential antimalarial candidates. <i>ChemMedChem</i> , 2012 , 7, 151-8	3.7	16
527	Chinon-basierte redoxaktive Resorcin[4]aren-Cavitanden. <i>Angewandte Chemie</i> , 2012 , 124, 269-273	3.6	9
526	Quinone-based, redox-active resorcin[4]arene cavitands. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 262-6	16.4	48
525	Free enthalpies of replacing water molecules in protein binding pockets. <i>Journal of Computer-Aided Molecular Design</i> , 2012 , 26, 1293-309	4.2	22
524	Redox-switchable resorcin[4]arene cavitands: molecular grippers. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14702-5	16.4	69
523	Tuning and predicting biological affinity: aryl nitriles as cysteine protease inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 5764-8	3.9	42
522	Structural, optical, and electrochemical properties of three-dimensional push-pull corannulenes. <i>Journal of Organic Chemistry</i> , 2012 , 77, 11014-26	4.2	60
521	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> , 2012 , 18, 14610-3	4.8	18
520	6,6-Dicyanopentafulvenes: electronic structure and regioselectivity in [2 + 2] cycloaddition-retroelectrocyclization reactions. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18139-46	16.4	45
519	Directed rotations of single porphyrin molecules controlled by localized force spectroscopy. <i>ACS Nano</i> , 2012 , 6, 6318-24	16.7	38
518	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> , 2012 , 10, 8016-26	3.9	31
517	N,N'-Dicyanoquinone diimide-derived donor-acceptor chromophores: conformational analysis and optoelectronic properties. <i>Organic Letters</i> , 2012 , 14, 54-7	6.2	24
516	Catechol-O-methyltransferase in complex with substituted 3'-deoxyribose bisubstrate inhibitors. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012 , 68, 253-60		22
515	1,1-Dicyano-4-[4-(diethylamino)phenyl]buta-1,3-dienes: Structure-Property Relationships. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 2756-2765	3.2	149
514	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> , 2012 , 2012, 3278-3287	3.2	6

513	Fluorophore-Functionalized and Top-Covered Resorcin[4]arene Cavitands. <i>Israel Journal of Chemistry</i> , 2012 , 52, 20-29	3.4	13
512	Allene in molekularen Materialien. <i>Angewandte Chemie</i> , 2012 , 124, 2872-2882	3.6	79
511	Allenes in molecular materials. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2818-28	16.4	237
510	Proacetylenic reactivity of a push-pull buta-1,2,3-triene: new chromophores and supramolecular systems. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 1185-90	4.5	27
509	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> , 2012 , 18, 9246-57	4.8	18
508	Compact TCBD based molecules and supramolecular assemblies for third-order nonlinear optics. <i>Optical Materials Express</i> , 2012 , 2, 294	2.6	26
507	Donor-substituted diphenylacetylene derivatives act as electron donors and acceptors. <i>Journal of Organic Chemistry</i> , 2011 , 76, 5628-35	4.2	9
506	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> , 2011 , 47, 4520-2	5.8	43
505	Peptidomimetic nitriles as selective inhibitors for the malarial cysteine protease falcipain-2. <i>MedChemComm</i> , 2011 , 2, 800	5	20
504	Switching Processes in Cavitands, Containers and Capsules 2011 , 257-300		2
503	Oriented growth of porphyrin-based molecular wires on ionic crystals analysed by nc-AFM. <i>Beilstein Journal of Nanotechnology</i> , 2011 , 2, 34-9	3	19
502	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> , 2011 , 52, 6963-6967	2	5
501	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> , 2011 , 6, 396-401	4.5	49
500	Solvatochromism as an efficient tool to study N,N-dimethylamino- and cyano-substituted π -conjugated molecules with an intramolecular charge-transfer absorption. <i>Journal of Physical Organic Chemistry</i> , 2011 , 24, 274-281	2.1	57
499	Comparison of CC Triple and Double Bonds as Spacers in PushPull Chromophores. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 4307-4317	3.2	30
498	Improved inhibitors of trypanothione reductase by combination of motifs: synthesis, inhibitory potency, binding mode, and antiprotozoal activities. <i>ChemMedChem</i> , 2011 , 6, 292-301	3.7	25
497	Potent and selective inhibition of cysteine proteases from <i>Plasmodium falciparum</i> and <i>Trypanosoma brucei</i> . <i>ChemMedChem</i> , 2011 , 6, 273-8	3.7	28
496	Halogen bonding at the active sites of human cathepsin L and MEK1 kinase: efficient interactions in different environments. <i>ChemMedChem</i> , 2011 , 6, 2048-54	3.7	102

495	Acetylenic Tetrathiafulvalene Scaffolds π -Intramolecular Charge-Transfer Molecules. <i>Helvetica Chimica Acta</i> , 2011 , 94, 1743-1753	2	10
494	Calculation of binding free energies of inhibitors to plasmepsin II. <i>Journal of Computational Chemistry</i> , 2011 , 32, 1801-12	3.5	18
493	Systematische Untersuchung von Halogenbrücken in Protein-Ligand- Wechselwirkungen. <i>Angewandte Chemie</i> , 2011 , 123, 329-334	3.6	77
492	Aromatische Ringe in chemischer und biologischer Erkennung: Energien und Strukturen. <i>Angewandte Chemie</i> , 2011 , 123, 4908-4944	3.6	232
491	Inhibitoren des Herbizid-Targets IspD: Bindung in einer allosterischen Tasche. <i>Angewandte Chemie</i> , 2011 , 123, 8077-8081	3.6	8
490	Selbstorganisation und spontane 2D-Racematspaltung eines Dicyano[7]helicens auf Cu(111). <i>Angewandte Chemie</i> , 2011 , 123, 10158-10162	3.6	18
489	Systematic investigation of halogen bonding in protein-ligand interactions. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 314-8	16.4	387
488	Aromatic rings in chemical and biological recognition: energetics and structures. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4808-42	16.4	1163
487	Inhibitors of the herbicidal target IspD: allosteric site binding. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7931-5	16.4	41
486	Self-assembly and two-dimensional spontaneous resolution of cyano-functionalized [7]helicenes on Cu111. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9982-6	16.4	82
485	Molecular recognition at the active site of catechol-O-methyltransferase (COMT): adenine replacements in bisubstrate inhibitors. <i>Chemistry - A European Journal</i> , 2011 , 17, 6369-81	4.8	30
484	Regular acyclic and macrocyclic [AB] oligomers by formation of push-pull chromophores in the chain-growth step. <i>Chemistry - A European Journal</i> , 2011 , 17, 6088-97	4.8	27
483	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> , 2011 , 17, 3876-85	4.8	25
482	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> , 2011 , 17, 5246-50	4.8	29
481	Cycloalkane and alicyclic heterocycle complexation by new switchable resorcin[4]arene-based container molecules: NMR and ITC binding studies. <i>Chemistry - A European Journal</i> , 2011 , 17, 12362-71	4.8	37
480	Cascade pericyclic reactions of alleno-acetylenes: facile access to highly substituted cyclobutene, dendralene, pentalene, and indene skeletons. <i>Chemistry - A European Journal</i> , 2011 , 17, 12906-11	4.8	13
479	Donor-substituted octacyano[4]dendralenes: a new class of cyano-rich non-planar organic acceptors. <i>Chemical Science</i> , 2011 , 2, 88-93	9.4	50
478	A convenient synthesis of new chromophoric tetracyanobutadiene-scaffolded peptides via a dipolar [2+2] cycloaddition/cycloreversion reaction. <i>Tetrahedron Letters</i> , 2011 , 52, 4021-4025	2	7

477	Non-planar push-pull chromophores. <i>Chemical Communications</i> , 2010 , 46, 1994-2006	5.8	224
476	Two-dimensional phase behavior of a bimolecular porphyrin system at the solid-vacuum interface. <i>Journal of the American Chemical Society</i> , 2010 , 132, 7306-11	16.4	17
475	Unprecedented thermal rearrangement of push-pull-chromophore-[60]fullerene conjugates: formation of chiral 1,2,9,12-tetrakis-adducts. <i>Chemical Communications</i> , 2010 , 46, 5334-6	5.8	26
474	Bioconjugates to specifically render inhibitors water-soluble. <i>Soft Matter</i> , 2010 , 6, 88-91	3.6	33
473	Self-association based on orthogonal C=O...C=O interactions in the solid and liquid state. <i>Chemical Communications</i> , 2010 , 46, 67-9	5.8	26
472	Nonplanar push-pull chromophores for opto-electronic applications. <i>Chimia</i> , 2010 , 64, 409-13	1.3	14
471	Higher Fullerenes: Chirality and Covalent Adducts 2010 , 129-171		1
470	Thiazolopyrimidine inhibitors of 2-methylerythritol 2,4-cyclodiphosphate synthase (IspF) from <i>Mycobacterium tuberculosis</i> and <i>Plasmodium falciparum</i> . <i>ChemMedChem</i> , 2010 , 5, 1092-101	3.7	61
469	Photophysics of two prototypical molecular-wire building blocks: solvent-induced conformational dynamics?. <i>ChemPhysChem</i> , 2010 , 11, 1700-10	3.2	12
468	Complexation and Dynamic Switching Properties of Fluorophore-Appended Resorcin[4]arene Cavitands. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 846-855	3.2	30
467	Chiral and Achiral Charge-Transfer Chromophores with a Dendralene-Type Backbone by Electronically Controlled Cycloaddition/Cycloreversion Cascades. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 2487-2503	3.2	33
466	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> , 2010 , 2010, 2452-2456	3.2	5
465	Regioselectivity in Tether-Directed Remote Functionalization □ The Addition of a Cyclotriveratrylene-Based Trimalonate to C60 Revisited. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, n/a-n/a	3.2	4
464	Enantiomerically Pure and Highly Substituted Alicyclic □,□-Difluoro Ketones: Potential Inhibitors for Malarial Aspartic Proteases, the Plasmepsins. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 4617-4629	3.2	18
463	All-carbon scaffolds by rational design. <i>Advanced Materials</i> , 2010 , 22, 803-12	24	275
462	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> , 2010 , 16, 202-11	4.8	44
461	Ion-pair complexation with a cavitand receptor. <i>Chemistry - A European Journal</i> , 2010 , 16, 7813-9	4.8	28
460	Proaromaticity: organic charge-transfer chromophores with small HOMO-LUMO gaps. <i>Chemistry - A European Journal</i> , 2010 , 16, 9592-605	4.8	43

459	Enantiomerically pure alleno-acetylenic macrocycles: synthesis, solid-state structures, chiroptical properties, and electron localization function analysis. <i>Chemistry - A European Journal</i> , 2010 , 16, 9796-807	4.8	48
458	FRET studies on a series of BODIPY-dye-labeled switchable resorcin[4]arene cavitands. <i>Chemistry - A European Journal</i> , 2010 , 16, 12590-602	4.8	34
457	Inside Cover: Enantiomerically Pure Alleno-Acetylenic Macrocycles: Synthesis, Solid-State Structures, Chiroptical Properties, and Electron Localization Function Analysis (Chem. Eur. J. 32/2010). <i>Chemistry - A European Journal</i> , 2010 , 16, 9694-9694	4.8	
456	Amplifikation der Chiralität in monodispersen, enantiomerenreinen Allen-Acetylen-Oligomeren. <i>Angewandte Chemie</i> , 2010 , 122, 2296-2300	3.6	30
455	Optische Stabilität axial-chiraler push-pull-substituierter Buta-1,3-diene: Effekt einer einzelnen Methylgruppe auf der Oberfläche von C60. <i>Angewandte Chemie</i> , 2010 , 122, 3611-3615	3.6	19
454	Homokonjugierte Push-pull- und Spirosysteme: intramolekulare Charge-Transfer-Wechselwirkungen und nichtlineare optische Eigenschaften dritter Ordnung. <i>Angewandte Chemie</i> , 2010 , 122, 6343-6347	3.6	16
453	Amplification of chirality in monodisperse, enantiopure alleno-acetylenic oligomers. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2247-50	16.4	65
452	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> , 2010 , 49, 3532-5	16.4	44
451	Homoconjugated push-pull and spiro systems: intramolecular charge-transfer interactions and third-order optical nonlinearities. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 6207-11	16.4	44
450	Silicon Organic Hybrid Technology A Platform for Practical Nonlinear Optics. <i>Proceedings of the IEEE</i> , 2009 , 97, 1304-1316	14.3	111
449	Kation-Wechselwirkungen im aktiven Zentrum von Faktor Xa: drastische Verstärkung durch stufenweise N-Alkylierung von Ammoniumionen. <i>Angewandte Chemie</i> , 2009 , 121, 825-828	3.6	17
448	Probing hydrogen bonding to bound dioxygen in synthetic models for heme proteins: the importance of precise geometry. <i>Chemistry - A European Journal</i> , 2009 , 15, 125-35	4.8	13
447	Organic super-acceptors with efficient intramolecular charge-transfer interactions by [2+2] cycloadditions of TCNE, TCNQ, and F4-TCNQ to donor-substituted cyanoalkynes. <i>Chemistry - A European Journal</i> , 2009 , 15, 4111-23	4.8	109
446	Chiral induction from allenes into twisted 1,1,4,4-tetracyanobuta-1,3-dienes (TCBDs): conformational assignment by circular dichroism spectroscopy. <i>Chemistry - A European Journal</i> , 2009 , 15, 8396-400	4.8	35
445	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> , 2009 , 15, 9005-16	4.8	27
444	High-affinity inhibitors of tRNA-guanine transglycosylase replacing the function of a structural water cluster. <i>Chemistry - A European Journal</i> , 2009 , 15, 10809-17	4.8	29
443	Modification of supramolecular binding motifs induced by substrate registry: formation of self-assembled macrocycles and chain-like patterns. <i>Chemistry - A European Journal</i> , 2009 , 15, 11139-50	4.8	87
442	Origin of intense intramolecular charge-transfer interactions in nonplanar push-pull chromophores. <i>Chemistry - A European Journal</i> , 2009 , 15, 8687-91	4.8	95

441	Pentafluorosulfanyl as a novel building block for enzyme inhibitors: trypanothione reductase inhibition and antiprotozoal activities of diarylamines. <i>ChemBioChem</i> , 2009 , 10, 79-83	3.8	75
440	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> , 2009 , 10, 716-27	3.8	21
439	Synthesis, inhibition potency, binding mode, and antiprotozoal activities of fluorescent inhibitors of trypanothione reductase based on mepacrine-conjugated diaryl sulfide scaffolds. <i>ChemMedChem</i> , 2009 , 4, 2034-44	3.7	27
438	How to replace the residual solvation shell of polar active site residues to achieve nanomolar inhibition of tRNA-guanine transglycosylase. <i>ChemMedChem</i> , 2009 , 4, 2012-23	3.7	26
437	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> , 2009 , 4, 1958-1958	3.7	
436	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> , 2009 , 2009, 1707-1719 ¹³	3.2	13
435	Ein enantiomerenreiner alleno-acetylenischer Makrocyclus: Synthese und Interpretation seiner herausragenden chiroptischen Eigenschaften. <i>Angewandte Chemie</i> , 2009 , 121, 5653-5656	3.6	36
434	Molekulare Erkennung in der aktiven Tasche der Catechol-O- Methyltransferase: energetisch günstige Verdrängung eines von einem Bisubstratinhibitor importierten Wassermoleküls. <i>Angewandte Chemie</i> , 2009 , 121, 9256-9260	3.6	17
433	Titelbild: Ein enantiomerenreiner alleno-acetylenischer Makrocyclus: Synthese und Interpretation seiner herausragenden chiroptischen Eigenschaften (Angew. Chem. 30/2009). <i>Angewandte Chemie</i> , 2009 , 121, 5485-5485	3.6	
432	Cation- π interactions at the active site of factor Xa: dramatic enhancement upon stepwise N-alkylation of ammonium ions. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 811-4	16.4	71
431	An enantiomerically pure alleno-acetylenic macrocycle: synthesis and rationalization of its outstanding chiroptical response. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5545-8	16.4	74
430	Molecular recognition at the active site of catechol-o-methyltransferase: energetically favorable replacement of a water molecule imported by a bisubstrate inhibitor. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 9092-6	16.4	35
429	Cover Picture: An Enantiomerically Pure Alleno-Acetylenic Macrocycle: Synthesis and Rationalization of Its Outstanding Chiroptical Response (Angew. Chem. Int. Ed. 30/2009). <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5381-5381	16.4	
428	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> , 2009 , 22, 155-162	2.1	32
427	Cryogenic 35GHz pulse ENDOR probehead accommodating large sample sizes: Performance and applications. <i>Journal of Magnetic Resonance</i> , 2009 , 200, 81-7	3	35
426	Acetylene-derived strong organic acceptors for planar and nonplanar push-pull chromophores. <i>Accounts of Chemical Research</i> , 2009 , 42, 235-48	24.3	329
425	Optical properties of highly nonlinear silicon-organic hybrid (SOH) waveguide geometries. <i>Optics Express</i> , 2009 , 17, 17357-68	3.3	77
424	New donor-acceptor chromophores by formal [2+2] cycloaddition of donor-substituted alkynes to dicyanovinyl derivatives. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 1312-22	3.9	52

423	First enantiomerically pure C70-adducts with a non-inherently chiral addition pattern. <i>New Journal of Chemistry</i> , 2009 , 33, 386-396	3.6	8
422	New organofluorine building blocks: inhibition of the malarial aspartic proteases plasmepsin II and IV by alicyclic alpha,alpha-difluoroketone hydrates. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 3947-57	3.9	34
421	Acetylenic tetrathiafulvalene-dicyanovinyl donor-acceptor chromophores. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 3474-80	3.9	21
420	Structure-based drug design: exploring the proper filling of apolar pockets at enzyme active sites. <i>Journal of Organic Chemistry</i> , 2008 , 73, 4345-61	4.2	86
419	Dendronised block copolymers as potential vectors for gene transfection. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 1905-11	3.9	13
418	Inhibitors of the kinase IspE: structure-activity relationships and co-crystal structure analysis. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 2719-30	3.9	35
417	1,2,3-triazoles as conjugative pi-linkers in push-pull chromophores: importance of substituent positioning on intramolecular charge-transfer. <i>Organic Letters</i> , 2008 , 10, 3347-50	6.2	74
416	Diaryl sulfide-based inhibitors of trypanothione reductase: inhibition potency, revised binding mode and antiprotozoal activities. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 3935-47	3.9	54
415	Substituent effects on the aromatic edge-to-face interaction. <i>Chemical Communications</i> , 2008 , 4031-3	5.8	44
414	Synthesis of 1,2,4-Trisubstituted Imidazoles and 1,3,5-Trisubstituted 1,2,4-Triazoles. <i>Heterocycles</i> , 2008 , 76, 401	0.8	3
413	Orthogonal dipolar interactions between amide carbonyl groups. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 17290-4	11.5	112
412	Conjugation and optoelectronic properties of acetylenic scaffolds and charge-transfer chromophores. <i>Pure and Applied Chemistry</i> , 2008 , 80, 411-427	2.1	43
411	A fluorine scan of non-peptidic inhibitors of neprilysin: Fluorophobic and fluorophilic regions in an enzyme active site. <i>Journal of Fluorine Chemistry</i> , 2008 , 129, 852-865	2.1	20
410	Nanoscale engineering of molecular porphyrin wires on insulating surfaces. <i>Small</i> , 2008 , 4, 1115-8	11	76
409	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> , 2008 , 14, 7638-47	4.8	48
408	Supramolecular synthons on surfaces: controlling dimensionality and periodicity of tetraarylporphyrin assemblies by the interplay of cyano and alkoxy substituents. <i>Chemistry - A European Journal</i> , 2008 , 14, 5794-802	4.8	72
407	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> , 2008 , 14, 10564-8	4.8	56
406	Synthesis and characterization of cytidine derivatives that inhibit the kinase IspE of the non-mevalonate pathway for isoprenoid biosynthesis. <i>ChemMedChem</i> , 2008 , 3, 91-101	3.7	25

405	Exploring the flap pocket of the antimalarial target plasmepsin II: the "55 % rule" applied to enzymes. <i>ChemMedChem</i> , 2008 , 3, 237-40	3.7	43
404	New Push-Pull Chromophores Featuring TCAQ (11,11,12,12-Tetracyano-9,10-anthraquinodimethane) and Other Dicyanovinyl Acceptors. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 994-1004	3.2	58
403	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> , 2008 , 47, 2600-3	16.4	27
402	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). <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2515-2515	16.4	
401	A High-Optical Quality Supramolecular Assembly for Third-Order Integrated Nonlinear Optics. <i>Advanced Materials</i> , 2008 , 20, 4584-4587	24	121
400	Direkter Nachweis einer Wasserstoffbrücke zu gebundenem Disauerstoff in einem Modellkomplex $\text{FeMyoglobin/H}\beta\text{oglobin}$ und in Cobalt-Myoglobin durch Puls-EPR. <i>Angewandte Chemie</i> , 2008 , 120, 2638-2642	3.6	15
399	Titelbild: Direkter Nachweis einer Wasserstoffbrücke zu gebundenem Disauerstoff in einem Modellkomplex $\text{FeMyoglobin/H}\beta\text{oglobin}$ und in Cobalt-Myoglobin durch Puls-EPR (Angew. Chem. 14/2008). <i>Angewandte Chemie</i> , 2008 , 120, 2549-2549	3.6	
398	Reversibly controllable guest binding in precisely defined cavities: selectivity, induced fit, and switching in novel resorcin[4]arene-based container molecules. <i>Tetrahedron</i> , 2008 , 64, 8307-8317	2.4	41
397	Supramolecular [60]fullerene chemistry on surfaces. <i>Chemical Society Reviews</i> , 2007 , 36, 390-414	58.5	247
396	New strong organic acceptors by cycloaddition of TCNE and TCNQ to donor-substituted cyanoalkynes. <i>Chemical Communications</i> , 2007 , 4898-900	5.8	78
395	A novel reaction of 7,7,8,8-tetracyanoquinodimethane (TCNQ): charge-transfer chromophores by [2 + 2] cycloaddition with alkynes. <i>Chemical Communications</i> , 2007 , 4731-3	5.8	107
394	Self-assembly, DNA complexation, and pH response of amphiphilic dendrimers for gene transfection. <i>Langmuir</i> , 2007 , 23, 737-46	4	67
393	Property tuning in charge-transfer chromophores by systematic modulation of the spacer between donor and acceptor. <i>Chemistry - A European Journal</i> , 2007 , 13, 5378-87	4.8	106
392	40 years of supramolecular chemistry. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 68-9	16.4	37
391	Container molecules with portals: Reversibly switchable cycloalkane complexation. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 260-4	16.4	92
390	Phosphate recognition in structural biology. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 338-52	16.4	229
389	A supramolecular multiposition rotary device. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4089-92	16.4	120
388	Charge-transfer chromophores by cycloaddition-retro-electrocyclization: multivalent systems and cascade reactions. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 6357-60	16.4	105

387	Molecular torsion balances: evidence for favorable orthogonal dipolar interactions between organic fluorine and amide groups. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8270-3	16.4	98
386	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> , 2007 , 46, 8266-9	16.4	42
385	Containermoleküle mit Portalen: reversibel schaltbare Cycloalkan-Komplexierung. <i>Angewandte Chemie</i> , 2007 , 119, 264-268	3.6	36
384	Molekulare Erkennung von Phosphaten in der Strukturbiochemie. <i>Angewandte Chemie</i> , 2007 , 119, 342-357	3.6	33
383	A Supramolecular Multiposition Rotary Device. <i>Angewandte Chemie</i> , 2007 , 119, 4167-4170	3.6	34
382	Charge-Transfer-Chromophore durch Cycloaddition-Retro-Elektrocyclisierung: multivalente Systeme und Kaskadenreaktionen. <i>Angewandte Chemie</i> , 2007 , 119, 6473-6477	3.6	48
381	Molekulare Torsionswaagen: Anzeichen für attraktive orthogonale dipolare Wechselwirkungen zwischen organischem Fluor und Amidgruppen. <i>Angewandte Chemie</i> , 2007 , 119, 8418-8421	3.6	39
380	Hochaffine Inhibitoren der tRNA-Guanin-Transglycosylase, eines Schlüsselenzyms in der Pathogenese der Shigellen-Ruhr: ladungsverstärkte Wasserstoffbrücken. <i>Angewandte Chemie</i> , 2007 , 119, 8414-8417	3.6	16
379	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> , 2007 , 90, 217-259	2	18
378	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> , 2007 , 90, 1043-1068	2	24
377	1,3-Diethynylallenes: Stable Monomers, Length-Defined Oligomers, Asymmetric Synthesis, and Optical Resolution. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 3449-3462	3.2	17
376	meso,meso-Linked and Triply Fused Diporphyrins with Mixed-Metal Ions: Synthesis and Electrochemical Investigations. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 4659-4673	3.2	32
375	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> , 2007 , 2, 806-10	3.7	40
374	Predicting and tuning physicochemical properties in lead optimization: amine basicities. <i>ChemMedChem</i> , 2007 , 2, 1100-15	3.7	344
373	Betraying the parasite's redox system: diaryl sulfide-based inhibitors of trypanothione reductase: subversive substrates and antitrypanosomal properties. <i>ChemMedChem</i> , 2007 , 2, 1708-12	3.7	17
372	Fluorine in pharmaceuticals: looking beyond intuition. <i>Science</i> , 2007 , 317, 1881-6	33.3	45 ⁸¹
371	Extended conjugation and donor-acceptor substitution to improve the third-order optical nonlinearity of small molecules. <i>Applied Physics Letters</i> , 2007 , 90, 251106	3.4	79
370	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> , 2007 , 370, 492-511	6.5	51

369	Dendritic vectors for gene transfection. <i>New Journal of Chemistry</i> , 2007 , 31, 1111-1127	3.6	157
368	Tether-directed remote functionalization of fullerenes C60 and C70. <i>Comptes Rendus Chimie</i> , 2006 , 9, 868-880	2.7	41
367	Semipreparative enantioseparation of Tröger base derivatives by HPLC. <i>Chirality</i> , 2006 , 18, 707-12	2.1	20
366	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> , 2006 , 12, 1889-905	4.8	231
365	Regio- and diastereoselective synthesis of bis- and tetrakisadducts of C70 by directed remote functionalization using Tröger base tethers. <i>Chemistry - A European Journal</i> , 2006 , 12, 3463-71	4.8	37
364	Conformational behavior of pyrazine-bridged and mixed-bridged cavitands: a general model for solvent effects on thermal "vase-kite" switching. <i>Chemistry - A European Journal</i> , 2006 , 12, 4775-84	4.8	68
363	Triply fused Zn(II)-porphyrin oligomers: synthesis, properties, and supramolecular interactions with single-walled carbon nanotubes (SWNTs). <i>Chemistry - A European Journal</i> , 2006 , 12, 6062-70	4.8	115
362	Synthesis and characteristics of a nonaggregating tris(tetrathiafulvaleno)dodecahydro[18]annulene. <i>Chemistry - A European Journal</i> , 2006 , 12, 8451-9	4.8	42
361	Fluorescent inhibitors for IspF, an enzyme in the non-mevalonate pathway for isoprenoid biosynthesis and a potential target for antimalarial therapy. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1069-74	16.4	38
360	Starving the malaria parasite: inhibitors active against the aspartic proteases plasmepsins I, II, and IV. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2138-41	16.4	76
359	Macrocyclic Cyclo[n]malonates [Synthetic Aspects and Observation of Columnar Arrangements by X-ray Crystallography]. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 2296-2308	3.2	20
358	Bisubstrate inhibitors of catechol O-methyltransferase (COMT): the crucial role of the ribose structural unit for inhibitor binding affinity. <i>ChemMedChem</i> , 2006 , 1, 340-57	3.7	25
357	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> , 2006 , 1, 611-21	3.7	51
356	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> , 2006 , 1, 1205-13	3.7	25
355	Adsorption and dynamics of long-range interacting fullerenes in a flexible, two-dimensional, nanoporous porphyrin network. <i>ChemPhysChem</i> , 2006 , 7, 1462-70	3.2	55
354	Synthesis, Biological Evaluation, and Crystallographic Studies of Extended Guanine-Based (lin-Benzoguanine) Inhibitors for tRNA-Guanine Transglycosylase (TGT). <i>Helvetica Chimica Acta</i> , 2006 , 89, 573-597	2	30
353	Synthesis and Biological Evaluation of Potent Bisubstrate Inhibitors of the Enzyme Catechol O-Methyltransferase (COMT) Lacking a Nitro Group. <i>Helvetica Chimica Acta</i> , 2006 , 89, 1856-1887	2	16
352	Tetrathiafulvalene (TTF)-Bridged Resorcin[4]arene Cavitands: Towards New Electrochemical Molecular Switches. <i>Helvetica Chimica Acta</i> , 2006 , 89, 2040-2057	2	47

351	Einschlusskomplexe aus einem makrocyclischen Wirtmolekül und aromatischen Kohlenwasserstoffen in wässriger Lösung. <i>Angewandte Chemie</i> , 2006 , 95, 730-735	3.6	21
350	Fluoreszierende Inhibitoren von IspF, einem Enzym im Nicht-Mevalonat-Biosyntheseweg für Isoprenoide und mögliches Ziel einer Antimalariatherapie. <i>Angewandte Chemie</i> , 2006 , 118, 1082-1087	3.6	17
349	Aushungern des Malaria-Erregers: Hemmer der Aspartylproteasen Plasmeprin I, II und IV. <i>Angewandte Chemie</i> , 2006 , 118, 2193-2196	3.6	27
348	Effects of structural modification on gene transfection and self-assembling properties of amphiphilic dendrimers. <i>Organic and Biomolecular Chemistry</i> , 2006 , 4, 766-9	3.9	49
347	First asymmetric synthesis of a differentially silyl-protected tris(alkynyl)methyl methyl ether. <i>Organic and Biomolecular Chemistry</i> , 2006 , 4, 1206-8	3.9	12
346	Multipolar interactions in the D pocket of thrombin: large differences between tricyclic imide and lactam inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2006 , 4, 2364-75	3.9	23
345	Functionalized Calix[4]resorcinarene Cavitands. Versatile Platforms for the Modular Construction of Extended Molecular Switches. <i>Bulletin of the Chemical Society of Japan</i> , 2006 , 79, 1926-1940	5.1	28
344	Optimizing specific third-order polarizabilities and approaching the fundamental limit in donor substituted cyanoethynylethene (CEE) molecules 2006 , 6331, 633101		3
343	Inclusion of methano[60]fullerene derivatives in cavitand-based coordination cages. <i>Tetrahedron</i> , 2006 , 62, 2008-2015	2.4	38
342	Structural aspects of fullerene chemistry—a journey through fullerene chirality. <i>Chemical Reviews</i> , 2006 , 106, 5049-135	68.1	429
341	Two-dimensional acetylenic scaffolding: extended donor-substituted perethynylated dehydroannulenes. <i>Chemistry - an Asian Journal</i> , 2006 , 1, 479-89	4.5	41
340	Structures and stabilities of diacetylene-expanded polyhedranes by quantum mechanics and molecular mechanics. <i>Journal of Organic Chemistry</i> , 2005 , 70, 1671-8	4.2	31
339	A new class of organic donor-acceptor molecules with large third-order optical nonlinearities. <i>Chemical Communications</i> , 2005 , 737-9	5.8	207
338	Spacer-Controlled Multiple Functionalization of Fullerenes. <i>Topics in Current Chemistry</i> , 2005 , 1-61		22
337	Conjugated oligoenynes based on the diethynylethene unit. <i>Chemical Reviews</i> , 2005 , 105, 1837-67	68.1	215
336	Highly efficient third-order optical nonlinearities in donor-substituted cyanoethynylethene molecules. <i>Optics Letters</i> , 2005 , 30, 3057-9	3	61
335	Fullerene- and porphyrin-appended crown ethers: Synthesis and preparation of stable langmuir and langmuir-blodgett films. <i>Israel Journal of Chemistry</i> , 2005 , 45, 303-319	3.4	6
334	Selective steroid recognition by a partially bridged resorcin[4]arene cavitand. <i>Chemical Communications</i> , 2005 , 5269-71	5.8	16

333	From Fullerenes to Novel Carbon Allotropes: Exciting Prospects for Organic Synthesis 2005 , 161-186		
332	Advanced opto-electronics materials by fullerene and acetylene scaffolding. <i>Pure and Applied Chemistry</i> , 2005 , 77, 1851-1863	2.1	16
331	Synthesis of Dendritic Metalloporphyrins with Distal H-Bond Donors as Model Systems for Hemoglobin. <i>Helvetica Chimica Acta</i> , 2005 , 88, 120-153	2	30
330	A New Class of Inhibitors for the Metalloprotease Neprilysin Based on a Central Imidazole Scaffold. <i>Helvetica Chimica Acta</i> , 2005 , 88, 707-730	2	25
329	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> , 2005 , 88, 731-750	2	27
328	Oligoporphyrin Arrays Conjugated to [60]Fullerene: Preparation, NMR Analysis, and Photophysical and Electrochemical Properties. <i>Helvetica Chimica Acta</i> , 2005 , 88, 1839-1884	2	66
327	Facile Synthesis of Diastereoisomerically and Optically Pure 2-Substituted Hexahydro-1H-pyrrolizin-3-ones. <i>Helvetica Chimica Acta</i> , 2005 , 88, 2250-2261	2	6
326	Preparation of Tröger Base Derivatives by Cross-Coupling Methodologies. <i>Helvetica Chimica Acta</i> , 2005 , 88, 2333-2344	2	38
325	Photophysical and electrochemical properties of meso, meso-linked oligoporphyrin rods with appended fullerene terminals. <i>ChemPhysChem</i> , 2005 , 6, 732-43	3.2	66
324	Orthogonal multipolar interactions in structural chemistry and biology. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1788-805	16.4	407
323	Quantification of cation-pi interactions in protein-ligand complexes: crystal-structure analysis of Factor Xa bound to a quaternary ammonium ion ligand. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4400-4	16.4	94
322	Geometrically precisely defined multinanometer expansion/contraction motions in a resorcin[4]arene cavitand based molecular switch. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4635-8	16.4	85
321	Shape-persistent chiral alleno-acetylenic macrocycles and cyclophanes by acetylenic scaffolding with 1,3-diethynylallenes. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5074-8	16.4	64
320	Orthogonale multipolare Wechselwirkungen in chemischen und biologischen Strukturen. <i>Angewandte Chemie</i> , 2005 , 117, 1820-1839	3.6	94
319	Quantifizierung von Kation- π -Wechselwirkungen in Protein-Ligand-Komplexen: Kristallstrukturanalyse eines Komplexes von Faktor Xa und einem quartären Ammonium-Ion-Liganden. <i>Angewandte Chemie</i> , 2005 , 117, 4474-4479	3.6	17
318	FRET-Nachweis geometrisch präzise definierter Expansions-Kontraktions-Bewegungen im Multinanometerbereich eines Resorcin[4]aren-Cavitand-basierten Schalters. <i>Angewandte Chemie</i> , 2005 , 117, 4711-4715	3.6	32
317	Aufbau formstabiler chiraler alleno-acetylenischer Makrocyclen und Cyclophane über Acetylenkupplungen mit 1,3-Diethynylallenen. <i>Angewandte Chemie</i> , 2005 , 117, 5203-5207	3.6	39
316	Theoretical Studies on Acetylenic Scaffolds 2005 , 1-50		9

315	Shape-Persistent Acetylenic Macrocycles for Ordered Systems 2005 , 427-452		10
314	Macrocycles Based on Phenylacetylene Scaffolding 2005 , 303-385		22
313	Synthesis of trans-1, trans-2, trans-3, and trans-4 bisadducts of C60 by regio- and stereoselective tether-directed remote functionalization. <i>Chemistry - A European Journal</i> , 2005 , 11, 2284-94	4.8	61
312	Donor-substituted cyanoethynylethenes: pi-conjugation and band-gap tuning in strong charge-transfer chromophores. <i>Chemistry - A European Journal</i> , 2005 , 11, 3325-41	4.8	87
311	Molecular Recognition Studies with Cyclophane Receptors in Aqueous Solutions 2005 , 519-546		4
310	Regio- and stereoselective tether-directed remote functionalization of C60 with derivatives of the Tröger base. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 1738-40	16.4	72
309	Supramolecular patterned surfaces driven by cooperative assembly of C60 and porphyrins on metal substrates. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4759-63	16.4	175
308	A weak attractive interaction between organic fluorine and an amide group. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5056-9	16.4	161
307	Regio- und stereoselektive spacergesteuerte Fernfunktionalisierung von C60 durch Derivate der Trögerschen Base. <i>Angewandte Chemie</i> , 2004 , 116, 1770-1773	3.6	20
306	Supramolecular Patterned Surfaces Driven by Cooperative Assembly of C60 and Porphyrins on Metal Substrates. <i>Angewandte Chemie</i> , 2004 , 116, 4863-4867	3.6	48
305	A Weak Attractive Interaction between Organic Fluorine and an Amide Group. <i>Angewandte Chemie</i> , 2004 , 116, 5166-5169	3.6	69
304	Electrochemically Induced Retro-Cyclopropanation Reactions. <i>European Journal of Organic Chemistry</i> , 2004 , 2004, 2299-2316	3.2	46
303	Redox Properties of Linear and Cyclic Scaffolds Based on Di- and Tetraethynylethene. <i>European Journal of Organic Chemistry</i> , 2004 , 2004, 2959-2972	3.2	58
302	NMR Investigations into the Vase-Kite Conformational Switching of Resorcin[4]arene Cavitands. <i>Helvetica Chimica Acta</i> , 2004 , 87, 449-462	2	67
301	Donor-Substituted Perethynylated Dehydroannulenes and Radiannulenes: Acetylenic Carbon Sheets Featuring Intense Intramolecular Charge Transfer. <i>Helvetica Chimica Acta</i> , 2004 , 87, 1130-1157	2	63
300	Synthesis and In Vitro Evaluation of 2-Aminoquinazolin-4(3H)-one-Based Inhibitors for tRNA-Guanine Transglycosylase (TGT). <i>Helvetica Chimica Acta</i> , 2004 , 87, 1333-1356	2	25
299	Enantiomerically Pure Thrombin Inhibitors for Exploring the Molecular-Recognition Features of the Oxyanion Hole. <i>Helvetica Chimica Acta</i> , 2004 , 87, 2517-2538	2	19
298	Amphiphilic Dendrimers with Heteroleptic Bis([2,2':6',2'']terpyridine)-Ruthenium(II) Cores. <i>Helvetica Chimica Acta</i> , 2004 , 87, 2896-2918	2	15

297	Synthesis of 1,4-Diethynyl- and 1,1,4,4-Tetraethynylbutatrienes. <i>Helvetica Chimica Acta</i> , 2004 , 87, 3085-3105	40
296	Fluorine interactions at the thrombin active site: protein backbone fragments H-C(alpha)-C=O comprise a favorable C-F environment and interactions of C-F with electrophiles. <i>ChemBioChem</i> , 2004 , 5, 666-75	3.8 127
295	Structure-based design, synthesis, and in vitro evaluation of nonpeptidic neprilysin inhibitors. <i>ChemBioChem</i> , 2004 , 5, 996-1000	3.8 15
294	Bisubstrate inhibitors of the enzyme catechol O-methyltransferase (COMT): efficient inhibition despite the lack of a nitro group. <i>ChemBioChem</i> , 2004 , 5, 1270-4	3.8 26
293	Peralkynylated buta-1,2,3-trienes: exceptionally low rotational barriers of cumulenenic C=C bonds in the range of those of peptide C-N bonds. <i>Chemistry - A European Journal</i> , 2004 , 10, 2906-11	4.8 29
292	Chromophoric interactions in [60]fullereneβporphyrin dyads investigated by solid-state UV/Vis and IR spectroscopies. <i>Chemical Physics</i> , 2004 , 300, 227-232	2.3 31
291	Nucleophilic trifluoromethylation of cyclic imides using (trifluoromethyl)trimethylsilane CF ₃ SiMe ₃ . <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 2267-9	3.9 23
290	Synthesis and properties of a ROMP backbone polymer with efficient, laterally appended nonlinear optical chromophores. <i>Journal of Materials Chemistry</i> , 2004 , 14, 292-295	22
289	Limitations on the use of UV/Vis spectroscopy for the evaluation of conjugation effectiveness. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 2263-6	3.9 41
288	Zn(II)-induced conformational control of amphiphilic cavitands in langmuir monolayers. <i>Chemical Communications</i> , 2004 , 1362-3	5.8 54
287	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> , 2004 , 370-1	5.8 28
286	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> , 2004 , 2, 1339-52	3.9 79
285	New Rebek imide-type receptors for adenine featuring acetylene-linked pi-stacking platforms. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 1962-4	3.9 17
284	Medicinal chemistry in academia: molecular recognition with biological receptors. <i>Chemical Communications</i> , 2004 , 477-80	5.8 26
283	Crystallographic study of inhibitors of tRNA-guanine transglycosylase suggests a new structure-based pharmacophore for virtual screening. <i>Journal of Molecular Biology</i> , 2004 , 338, 55-75	6.5 33
282	A New Family of C3-Symmetrical Carbohydrate Receptors. <i>Helvetica Chimica Acta</i> , 2003 , 86, 494-503	2 43
281	Functionalized 3,3',5,5'-Tetraaryl-1,1'-Biphenyls: Novel Platforms for Molecular Receptors. <i>Helvetica Chimica Acta</i> , 2003 , 86, 548-562	2 21
280	Bisubstrate Inhibitors for the Enzyme Catechol O-Methyltransferase (COMT): Dramatic Effects of Ribose Modifications on Binding Affinity and Binding Mode. <i>Helvetica Chimica Acta</i> , 2003 , 86, 1045-1062 ²	17

279	Synthesis and Conformational Switching of Partially and Differentially Bridged Resorcin[4]arenes Bearing Fluorescent Dye Labels. Preliminary Communication. <i>Helvetica Chimica Acta</i> , 2003 , 86, 2149-2155	2	44
278	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> , 2003 , 86, 2173-2191	2	22
277	A New Class of Inhibitors for the Malarial Aspartic Protease Plasmeprin II Based on a Central 11-Azatricyclo[6.2.1.0 ^{2,7}]undeca-2,4,6-triene Scaffold. <i>Helvetica Chimica Acta</i> , 2003 , 86, 2192-2209	2	19
276	Towards the Synthesis of Azoacetylenes. <i>Helvetica Chimica Acta</i> , 2003 , 86, 3096-3117	2	22
275	Functionalized and Partially or Differentially Bridged Resorcin[4]arene Cavitands: Synthesis and Solid-State Structures. <i>Helvetica Chimica Acta</i> , 2003 , 86, 3648-3670	2	39
274	Amphiphilic Dendrimers: Novel Self-Assembling Vectors for Efficient Gene Delivery. <i>Angewandte Chemie</i> , 2003 , 115, 1524-1528	3.6	43
273	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> , 2003 , 115, 2611-2615	3.6	66
272	Exceptional Redox and Photophysical Properties of a Triply Fused Diporphyrin π 60 Conjugate: Novel Scaffolds for Multicharge Storage in Molecular Scale Electronics. <i>Angewandte Chemie</i> , 2003 , 115, 5116-5120	3.6	40
271	Wechselwirkungen mit aromatischen Ringen in chemischen und biologischen Erkennungsprozessen. <i>Angewandte Chemie</i> , 2003 , 115, 1244-1287	3.6	499
270	Wechselwirkungen mit aromatischen Ringen in chemischen und biologischen Erkennungsprozessen. <i>Angewandte Chemie</i> , 2003 , 115, 4254-4254	3.6	14
269	Interactions with Aromatic Rings in Chemical and Biological Recognition.. <i>ChemInform</i> , 2003 , 34, no		1
268	Evidence for the formation of singly bonded dimers during the reductive electrochemistry of methanofullerenes. <i>Chemistry - A European Journal</i> , 2003 , 9, 4811-9	4.8	28
267	Aromaticity and electron affinity of Carbo(k)-[3]radialenes, k=0, 1, 2. <i>Chemistry - A European Journal</i> , 2003 , 9, 5056-66	4.8	38
266	Amphiphilic dendrimers: novel self-assembling vectors for efficient gene delivery. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1486-90	16.4	160
265	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 - International Edition</i> , 2003 , 42, 2507-11	16.4	165
264	Interactions with aromatic rings in chemical and biological recognition. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1210-50	16.4	2904
263	Interactions with Aromatic Rings in Chemical and Biological Recognition. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 4120-4120	16.4	33
262	Chirality in Fullerene Chemistry. <i>Topics in Stereochemistry</i> , 2003 , 1-124		22

261	Exceptional redox and photophysical properties of a triply fused diporphyrin-C60 conjugate: novel scaffolds for multicharge storage in molecular scale electronics. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 4966-70	16.4	114
260	Dendritic metalloporphyrins with a distal H-bond donor as mimics of haemoglobin. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 1090-3	3.9	15
259	Donor-substituted cyanoethynylethenes: powerful chromophores for opto-electronic applications. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 2032-4	3.9	65
258	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> , 2003 , 1, 42-9	3.9	46
257	Donor-substituted peralkynylated "radiaannulenes": novel all-carbon macrocycles with an intense intramolecular charge-transfer. <i>Chemical Communications</i> , 2003 , 1634-5	5.8	28
256	Titelbild: Angew. Chem. 22/2002. <i>Angewandte Chemie</i> , 2002 , 114, 4329-4329	3.6	
255	Expanded Cubane: Synthesis of a Cage Compound with a C56 Core by Acetylenic Scaffolding and Gas-Phase Transformations into Fullerenes. <i>Angewandte Chemie</i> , 2002 , 114, 4515-4519	3.6	18
254	Rebek imides and their adenine complexes: preferences for Hoogsteen binding in the solid state and in solution. <i>Chemistry - A European Journal</i> , 2002 , 8, 118-29	4.8	41
253	Rebek Imides and Their Adenine Complexes: Preferences for Hoogsteen Binding in the Solid State and in Solution. <i>Chemistry - A European Journal</i> , 2002 , 8, 763-763	4.8	1
252	Novel extended tetrathiafulvalenes based on acetylenic spacers: synthesis and electronic properties. <i>Chemistry - A European Journal</i> , 2002 , 8, 3601-13	4.8	53
251	Cyanoethynylethenes: a class of powerful electron acceptors for molecular scaffolding. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3044-7	16.4	50
250	Cover Picture: Angew. Chem. Int. Ed. 22/2002. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4155-4155	16.4	15
249	Expanded cubane: synthesis of a cage compound with a C56 core by acetylenic scaffolding and gas-phase transformations into fullerenes. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4339-43	16.4	43
248	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> , 2002 , 3, 250-3	3.8	29
247	De Novo design, synthesis, and in vitro evaluation of a new class of nonpeptidic inhibitors of the malarial enzyme plasmepsin II. <i>ChemBioChem</i> , 2002 , 3, 1137-41	3.8	33
246	Effects of the dendrimer cage on O2 binding of dendritic cobalt(II) porphyrins. <i>ChemPhysChem</i> , 2002 , 3, 659-67	3.2	24
245	Dendritic Iron(II) Porphyrins as Models for Hemoglobin and Myoglobin: Specific Stabilization of O2 Complexes in Dendrimers with H-Bond-Donor Centers. <i>Helvetica Chimica Acta</i> , 2002 , 85, 333-351	2	68
244	Dendritic Iron Porphyrins with Tethered Axial Ligands: New Model Compounds for Cytochromes. <i>Helvetica Chimica Acta</i> , 2002 , 85, 571-598	2	38

243	Dendritic Iron Porphyrins with a Tethered Axial Ligand as New Model Compounds for Heme Monooxygenases. <i>Helvetica Chimica Acta</i> , 2002 , 85, 599-617	2	50
242	Structure-Based Design of Nonpeptidic Thrombin Inhibitors: Exploring the D-Pocket and the Oxyanion Hole. <i>Helvetica Chimica Acta</i> , 2002 , 85, 1210	2	23
241	Supramolecular Fullerene Chemistry: A Comprehensive Study of Cyclophane-Type Mono- and Bis-Crown Ether Conjugates of C70. <i>Helvetica Chimica Acta</i> , 2002 , 85, 2009	2	39
240	Synthesis and Characterization of Multinanometer-Sized Expanded Dendralenes with an iso-Poly(triacetylene) Backbone. <i>Helvetica Chimica Acta</i> , 2002 , 85, 2169	2	14
239	Dramatically Enhanced Fluorescence of Heteroaromatic Chromophores upon Insertion as Spacers into Oligo(triacetylene)s. <i>Helvetica Chimica Acta</i> , 2002 , 85, 2195	2	76
238	1,3-Diethynylallenes: Carbon-Rich Modules for Three-Dimensional Acetylenic Scaffolding. <i>Helvetica Chimica Acta</i> , 2002 , 85, 3052-3077	2	50
237	The art of acetylenic scaffolding: rings, rods, and switches. <i>Chemical Record</i> , 2002 , 2, 189-98	6.6	35
236	Supramolecular chemistry of dendrimers with functional cores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 4778-81	11.5	95
235	Modules for Acetylenic Scaffolding. <i>Synlett</i> , 2002 , 2002, 0544-0552	2.2	26
234	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> , 2002 , 124, 5734-8	16.4	25
233	Pi-electron conjugation effects in antiaromatic dehydro[12]- and aromatic dehydro[18]-annulenes. <i>Chemical Communications</i> , 2002 , 2318-9	5.8	21
232	Redox-Active Self-Assembled Monolayers for Solid-Contact Polymeric Membrane Ion-Selective Electrodes. <i>Chemistry of Materials</i> , 2002 , 14, 1721-1729	9.6	90
231	Strong intramolecular chromophore interactions in novel bis([60]fullerene)-oligoporphyrin nanoarrays. <i>Chemical Communications</i> , 2002 , 2178-9	5.8	40
230	Chemical retro-cyclopropanation reactions in methanofullerenes: effect of the 18-crown-6 moiety. <i>Journal of Supramolecular Chemistry</i> , 2001 , 1, 299-303		9
229	N,N-dialkylaniline-substituted tetraethynylethenes: a new class of chromophores possessing an emitting charge-transfer state. Experimental and computational studies. <i>ChemPhysChem</i> , 2001 , 2, 423-33 ²		17
228	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> , 2001 , 84, 296-334	2	53
227	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> , 2001 , 84, 473-480	2	19
226	Photoswitchable Tetraethynylethene-Dihydroazulene Chromophores. <i>Helvetica Chimica Acta</i> , 2001 , 84, 743-777	2	77

225	Hexakis-Adducts of [60]Fullerene with Different Addition Patterns: Templated Synthesis, Physical Properties, and Chemical Reactivity. <i>Helvetica Chimica Acta</i> , 2001 , 84, 1207-1226	2	21
224	Exploiting the Confined Reactivity of C _{2v} -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> , 2001 , 84, 1635-1660	2	7
223	Conformational Switching of Resorcin[4]arene Cavitands by Protonation, Preliminary Communication. <i>Helvetica Chimica Acta</i> , 2001 , 84, 2146-2153	2	74
222	1,3-Diethynylallenes: New Modules for Three-Dimensional Acetylenic Scaffolding. <i>Angewandte Chemie</i> , 2001 , 113, 2396-2399	3.6	27
221	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</i> , 2001 , 113, 4164-4166	3.6	16
220	Pt-tetraethynylethene molecular scaffolding: synthesis and characterization of a novel class of organometallic molecular rods. <i>Chemistry - A European Journal</i> , 2001 , 7, 1333-41	4.8	59
219	Highly functionalized dimeric tetraethynylethenes and expanded radialenes: strong evidence for macrocyclic cross-conjugation. <i>Chemistry - A European Journal</i> , 2001 , 7, 3263-80	4.8	78
218	1,3-Diethynylallenes: New Modules for Three-Dimensional Acetylenic Scaffolding. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 2334-2337	16.4	38
217	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> , 2001 , 40, 4040-4042	16.4	51
216	Tetrathiafulvalene- π -cetylene scaffolding: new π -electron systems for advanced materials. <i>Chemical Communications</i> , 2001 , 1848-1849	5.8	23
215	Synthesis of molecular-gripper-type dynamic receptors and STM-imaging of self-assembled monolayers on gold. <i>Journal of Materials Chemistry</i> , 2001 , 11, 2895-2897		24
214	Carbon-rich acetylenic scaffolding: rods, rings and switches. <i>Chemical Communications</i> , 2001 , 219-227	5.8	160
213	Structure-based design, synthesis, and in vitro evaluation of bisubstrate inhibitors for catechol O-methyltransferase (COMT). <i>Chemistry - A European Journal</i> , 2000 , 6, 971-82	4.8	57
212	. <i>Chemistry - A European Journal</i> , 2000 , 6, 1629-1645	4.8	69
211	Cleft-Type Diamidinium Receptors for Dicarboxylate Binding in Protic Solvents. <i>Helvetica Chimica Acta</i> , 2000 , 83, 80-92	2	41
210	Tetrakis(phenylamidinium)-Substituted Resorcin[4]arene Receptors for the Complexation of Dicarboxylates and Phosphates in Protic Solvents. <i>Helvetica Chimica Acta</i> , 2000 , 83, 93-113	2	71
209	Synthesis of Novel Nonpeptidic Thrombin Inhibitors. <i>Helvetica Chimica Acta</i> , 2000 , 83, 855-909	2	64
208	Regioselective One-Step Synthesis and Topological Chirality of trans-3, trans-3,trans-3 and e,e,e [60]Fullerene-Cyclotriveratrylene Tris-adducts: Discussion on a Topological meso-Form. <i>Helvetica Chimica Acta</i> , 2000 , 83, 1209-1223	2	14

207	Dendritic, 1,1'-Binaphthalene-Derived Cleft-Type Receptors (Dendroclefts) for the Molecular Recognition of Pyranosides. <i>Helvetica Chimica Acta</i> , 2000 , 83, 1346-1376	2	42
206	Donor-Acceptor-Functionalized Tetraethynylethenes with Nitrothienyl Substituents: Structure-Property Relationships. <i>Helvetica Chimica Acta</i> , 2000 , 83, 1484-1508	2	18
205	Optically Active Macrocyclic cis-3 Bis-Adducts of C ₆₀ : 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. <i>Helvetica Chimica Acta</i> , 2000 , 83, 3069-3096	2	38
204	Acetylenkupplungen: eine leistungsfähige Methode für den Aufbau von Molekülen. <i>Angewandte Chemie</i> , 2000 , 112, 2740-2767	3.6	282
203	Higher Adducts of C ₆₀ 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> , 2000 , 112, 3971-3974	3.6	9
202	Selective electrolytic removal of bis(alkoxycarbonyl)methano addends from C ₆₀ bis-adducts and electrochemical stability of C ₇₀ derivatives. <i>Chemistry - A European Journal</i> , 2000 , 6, 2184-92	4.8	38
201	Monodisperse poly(triacetylene) oligomers extending from monomer to hexadecamer: joint experimental and theoretical investigation of physical properties. <i>Chemistry - A European Journal</i> , 2000 , 6, 3622-35	4.8	50
200	Synthesis and physical investigation of donor-donor and acceptor-acceptor end-functionalized monodisperse poly(triacetylene) oligomers. <i>Chemistry - A European Journal</i> , 2000 , 6, 4400-12	4.8	27
199	Acetylenic Coupling: A Powerful Tool in Molecular Construction. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 2632-2657	16.4	1276
198	Higher Adducts of C ₆₀ 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> , 2000 , 39, 3813-3816	16.4	20
197	Thermotropic behaviour of covalent fullerene adducts displaying 4-cyano-4'-oxybiphenyl mesogens. <i>Perkin Transactions II RSC</i> , 2000 , 193-198		52
196	Conformational analysis in solution of C ₂ -symmetric 1, 1'-binaphthyl derivatives by circular dichroism spectroscopy and cholesteric induction in nematic mesophases. <i>Journal of Organic Chemistry</i> , 2000 , 65, 5522-7	4.2	72
195	First tether-directed regioselective bis-functionalisation of C ₇₀ : effects of cation complexation on the redox properties of diastereoisomeric fullerene crown ether conjugates. <i>Chemical Communications</i> , 2000 , 1859-1860	5.8	24
194	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> , 2000 , 4231-4233		27
193	Charge-transfer interactions in face-to-face porphyrin-fullerene systems: solvent-dependent luminescence in the infrared spectral region. <i>Chemistry - A European Journal</i> , 2000 , 6, 1629-45	4.8	159
192	Supramolecular Dendrimer Chemistry: A Journey Through the Branched Architecture. <i>Topics in Current Chemistry</i> , 2000 , 183-227		103
191	Templated Regioselective and Stereoselective Synthesis in Fullerene Chemistry. <i>Accounts of Chemical Research</i> , 1999 , 32, 537-545	24.3	236
190	Achiral and Chiral Higher Adducts of C ₇₀ by Bingel Cyclopropanation. <i>Helvetica Chimica Acta</i> , 1999 , 82, 261-289	2	24

189	Catalytic Dendrophanes as Enzyme Mimics: Synthesis, Binding Properties, Micropolarity Effect, and Catalytic Activity of Dendritic Thiazolio-cyclophanes. <i>Helvetica Chimica Acta</i> , 1999 , 82, 1066-1095	2	78
188	Modulation of π Electron Conjugation in Oligo(triacetylene) Chromophores by Incorporation of a Central Spacer. <i>Helvetica Chimica Acta</i> , 1999 , 82, 1470-1485	2	24
187	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> , 1999 , 82, 1572-1595	2	52
186	Structure-Function Relationships in the Complexation of Steroids by a Synthetic Receptor. <i>Helvetica Chimica Acta</i> , 1999 , 82, 1843-1859	2	11
185	Ein neuer dreifacher chromophorer molekularer Schalter: pH- und lichtabhängige Schaltcyclen. <i>Angewandte Chemie</i> , 1999 , 111, 737-740	3.6	39
184	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> , 1999 , 111, 834-838	3.6	15
183	Lineare monodisperse π konjugierte Oligomere: mehr als nur Modellverbindungen für Polymere. <i>Angewandte Chemie</i> , 1999 , 111, 1440-1469	3.6	182
182	Die Chemie von C ₈₄ : Trennung von drei Konstitutionsisomeren des Fullerenes C ₈₄ und der Enantiomere von D ₂ -C ₈₄ durch die Bingel-Retro-Bingel-Strategie. <i>Angewandte Chemie</i> , 1999 , 111, 1716-1721	3.6	20
181	Dendritische Eisenporphyrine mit kovalent fixierten axialen Liganden: neue Modellsysteme für Cytochrome. <i>Angewandte Chemie</i> , 1999 , 111, 3400-3405	3.6	20
180	A Novel Three-Way Chromophoric Molecular Switch: pH and Light Controllable Switching Cycles. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 674-678	16.4	138
179	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> , 1999 , 38, 817-821	16.4	42
178	Linear Monodisperse π Conjugated Oligomers: Model Compounds for Polymers and More. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 1350-1377	16.4	800
177	Chemistry of C ₈₄ : Separation of Three Constitutional Isomers and Optical Resolution of D ₂ -C ₈₄ by Using the "Bingel-Retro-Bingel" Strategy. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 1613-1617	16.4	87
176	Dendritic Iron Porphyrins with Tethered Axial Ligands: New Model Compounds for Cytochromes. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 3215-3219	16.4	99
175	The self-assembly of fullerene-containing [2]pseudorotaxanes: formation of a supramolecular C ₆₀ dimer. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999 , 1577-1586		59
174	A new synthon for the incorporation of [60]fullerene in macrocycles. <i>New Journal of Chemistry</i> , 1999 , 23, 1125-1127	3.6	4
173	The Higher Fullerenes: Covalent Chemistry and Chirality. <i>Topics in Current Chemistry</i> , 1999 , 135-171		55
172	Regioselective one-step synthesis of trans-3,trans-3,trans-3 and e,e,e [60]fullerene tris-adducts directed by a C ₃ -symmetrical cyclotrimeratrylene tether. <i>Chemical Communications</i> , 1999 , 1121-1122	5.8	35

171	Supramolecular fullerene chemistry. <i>Chemical Society Reviews</i> , 1999 , 28, 263-277	58.5	644
170	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 1999 , 38, 817		1
169	Linear Monodisperse π -Conjugated Oligomers: Model Compounds for Polymers and More 1999 , 38, 1350		2
168	Dendritic Iron Porphyrins with Tethered Axial Ligands: New Model Compounds for Cytochromes 1999 , 38, 3215		1
167	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 1999 , 82, 1572		1
166	Cyclic and Linear Acetylenic Molecular Scaffolding. <i>Topics in Current Chemistry</i> , 1999 , 43-79		57
165	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. <i>Helvetica Chimica Acta</i> , 1998 , 81, 1835-1844	2	92
164	Molecular Recognition of Pyranosides by a Family of Trimeric, 1,1'-Binaphthalene-Derived Cyclophane Receptors. <i>Helvetica Chimica Acta</i> , 1998 , 81, 1931-1963	2	69
163	Porphyrin-[(E)-1,2-Diethynylethene] Scaffolding: Synthesis and Optical and Electrochemical Properties of Multinanometer-Sized Porphyrin Arrays. <i>Helvetica Chimica Acta</i> , 1998 , 81, 1964-1977	2	38
162	PtII-gesteuerte Selbstorganisation eines zweikernigen, Fulleren-haltigen Cyclophans. <i>Angewandte Chemie</i> , 1998 , 110, 2019-2022	3.6	19
161	Herstellung von enantiomerenreinem C76 durch Retro-Bingel-Reaktion. <i>Angewandte Chemie</i> , 1998 , 110, 2022-2025	3.6	30
160	Regioselective, durch einen Kronenether- Spacer kontrollierte Synthese von trans-1-Fulleren-Bisaddukten: Alkalimetallionen- abhängige Redox Eigenschaften von Fulleren-Kronenether-Konjugaten. <i>Angewandte Chemie</i> , 1998 , 110, 2203-2207	3.6	17
159	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> , 1998 , 110, 2993-2998	3.6	33
158	Supramolekulare Aggregate durch Einfädeln molekularer Stäbe mit Steroid-Endgruppen in dendritische Cyclophane (Dendrophane). <i>Angewandte Chemie</i> , 1998 , 110, 3357-3361	3.6	12
157	A Copper(I)-Complexed Rotaxane with Two Fullerene Stoppers: Synthesis, Electrochemistry, and Photoinduced Processes. <i>Chemistry - A European Journal</i> , 1998 , 4, 406-416	4.8	128
156	Bucky Ligands: Synthesis, Ruthenium(II) Complexes, and Electrochemical Properties. <i>Chemistry - A European Journal</i> , 1998 , 4, 723-733	4.8	78
155	Functional Dendrimers: Unique Biological Mimics. <i>Chemistry - A European Journal</i> , 1998 , 4, 1353-1361	4.8	320
154	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> , 1998 , 4, 2258-2265	4.8	31

153	PtII-Directed Self-Assembly of a Dinuclear Cyclophane Containing Two Fullerenes. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 1916-1919	16.4	82
152	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> , 1998 , 37, 1919-1922	16.4	99
151	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. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2118-2121	16.4	73
150	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. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2833-2837	16.4	185
149	Supramolecular Aggregates of Dendritic Cyclophanes (Dendrophanes) Threaded on Molecular Rods with Steroid Termini. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 3154-3158	16.4	26
148	One- and Two-Dimensionally Conjugated Tetraethynylethenes: Structure versus Second-Order Optical Polarizabilities. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 29-32	3.4	37
147	Dendritic rods with a poly(triacetylene) backbone: insulated molecular wires. <i>Chemical Communications</i> , 1998 , 1013-1014	5.8	57
146	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> , 1998 , 233-242		21
145	Absolute configuration of chiral fullerenes and covalent derivatives from their calculated circular dichroism spectra. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998 , 1719-1724		39
144	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> , 1998 , 120, 8545-8546	16.4	55
143	Stable Langmuir and Langmuir-Blodgett Films of Fullerene-Polydendron Conjugates. <i>Langmuir</i> , 1998 , 14, 1955-1959	4	136
142	Structure-Property Relationships in Third-Order Nonlinear Optical Chromophores. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 4451-4465	3.4	225
141	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> , 1998 , 747-762		44
140	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 1998 , 37, 2833		1
139	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 1998 , 37, 2833		3
138	Steroids in Molecular Recognition. <i>Chemical Reviews</i> , 1997 , 97, 1567-1608	68.1	225
137	Electronic Characteristics of Arylated Tetraethynylethenes: A Cooperative Computational and Electrochemical Investigation. <i>Journal of the American Chemical Society</i> , 1997 , 119, 2069-2078	16.4	77
136	Dioxygen and carbon monoxide binding in dendritic iron(ii)porphyrins. <i>Chemical Communications</i> , 1997 , 193-194	5.8	73

135	Reactions of C ₂ -symmetrical C ₆₀ 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> , 1997 , 237-238	5.8	24
134	Configurational Description of Chiral Fullerenes and Fullerene Derivatives with a Chiral Functionalization Pattern. <i>Helvetica Chimica Acta</i> , 1997 , 80, 183-199	2	60
133	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> , 1997 , 4, 287-95		76
132	Self-Assembly of the First Fullerene-Containing [2]Catenane. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 1448-1451		52
131	The Covalent Chemistry of Higher Fullerenes: C ₇₀ and Beyond. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2268-2280		103
130	Tetraethynylethene molecular scaffolding: Nonlinear optical, redox, and amphiphilic properties of donor functionalized polytriacetylene and expanded radialenes. <i>Advanced Materials</i> , 1997 , 9, 339-343	24	35
129	Aufbau des ersten Fulleren-haltigen [2]Catenans durch Selbstorganisation. <i>Angewandte Chemie</i> , 1997 , 109, 1611-1614	3.6	11
128	Die kovalente Chemie der höheren Fullerenes: C ₇₀ und jenseits davon. <i>Angewandte Chemie</i> , 1997 , 109, 2362-2374	3.6	33
127	Methanofullerene Molecular Scaffolding: Towards C ₆₀ -substituted poly(triacetylenes) and expanded radialenes, preparation of a C ₆₀ /C ₇₀ hybrid derivative, and a novel macrocyclization reaction. <i>Helvetica Chimica Acta</i> , 1997 , 80, 293-316	2	80
126	Multiple Adducts of C ₆₀ by Tether-Directed Remote Functionalization and synthesis of soluble derivatives of new carbon allotropes C _n (60+5). <i>Helvetica Chimica Acta</i> , 1997 , 80, 317-342	2	77
125	Bis- through Tetrakis-Adducts of C ₆₀ 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> , 1997 , 80, 343-371	2	99
124	Catalytic Cyclophanes. Part XI. A flavo-thiazolio-cyclophane as a biomimetic catalyst for the preparative-scale electro-oxidation of aromatic aldehydes to methyl esters. <i>Helvetica Chimica Acta</i> , 1997 , 80, 1555-1588	2	37
123	Dendrimers with Porphyrin Cores: Synthetic models for globular heme proteins. <i>Helvetica Chimica Acta</i> , 1997 , 80, 1773-1801	2	105
122	Macrocyclization on the fullerene core: Direct regio- and diastereoselective multi-functionalization of [60]fullerene, and synthesis of fullerene-dendrimer derivatives. <i>Helvetica Chimica Acta</i> , 1997 , 80, 2238-2276 ¹³³		
121	New Cyclophanes as Initiator Cores for the Construction of Dendritic Receptors: Host-guest complexation in aqueous solutions and structures of solid-state inclusion compounds. <i>Helvetica Chimica Acta</i> , 1997 , 80, 2368-2390	2	34
120	Poly(triacetylene) Oligomers: Synthesis, Characterization, and Estimation of the Effective Conjugation Length by Electrochemical, UV/Vis, and Nonlinear Optical Methods. <i>Chemistry - A European Journal</i> , 1997 , 3, 1505-1512	4.8	73
119	Towards the Synthesis of Tetraethynylallene. <i>Synthesis</i> , 1996 , 1996, 537-550	2.9	31
118	Regiospecific templated synthesis of D _{2h} -symmetrical tetrakis-adduct C ₆₄ (COOEt) ₈ by reversible tether-directed remote functionalization of C ₆₀ . <i>Chemical Communications</i> , 1996 , 797	5.8	26

117	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> , 1996 , 118, 6044-6051	16.4	47
116	Fullerene-Acetylene Molecular Scaffolding: Chemistry of 2-functionalized 1-ethynylated C ₆₀ , oxidative homocoupling, hexakis-adduct formation, and attempted synthesis of C. <i>Helvetica Chimica Acta</i> , 1996 , 79, 6-20	2	43
115	1,1,2,2-Tetraethynylethanes: Synthons for Tetraethynylethenes and Modules for Acetylenic Molecular Scaffolding. <i>Helvetica Chimica Acta</i> , 1996 , 79, 634-645	2	21
114	Dendrophanes: Novel Steroid-Recognizing Dendritic Receptors. Preliminary Communication. <i>Helvetica Chimica Acta</i> , 1996 , 79, 779-788	2	59
113	The X-Ray Crystal Structure and Packing of a Hexakis-adduct of C ₆₀ : Temperature dependence of weak C ₂ H ₂ interactions. <i>Helvetica Chimica Acta</i> , 1996 , 79, 1047-1058	2	43
112	Synthesis, Separation, and Characterization of Optically Pure C ₇₆ Mono-Adducts. <i>Helvetica Chimica Acta</i> , 1996 , 79, 1741-1756	2	27
111	Donor/Acceptor-Substituted Tetraethynylethenes: Systematic Assembly of Molecules for Use as Advanced Materials. <i>Helvetica Chimica Acta</i> , 1996 , 79, 2249-2281	2	65
110	Donor/Acceptor substituted tetraethynylethenes. <i>Advanced Materials</i> , 1996 , 8, 226-231	24	41
109	Structure-property relationships in nonlinear optical tetraethynylethenes. <i>Advanced Materials</i> , 1996 , 8, 231-234	24	74
108	Regio- und diastereoselektive Bisfunktionalisierung von C ₆₀ -Fulleren und enantioselektive Synthese eines C ₆₀ -Fullerenderivates mit chiralem Additionsmuster. <i>Angewandte Chemie</i> , 1996 , 108, 2242-2244	3.6	53
107	Water-Soluble Dendritic Iron Porphyrins: Synthetic Models of Globular Heme Proteins. <i>Angewandte Chemie International Edition in English</i> , 1996 , 34, 2725-2728		112
106	Regio- and Diastereoselective Bisfunctionalization of C ₆₀ and Enantioselective Synthesis of a C ₆₀ Derivative with a Chiral Addition Pattern. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 2101-2103		179
105	Fullerene-acetylene hybrids: Towards a novel class of molecular carbon allotropes. <i>Tetrahedron</i> , 1996 , 52, 4925-4947	2.4	78
104	Cavity depth and width effects on cyclophane-steroid recognition: molecular complexation of cholesterol and progesterone in aqueous solution. <i>Chemistry and Biology</i> , 1995 , 2, 139-46		25
103	π-Complexes incorporating tetrakis(phenylethynyl)ethene. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995 , 875-886		15
102	A copper(I)-complexed rotaxane with two fullerene stoppers. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 781		82
101	Hexakis(trimethylsilylethynyl)[3]radialen: ein kohlenstoffreicher Chromophor mit ungewöhnlichen elektronischen Eigenschaften. <i>Angewandte Chemie</i> , 1995 , 107, 898-901	3.6	12
100	Lineare Derivate von C ₁₉₅ und C ₂₆₀ : die ersten Verbindungen einer neuen Klasse von Kohlenstoffallotropen C _n (60 + 5). <i>Angewandte Chemie</i> , 1995 , 107, 1636-1639	3.6	35

99	Eine neue Klasse chiraler, von 1,1'-Binaphthyl abgeleiteter Cyclophan-Rezeptoren: Komplexierung von Pyranosiden. <i>Angewandte Chemie</i> , 1995 , 107, 1722-1725	3.6	42
98	Design neuartiger, nichtpeptidischer Thrombin-Inhibitoren und Struktur eines Thrombin-Inhibitor-Komplexes. <i>Angewandte Chemie</i> , 1995 , 107, 1874-1877	3.6	16
97	Wasserlösliche dendritische Eisenporphyrine: synthetische Modelle für globuläre Hb-Proteine. <i>Angewandte Chemie</i> , 1995 , 107, 2906-2909	3.6	38
96	Linear and Cyclic Platinum Acetylide Complexes of Tetraethynylethene. <i>Chemistry - A European Journal</i> , 1995 , 1, 111-117	4.8	73
95	Synthesis of a Fullerene[60] Cryptate and Systematic Langmuir-Blodgett and Thin-Film Investigations of Amphiphilic Fullerene Derivatives. <i>Chemistry - A European Journal</i> , 1995 , 1, 243-251	4.8	75
94	Hexakis(trimethylsilylethynyl)[3]radialene: A Carbon-Rich Chromophore with Unusual Electronic Properties. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 805-809		48
93	Solubilized Derivatives of C195 and C260: The First Members of a New Class of Carbon Allotropes C _n (60 + 5). <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 1466-1469		70
92	A New Family of Chiral Binaphthyl-Derived Cyclophane Receptors: Complexation of Pyranosides. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 1596-1600		132
91	Design of Novel, Nonpeptidic Thrombin Inhibitors and Structure of a Thrombin Inhibitor Complex. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 1739-1742		43
90	Tetraethynylethenes: Fully cross-conjugated electron chromophores and molecular scaffolds for all-carbon networks and carbon-rich nanomaterials. <i>Helvetica Chimica Acta</i> , 1995 , 78, 13-45	2	101
89	The X-Ray Crystal Structures of a 1,9- and a 7,8-Diels-Alder monoadduct of C70. <i>Helvetica Chimica Acta</i> , 1995 , 78, 344-354	2	39
88	Molecular Clefts Derived from 9,9'-spirobi[9H-fluorene] for enantioselective complexation of pyranosides and dicarboxylic acids. <i>Helvetica Chimica Acta</i> , 1995 , 78, 367-390	2	67
87	Acyclic Tetraethynylethene Molecular Scaffolding: Multinanometer-sized linearly conjugated rods with the poly(triacetylene) backbone and cross-conjugated expanded dendralenes. <i>Helvetica Chimica Acta</i> , 1995 , 78, 779-796	2	63
86	Macrocyclic Tetraethynylethene Molecular Scaffolding: Perethynylated aromatic dodecahydro[18]annulenes, antiaromatic octadecahydro[12]annulenes, and expanded radialenes. <i>Helvetica Chimica Acta</i> , 1995 , 78, 797-817	2	56
85	Electrochemistry of Mono- through Hexakis-adducts of C60. <i>Helvetica Chimica Acta</i> , 1995 , 78, 1334-1344		96
84	Multiple Cyclopropanations of C70. 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> , 1995 , 78, 1673-1704	2	66
83	Dendrophanes: Water-Soluble Dendritic Receptors. Preliminary communication. <i>Helvetica Chimica Acta</i> , 1995 , 78, 1904-1912	2	76
82	Steroid complexation by cyclophane receptors in aqueous solution: Substrate selectivity, enthalpic driving force for cavity inclusion, and enthalpy-entropy compensation. <i>Tetrahedron</i> , 1995 , 51, 401-421	2.4	41

81	Synthetic Routes to the Cyclo[n]carbons. <i>Helvetica Chimica Acta</i> , 1994 , 77, 1441-1457	2	90
80	Chemistry of the Higher Fullerenes: Preparative isolation of C ₇₆ by HPLC and synthesis, separation, and characterization of Diels-Alder monoadducts of C ₇₀ and C ₇₆ . <i>Helvetica Chimica Acta</i> , 1994 , 77, 1689-1706		92
79	Expanded Radialenes: A Novel Class of Cross-Conjugated Macrocycles. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 468-471		73
78	Stable Soluble Conjugated Carbon Rods with a Persilylethynylated Polytriacetylene Backbone. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 763-766		66
77	Fullerene-Acetylene Hybrids: On the Way to Synthetic Molecular Carbon Allotropes. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 1366-1368		90
76	Dendritic Porphyrins: Modulating Redox Potentials of Electroactive Chromophores with Pendant Multifunctionality. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 1739-1742		216
75	Tether-Directed Remote Functionalization of Buckminsterfullerene: Regiospecific Hexaadduct Formation. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 2339-2342		170
74	Polytriacetylenes: Conjugated polymers with a novel all-carbon backbone. <i>Advanced Materials</i> , 1994 , 6, 786-790	24	53
73	Expandierte Radialene: Eine neue Klasse kreuzkonjugierter Makrocyclen. <i>Angewandte Chemie</i> , 1994 , 106, 482-485	3.6	36
72	Stabile, lösliche, konjugierte Kohlenstoffstäbe mit einem persilylethynylierten Polytriacetylen-Rückgrat. <i>Angewandte Chemie</i> , 1994 , 106, 794-798	3.6	32
71	Fulleren-Acetylen-Hybride: auf dem Weg zu neuen, synthetischen molekularen Kohlenstoffallotropen. <i>Angewandte Chemie</i> , 1994 , 106, 1427-1429	3.6	23
70	Lösen von Cholesterin in Wasser mit Hilfe eines synthetischen Rezeptors. <i>Angewandte Chemie</i> , 1994 , 106, 1688-1690	3.6	12
69	Dendritische Porphyrine: Modulation des Redoxpotentials elektroaktiver Chromophore durch periphere Multifunktionalität. <i>Angewandte Chemie</i> , 1994 , 106, 1821-1824	3.6	52
68	Spacer-kontrollierte Fernfunktionalisierung von Buckminsterfullerenen: regiospezifische Bildung eines Hexaadduktes. <i>Angewandte Chemie</i> , 1994 , 106, 2434-2437	3.6	70
67	Carbon scaffolding: building acetylenic all-carbon and carbon-rich compounds. <i>Nature</i> , 1994 , 369, 199-207	3.4	395
66	Dissolution of Cholesterol in Water by a Synthetic Receptor. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 1625-1628		30
65	Mono- and di-nuclear platinum acetylide complexes of tetraethynylethene. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 2045-2046		20
64	Stable [12]- and [18]Annulenes Derived from Tetraethynylethene. <i>Angewandte Chemie International Edition in English</i> , 1993 , 32, 406-409		86

63	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> , 1993 , 32, 1187-1189		50
62	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> , 1993 , 32, 1706-1709		11
61	Tetrakis(trialkylsilylethynyl)butatrien und 1,1,4,4-Tetrakis(trialkylsilylethynyl)-1,3-butadien: neue kreuzkonjugierte Chromophore. <i>Angewandte Chemie</i> , 1993 , 105, 1235-1238	3.6	24
60	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. <i>Helvetica Chimica Acta</i> , 1993 , 76, 2445-2453	2	150
59	A New Helicopodand: Molecular Recognition of Dicarboxylic Acids with High Diastereoselectivity. <i>Helvetica Chimica Acta</i> , 1993 , 76, 2757-2774	2	87
58	Coalescence reactions of fullerenes. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1993 , 26, 300-304		9
57	Chiral Molecular Clefs For Dicarboxylic Acid Complexation. <i>Israel Journal of Chemistry</i> , 1992 , 32, 69-77	3.4	21
56	Structure and properties of superconducting and nonsuperconducting alkali-metal fullerenes axc60 (A = Na, K, Rb, or Cs). <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1992 , 59, 389-397		1
55	Beyond C60: the higher fullerenes. <i>Accounts of Chemical Research</i> , 1992 , 25, 119-126	24.3	325
54	The Stability of Buckminsterfullerene (C60): Experimental Determination of the Heat of Formation. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 63-64		80
53	Synthetic Approaches toward Molecular and Polymeric Carbon Allotropes. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 1101-1123		513
52	Novel Cross-Conjugated Compounds Derived from Tetraethynylethene. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 1240-1242		41
51	Enantioselective Complexation of Chiral Dicarboxylic Acids in Clefs of Functionalized 9,9'-Spirobifluorenes. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 1521-1523		43
50	Strategien zum Aufbau molekularer und polymerer Kohlenstoffallotrope. <i>Angewandte Chemie</i> , 1992 , 104, 1123-1146	3.6	185
49	Neue, von Tetraethynylethen abgeleitete, kreuzkonjugierte Verbindungen. <i>Angewandte Chemie</i> , 1992 , 104, 1270-1273	3.6	21
48	Enantioselektive Komplexierung chiraler Dicarbonsäuren in funktionalisierten spaltenförmigen 9,9'-Spirobifluorenen. <i>Angewandte Chemie</i> , 1992 , 104, 1503-1505	3.6	27
47	Solvent Effects in Molecular Recognition.. <i>Acta Chemica Scandinavica</i> , 1992 , 46, 205-215		54
46	Isolation of C76, a chiral (D2) allotrope of carbon. <i>Nature</i> , 1991 , 353, 149-153	50.4	376

45	Tetraethynylethene. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 698-700		72
44	C60: From Soot to Superconductors. <i>Angewandte Chemie</i> , 1991 , 103, 695-697	3.6	18
43	Tetraethynylethen. <i>Angewandte Chemie</i> , 1991 , 103, 708-710	3.6	38
42	Enthalpically driven cyclophane-arene inclusion complexation: solvent-dependent calorimetric studies. <i>Journal of the American Chemical Society</i> , 1991 , 113, 5420-5426	16.4	214
41	The higher oxides of carbon C _{8n} O _{2n} (n = 3-5): synthesis, characterization, and x-ray crystal structure. Formation of cyclo[n]carbon ions C _n ⁺ (n = 18, 24), C _n ⁻ (n = 18, 24, 30), and higher carbon ions including C ₆₀ ⁺ in laser desorption Fourier transform mass spectrometric experiments. <i>Journal of the American Chemical Society</i> , 1991 , 113, 495-500	16.4	134
40	Synthesis of the helicopodands: novel shapes for chiral clefts. <i>Journal of Organic Chemistry</i> , 1991 , 56, 6787-6795	4.2	65
39	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. <i>Journal of the American Chemical Society</i> , 1991 , 113, 6943-6949	16.4	140
38	Cyclophane-arene inclusion complexation in protic solvents: solvent effects versus electron donor-acceptor interactions. <i>Journal of the American Chemical Society</i> , 1991 , 113, 5410-5419	16.4	127
37	Electronic and structural properties of the cyclobutenodehydroannulenes. <i>Journal of the American Chemical Society</i> , 1990 , 112, 1618-1623	16.4	30
36	Synthesis and crystal structure of a stable hexacobalt complex of cyclo[18]carbon. <i>Journal of the American Chemical Society</i> , 1990 , 112, 4966-4968	16.4	92
35	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. <i>Journal of the American Chemical Society</i> , 1990 , 112, 1607-1617	16.4	90
34	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> , 1990 , 112, 339-343	16.4	218
33	Characterization of the soluble all-carbon molecules C ₆₀ and C ₇₀ . <i>The Journal of Physical Chemistry</i> , 1990 , 94, 8630-8633		750
32	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> , 1989 , 29, 201-212	3.4	15
31	Cyclophane zur Komplexierung von Neutralkmolekülen. <i>Angewandte Chemie</i> , 1988 , 100, 372-396	3.6	118
30	Complexation of Neutral Molecules by Cyclophane Hosts. <i>Angewandte Chemie International Edition in English</i> , 1988 , 27, 362-386		340
29	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> , 1988 , 27, 1705-1711		28
28	Synthesis of a Macrobicyclic Thiazolium-Host and Supramolecular Catalysis of the Benzoin Condensation. <i>Angewandte Chemie International Edition in English</i> , 1986 , 25, 1125-1127		31

27	Electron Donor-Acceptor Interactions in Host-Guest Complexes in Organic Solutions. <i>Angewandte Chemie International Edition in English</i> , 1986 , 25, 1127-1129		45
26	Elektron-Donor-Acceptor-Wechselwirkungen in Wirt-Gast-Komplexen in organischen Lösungsmitteln. <i>Angewandte Chemie</i> , 1986 , 98, 1127-1129	3.6	13
25	Water-soluble tetraoxa[n.1.n.1]paracyclophanes: Synthesis and host-guest interactions in aqueous solution. <i>Chemische Berichte</i> , 1985 , 118, 3588-3619		42
24	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> , 1984 , 106, 8037-8046	16.4	51
23	Inclusion Complexes between a Macrocyclic Host Molecule and Aromatic Hydrocarbons in Aqueous Solution. <i>Angewandte Chemie International Edition in English</i> , 1983 , 22, 715-716		29
22	Molecular Structure and Spectroscopic Properties of Kekulene. <i>Angewandte Chemie International Edition in English</i> , 1979 , 18, 699-701		39
21	Molekülstruktur und spektroskopische Eigenschaften des Kekulens. <i>Angewandte Chemie</i> , 1979 , 91, 733-735		22
20	Benzenoid versus Annulenoïd Aromaticity: Synthesis and Properties of Kekulene. <i>Angewandte Chemie International Edition in English</i> , 1978 , 17, 372-374		141
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