

Yoshito Tobe

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308
papers

10,092
citations

52
h-index

85
g-index

343
ext. papers

10,848
ext. citations

6.7
avg, IF

6.11
L-index

#	Paper	IF	Citations
308	Polyethynylated cyclic systems: scaffoldings for novel two and three-dimensional carbon networks. <i>Chemical Society Reviews</i> , 1999 , 28, 107-119	58.5	335
307	Two-dimensional porous molecular networks of dehydrobenzo[12]annulene derivatives via alkyl chain interdigitation. <i>Journal of the American Chemical Society</i> , 2006 , 128, 16613-25	16.4	323
306	Molecular loops and belts. <i>Chemical Reviews</i> , 2006 , 106, 5274-90	68.1	299
305	One building block, two different supramolecular surface-confined patterns: concentration in control at the solid-liquid interface. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2964-8	16.4	255
304	Covalent modification of graphene and graphite using diazonium chemistry: tunable grafting and nanomanipulation. <i>ACS Nano</i> , 2015 , 9, 5520-35	16.7	221
303	m-Diethynylbenzene macrocycles: syntheses and self-association behavior in solution. <i>Journal of the American Chemical Society</i> , 2002 , 124, 5350-64	16.4	202
302	Indeno[2,1-a]fluorene: an air-stable ortho-quinodimethane derivative. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6906-10	16.4	194
301	Indeno[2,1-b]fluorene: a 20- π -electron hydrocarbon with very low-energy light absorption. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6076-9	16.4	189
300	Structural transformation of a two-dimensional molecular network in response to selective guest inclusion. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2831-4	16.4	174
299	Temperature-induced structural phase transitions in a two-dimensional self-assembled network. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12068-75	16.4	158
298	Supramolecular surface-confined architectures created by self-assembly of triangular phenylene-ethynylene macrocycles via van der Waals interaction. <i>Chemical Communications</i> , 2010 , 46, 8507-25	5.8	158
297	Control and induction of surface-confined homochiral porous molecular networks. <i>Nature Chemistry</i> , 2011 , 3, 714-9	17.6	155
296	Programmable hierarchical three-component 2D assembly at a liquid-solid interface: recognition, selection, and transformation. <i>Nano Letters</i> , 2008 , 8, 2541-6	11.5	145
295	Two-dimensional crystal engineering: a four-component architecture at a liquid-solid interface. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7353-7	16.4	140
294	Molecular clusters in two-dimensional surface-confined nanoporous molecular networks: structure, rigidity, and dynamics. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7119-29	16.4	140
293	Molecular geometry directed Kagom \ddot{u} and honeycomb networks: toward two-dimensional crystal engineering. <i>Journal of the American Chemical Society</i> , 2006 , 128, 3502-3	16.4	133
292	2D networks of rhombic-shaped fused dehydrobenzo[12]annulenes: structural variations under concentration control. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17583-90	16.4	114

291	Synthesis and anion-selective complexation of cyclophane-based cyclic thioureas. <i>Journal of Organic Chemistry</i> , 2000 , 65, 275-83	4.2	112
290	Synthesis and properties of trefoil-shaped tris(hexadehydrotribenzo[12]annulene) and tris(tetradehydrotribenzo[12]annulene). <i>Organic Letters</i> , 2006 , 8, 2933-6	6.2	101
289	Synthesis of differentially substituted hexaethynylbenzenes based on tandem Sonogashira and Negishi cross-coupling reactions. <i>Organic Letters</i> , 2001 , 3, 2419-21	6.2	94
288	Synthesis and Association Behavior of [4.4.4.4.4]Metacyclophanedodecayne Derivatives with Interior Binding Groups. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 1285-1287	16.4	91
287	Synthesis and association behavior of butadiyne-bridged. <i>Organic Letters</i> , 2000 , 2, 3265-8	6.2	85
286	[5]Paracyclophane. <i>Journal of the American Chemical Society</i> , 1985 , 107, 3716-3717	16.4	85
285	Donors and acceptors based on triangular dehydrobenzo[12]annulenes: formation of a triple-layered rosette structure by a charge-transfer complex. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14339-45	16.4	84
284	Non-alternant non-benzenoid kekulenes: the birth of a new kekulene family. <i>Chemical Society Reviews</i> , 2015 , 44, 6560-77	58.5	83
283	Tetradehydrodinaphtho[10]annulene: a hitherto unknown dehydroannulene and a viable precursor to stable zethrene derivatives. <i>Organic Letters</i> , 2009 , 11, 4104-6	6.2	83
282	Dynamic control over supramolecular handedness by selecting chiral induction pathways at the solution-solid interface. <i>Nature Chemistry</i> , 2016 , 8, 711-7	17.6	83
281	Non-alternant non-benzenoid aromatic compounds: past, present, and future. <i>Chemical Record</i> , 2015 , 15, 86-96	6.6	77
280	Tetracyclopenta[def,jkl,pqr,vwx]tetraphenylene: a potential tetraradicaloid hydrocarbon. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2090-4	16.4	77
279	Synthesis, structure, and photophysical properties of dibenzo[de,mn]naphthacenes. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7059-62	16.4	77
278	Synthesis of dehydrobenzo[18]annulene derivatives and formation of self-assembled monolayers: implications of core size on alkyl chain interdigitation. <i>Langmuir</i> , 2007 , 23, 10190-7	4	76
277	Lipase-catalyzed enantioselective acylation of alcohols: a predictive active site model for lipase YS to identify which enantiomer of an alcohol reacts faster in this acylation. <i>Tetrahedron: Asymmetry</i> , 1995 , 6, 2385-2394		75
276	Enantioselective acylation of primary and secondary alcohols catalyzed by lipase QL from <i>Alcaligenes</i> sp.: A predictive active site model for lipase QL to identify which enantiomer of an alcohol reacts faster in this acylation. <i>Tetrahedron: Asymmetry</i> , 1996 , 7, 3285-3294		75
275	[16.16.16](1,3,5)Cyclophanetetracosayne (C ₆₀ H ₆): A Precursor to C ₆₀ Fullerene. <i>Journal of the American Chemical Society</i> , 1998 , 120, 4544-4545	16.4	74
274	Indeno[2,1-b]fluorene: A 20- π Electron Hydrocarbon with Very Low-Energy Light Absorption. <i>Angewandte Chemie</i> , 2013 , 125, 6192-6195	3.6	71

- 273 Role of substrate in directing the self-assembly of multicomponent supramolecular networks at the liquid-solid interface. *ACS Nano*, **2012**, 6, 8381-9 16.7 69
- 272 A shuttling molecular machine with reversible brake function. *Chemistry - A European Journal*, **2008**, 14, 3427-33 4.8 69
- 271 One building block, two different nanoporous self-assembled monolayers: a combined STM and Monte Carlo study. *ACS Nano*, **2012**, 6, 897-903 16.7 68
- 270 Benz[c]indeno[2,1-a]fluorene: a 2,3-naphthoquinodimethane incorporated into an indenofluorene frame. *Chemical Science*, **2014**, 5, 163-168 9.4 67
- 269 Site-selective guest inclusion in molecular networks of butadiyne-bridged pyridino and benzeno square macrocycles on a surface. *Journal of the American Chemical Society*, **2008**, 130, 6666-7 16.4 64
- 268 Thermal control of sequential on-surface transformation of a hydrocarbon molecule on a copper surface. *Nature Communications*, **2016**, 7, 12711 17.4 63
- 267 Solvent-induced homochirality in surface-confined low-density nanoporous molecular networks. *Journal of the American Chemical Society*, **2012**, 134, 19568-71 16.4 63
- 266 One Building Block, Two Different Supramolecular Surface-Confined Patterns: Concentration in Control at the Solid-Liquid Interface. *Angewandte Chemie*, **2008**, 120, 3006-3010 3.6 63
- 265 Strained Dehydrobenzoannulenes. *European Journal of Organic Chemistry*, **2006**, 2006, 833-847 3.2 62
- 264 Adaptive Building Blocks Consisting of Rigid Triangular Core and Flexible Alkoxy Chains for Self-Assembly at Liquid/Solid Interfaces. *Bulletin of the Chemical Society of Japan*, **2016**, 89, 1277-1306 5.1 59
- 263 Indeno[2,1-a]fluorene: An Air-Stable ortho-Quinodimethane Derivative. *Angewandte Chemie*, **2011**, 123, 7038-7042 3.6 59
- 262 [2 + 2] Cycloreversion of [4.3.2]Propella-1,3,11-trienes: An Approach to Cyclo[n]carbons from Propellane-Annulated Dehydro[n]annulenes. *Journal of the American Chemical Society*, **2000**, 122, 1762-1773 16.4 57
- 261 Theoretical studies on graphyne substructures: geometry, aromaticity, and electronic properties of the multiply fused dehydrobenzo[12]annulenes. *Journal of Organic Chemistry*, **2007**, 72, 1437-42 4.2 56
- 260 Syntheses and properties of graphyne fragments: trigonally expanded dehydrobenzo[12]annulenes. *Chemistry - A European Journal*, **2013**, 19, 11251-60 4.8 54
- 259 Giant molecular spoked wheels in giant voids: two-dimensional molecular self-assembly goes big. *Chemical Communications*, **2008**, 3897-9 5.8 54
- 258 Synthesis and structure of 8-carboxy[6]paracyclophane. *Journal of the American Chemical Society*, **1983**, 105, 1376-1377 16.4 54
- 257 Tailoring surface-confined nanopores with photoresponsive groups. *Angewandte Chemie - International Edition*, **2013**, 52, 8373-6 16.4 53
- 256 Self-assembled air-stable supramolecular porous networks on graphene. *ACS Nano*, **2013**, 7, 10764-72 16.7 52

255	Synthesis, structure and reactivities of [6]paracyclophanes. <i>Tetrahedron</i> , 1986 , 42, 1851-1858	2.4	52
254	A tale of tails: alkyl chain directed formation of 2D porous networks reveals odd-even effects and unexpected bicomponent phase behavior. <i>ACS Nano</i> , 2013 , 7, 8031-42	16.7	51
253	Multifunctional Expanded macrocyclic oligothiophene 6-mers and related macrocyclic oligomers. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2389-96	16.4	49
252	Structural Transformation of a Two-Dimensional Molecular Network in Response to Selective Guest Inclusion. <i>Angewandte Chemie</i> , 2007 , 119, 2889-2892	3.6	49
251	Host-Guest Chemistry in Integrated Porous Space Formed by Molecular Self-Assembly at Liquid-Solid Interfaces. <i>Langmuir</i> , 2017 , 33, 4601-4618	4	47
250	Towards enantioselective adsorption in surface-confined nanoporous systems. <i>Chemical Communications</i> , 2015 , 51, 4766-9	5.8	47
249	Chiral stationary phase covalently bound with a chiral pseudo-18-crown-6 ether for enantiomer separation of amino compounds using a normal mobile phase. <i>Chirality</i> , 2005 , 17, 142-8	2.1	47
248	An anthracene-based photochromic macrocycle as a key ring component to switch a frequency of threading motion. <i>Chemistry - A European Journal</i> , 2008 , 14, 981-6	4.8	46
247	Synthesis and self-association properties of diethynylbenzene macrocycles. <i>Tetrahedron Letters</i> , 1996 , 37, 9325-9328	2	46
246	Expanded radialenes with bicyclo[4.3.1]decatriene units: new precursors to cyclo[n]carbons. <i>Chemistry - A European Journal</i> , 2003 , 9, 5549-59	4.8	45
245	Polyne cyclization to form carbon cages: [16.16.16](1,3,5)cyclophanetetracosayne derivatives C ₆₀ H ₆ and C ₆₀ Cl ₆ as precursors to C ₆₀ fullerene. <i>Tetrahedron</i> , 2001 , 57, 3629-3636	2.4	45
244	Generation of Cyclocarbons with 4n Carbon Atoms (C ₁₂ , C ₁₆ , and C ₂₀) by [2 + 2] Cycloreversion of Propellane-Annulated Dehydroannulenes. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 1800-1802		45
243	Two-Dimensional Crystal Engineering: A Four-Component Architecture at a Liquid-Solid Interface. <i>Angewandte Chemie</i> , 2009 , 121, 7489-7493	3.6	44
242	Diels-Alder Reactions of Tetraethynylcyclopentadienones. An Approach to Differentially Substituted Hexaethynylbenzenes of C _{2v} Symmetry. <i>Journal of Organic Chemistry</i> , 1997 , 62, 3430-3431	4.2	43
241	Synthesis of butadiyne-bridged [4n] metacyclophanes having exo-annular t-butyl groups. <i>Tetrahedron</i> , 2001 , 57, 8075-8083	2.4	43
240	A New Entry into Cyclo[n]carbons: [2 + 2] Cycloreversion of Propellane-Annulated Dehydroannulenes. <i>Journal of the American Chemical Society</i> , 1996 , 118, 2758-2759	16.4	43
239	Skeletal Rearrangement of Twisted Polycyclic Aromatic Hydrocarbons under Scholl Reaction Conditions. <i>Organic Letters</i> , 2017 , 19, 3227-3230	6.2	41
238	Synthesis and Anion-Selective Complexation of Homobenzyl Tripodal Thiourea Derivatives. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 607-615	3.2	41

237	Resonance Raman spectra of polyene molecules C ₁₀ H ₂ and C ₁₂ H ₂ in solution. <i>Chemical Physics Letters</i> , 2007 , 433, 296-300	2.5	41
236	Strained [n]cyclophanes 1994 , 1-40		40
235	Novel rearrangement of 5,6-disubstituted bicyclo[4.2.0]octan-2-ones with aluminum chloride. Application to total synthesis of (+)-5-oxosilphiperfol-6-ene and (+)-silphiperfol-6-ene. <i>Journal of the American Chemical Society</i> , 1989 , 111, 3707-3712	16.4	40
234	Fluoreno[2,3-b]fluorene vs Indeno[2,1-b]fluorene: Unusual Relationship between the Number of π Electrons and Excitation Energy in m-Quinodimethane-Type Singlet Diradicaloids. <i>Journal of Organic Chemistry</i> , 2017 , 82, 1380-1388	4.2	39
233	Axle length does not affect switching dynamics in degenerate molecular shuttles with rigid spacers. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7899-906	16.4	39
232	Towards two-dimensional nanoporous networks: crystal engineering at the solid-liquid interface. <i>CrystEngComm</i> , 2010 , 12, 3369	3.3	39
231	Photoelectron spectroscopy of C _n H ₂ produced from laser ablated dehydroannulene derivatives having carbon ring size of n=12, 16, 18, 20, and 24. <i>Journal of Chemical Physics</i> , 1997 , 107, 4783-4787	3.9	39
230	Periodic Functionalization of Surface-Confined Pores in a Two-Dimensional Porous Network Using a Tailored Molecular Building Block. <i>ACS Nano</i> , 2016 , 10, 2113-20	16.7	38
229	Mixing behavior of alkoxyated dehydrobenzo [12]annulenes at the solid-liquid interface: scanning tunneling microscopy and Monte Carlo simulations. <i>ACS Nano</i> , 2011 , 5, 4145-57	16.7	37
228	Highly selective and high-yielding rotaxane synthesis via aminolysis of prerotaxanes consisting of a ring component and a stopper unit. <i>Organic Letters</i> , 2007 , 9, 2969-72	6.2	37
227	Functionalized surface-confined pores: guest binding directed by lateral noncovalent interactions at the solid-liquid interface. <i>ACS Nano</i> , 2014 , 8, 8683-94	16.7	36
226	Efficient synthesis of biindenylidene derivatives via a domino-Heck-type double cyclization of diaryldienynes. <i>Organic Letters</i> , 2003 , 5, 3411-4	6.2	36
225	Convenient Synthesis and Photophysical Properties of Tetrabenzopentakisdehydro[12]annuleno[12]annulene. <i>Chemistry Letters</i> , 2004 , 33, 972-973	1.7	36
224	Lipase YS-catalysed acylation of alcohols: a predictive active site model for lipase YS to identify which enantiomer of a primary or a secondary alcohol reacts faster in this acylation. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1994 , 1253		36
223	Tetradehydrodinaphtho[10]annulene and its transformation into zethrene: A hitherto unknown dehydroannulene and a forgotten aromatic hydrocarbon. <i>Pure and Applied Chemistry</i> , 2010 , 82, 871-878 ^{2.1}		35
222	Preparation and temperature-dependent enantioselectivities of homochiral phenolic crown ethers having aryl chiral barriers: thermodynamic parameters for enantioselective complexation with chiral amines. <i>Tetrahedron: Asymmetry</i> , 1998 , 9, 563-574		35
221	Formation of Multicomponent Star Structures at the Liquid/Solid Interface. <i>Langmuir</i> , 2015 , 31, 7032-404		34
220	Novel synthesis of bridged phenylthienylethenes and dithienylethenes via Pd-catalyzed double-cyclization reactions of diarylhexadienynes. <i>Organic Letters</i> , 2006 , 8, 1197-200	6.2	34

219	Enantioselective complexation of phenolic crown ethers with chiral aminoethanol derivatives: effects of substituents of aromatic rings of hosts and guests on complexation. <i>Perkin Transactions II</i> RSC, 2000 , 1984-1993		34
218	Bent acenes. Synthesis and molecular structure of [6](1,4)naphthalenophane and [6](1,4)anthracenophane. <i>Journal of the American Chemical Society</i> , 1990 , 112, 8889-8894	16.4	34
217	On the formation of concentric 2D multicomponent assemblies at the solution-solid interface. <i>Chemical Communications</i> , 2017 , 53, 1108-1111	5.8	32
216	Multicomponent self-assembly with a shape-persistent N-heterotriangulene macrocycle on Au(111). <i>Chemistry - A European Journal</i> , 2015 , 21, 1652-9	4.8	32
215	Preparation and evaluation of a chiral stationary phase covalently bound with a chiral pseudo-18-crown-6 ether having a phenolic hydroxy group for enantiomer separation of amino compounds. <i>Journal of Chromatography A</i> , 2006 , 1129, 201-7	4.5	32
214	Enantioselective acylation of alcohols catalyzed by lipase QL from <i>Alcaligenes</i> sp.: A predictive active site model for lipase QL to identify the faster reacting enantiomer of an alcohol in this acylation. <i>Tetrahedron: Asymmetry</i> , 1996 , 7, 1581-1584		32
213	Self-Assembled Monolayers as Templates for Linearly Nanopatterned Covalent Chemical Functionalization of Graphite and Graphene Surfaces. <i>ACS Nano</i> , 2018 , 12, 11520-11528	16.7	32
212	Indenofluorene congeners: Biradicaloids and beyond. <i>Pure and Applied Chemistry</i> , 2014 , 86, 517-528	2.1	31
211	Two-photon absorption properties of Dehydrobenzo[12]annulenes and hexakis(phenylethynyl)benzenes: effect of edge-linkage. <i>ChemPhysChem</i> , 2007 , 8, 2671-7	3.2	31
210	Preparation and evaluation of a chiral stationary phase covalently bound with chiral pseudo-18-crown-6 ether having 1-phenyl-1,2-cyclohexanediol as a chiral unit. <i>Journal of Chromatography A</i> , 2005 , 1078, 35-41	4.5	31
209	Preparation and evaluation of novel chiral stationary phases covalently bound with chiral pseudo-18-crown-6 ethers. <i>Tetrahedron Letters</i> , 2003 , 44, 1549-1551	2	29
208	Unusual reactivity of bent acenes: reactions of [6](1,4)naphthalenophane and [6](1,4)anthracenophane with electrophiles. <i>Journal of the American Chemical Society</i> , 1992 , 114, 3479-3494	16.4	29
207	Quinodimethanes Incorporated in Non-Benzenoid Aromatic or Antiaromatic Frameworks. <i>Topics in Current Chemistry</i> , 2018 , 376, 12	7.2	28
206	Self-assembly of molecular tripods in two dimensions: structure and thermodynamics from computer simulations. <i>RSC Advances</i> , 2013 , 3, 25159	3.7	28
205	Preparation of phenolic chiral crown ethers and podands and their enantiomer recognition ability toward secondary amines. <i>Tetrahedron: Asymmetry</i> , 2003 , 14, 555-566		28
204	Stereocontrolled total synthesis of (–)-isocomene and (–)-isocomene via ring enlargement. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 898-899		28
203	Role of pseudopolymorphism on concentration dependent competitive adsorption at a liquid/solid interface. <i>Chemical Communications</i> , 2010 , 46, 9125-7	5.8	27
202	[12.12]Paracyclophanedodecaynes C H and C Cl : The Smallest Paracyclophynes and Their Transformation into the Carbon Cluster Ion C. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 4072-4074	16.4	27

201	Photochemical Method for Generation of Linear Polyynes: [2 + 2] Cycloreversion of [4.3.2]Propellatrienes Extruding Indan. <i>Journal of Organic Chemistry</i> , 1994 , 59, 1236-1237	4.2	27
200	Enzyme-catalyzed asymmetric acylation and hydrolysis of cis-2,5-disubstituted tetrahydrofuran derivatives: Contribution to development of models for reactions catalyzed by porcine liver esterase and porcine pancreatic lipase. <i>Tetrahedron: Asymmetry</i> , 1993 , 4, 911-918		27
199	[4.2](2,2)(2,2)Biphenylophanetriyne: a twisted biphenylophane with a highly distorted diacetylene bridge. <i>Organic Letters</i> , 2014 , 16, 1940-3	6.2	26
198	Tetracyclopenta[def,jkl,pqr,vwx]tetraphenylene: A Potential Tetraradicaloid Hydrocarbon. <i>Angewandte Chemie</i> , 2015 , 127, 2118-2122	3.6	26
197	Self-assembled monolayers of alkoxy-substituted octadehydrodibenzo[12]annulenes on a graphite surface: attempts at peri-benzopolyacene formation by on-surface polymerization. <i>Chemistry - A European Journal</i> , 2010 , 16, 8319-28	4.8	26
196	Chiral recognition of secondary amines by using chiral crown ether and podand. <i>Tetrahedron Letters</i> , 2002 , 43, 8539-8542	2	26
195	Generation and characterization of highly strained dibenzotetrakisdehydro[12]annulene. <i>Journal of the American Chemical Society</i> , 2003 , 125, 5614-5	16.4	26
194	Molecular pentagonal tiling: self-assemblies of pentagonal-shaped macrocycles at liquid/solid interfaces. <i>CrystEngComm</i> , 2011 , 13, 5551	3.3	25
193	Synthese und Assoziationsverhalten von [4.4.4.4.4]Metacyclophandodecain-Derivaten mit Bindungsstellen innerhalb des Makrocyclus. <i>Angewandte Chemie</i> , 1998 , 110, 1347-1349	3.6	25
192	Depression of the apparent chiral recognition ability obtained in the host-guest complexation systems by electrospray and nano-electrospray ionization mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2004 , 10, 27-37	1.1	25
191	Synthesis and molecular structure of (Z)-[6]Paracycloph-3-enes. <i>Journal of the American Chemical Society</i> , 1987 , 109, 1136-1144	16.4	25
190	Synthesis, conformation, and structure of 8,11-bis(methoxycarbonyl)[6]paracyclophane. <i>Journal of Organic Chemistry</i> , 1987 , 52, 2639-2644	4.2	25
189	Highly effective and reversible control of the rocking rates of rotaxanes by changes to the size of stimulus-responsive ring components. <i>Chemistry - A European Journal</i> , 2008 , 14, 5803-11	4.8	24
188	Chiral recognition in NMR spectroscopy using crown ethers and their ytterbium(III) complexes. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 1536-47	4.4	24
187	Chiral recognition in molecular complexation for the crown ether-β-amino ester system. A facile FAB mass spectrometric approach. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 2497-2498		24
186	Chelation-controlled regioselective epoxide-β-carbonyl rearrangement: a ring enlargement route to (–)-modhephene. <i>Journal of the Chemical Society Chemical Communications</i> , 1984 , 1259-1260		24
185	Synthesis, Structure, and Photophysical Properties of Dibenzo[de,mn]naphthacenes. <i>Angewandte Chemie</i> , 2010 , 122, 7213-7216	3.6	23
184	Improvement of enantioselectivity in kinetic resolution of a primary alcohol through lipase-catalyzed transesterification by using a chiral acyl donor. <i>Tetrahedron: Asymmetry</i> , 2000 , 11, 1199-1210		23

183	Novel Self-Assembly of m-Xylylene Type Dithioureas by Head-to-Tail Hydrogen Bonding. <i>Journal of Organic Chemistry</i> , 1998 , 63, 7481-7489	4.2	23
182	Diindenopyrenes: Extended 1,6- and 1,8-Pyrenoquinodimethanes with Singlet Diradical Characters. <i>Journal of Organic Chemistry</i> , 2016 , 81, 3735-43	4.2	23
181	Preparation of homochiral phenolic crown ethers containing para-substituted phenol moiety and chiral subunits derived from (S)-1-phenylethane-1,2-diol: their chiral recognition behaviour in complexation with neutral amines. <i>Tetrahedron: Asymmetry</i> , 1997 , 8, 873-882		22
180	Preparation of homochiral phenolic crown ether having chiral subunits derived from (1R,2S)-cis-1,2,3,4-tetrahydronaphthalene-1,2-diol: temperature-dependent enantioselectivity in complexations with neutral amines. <i>Tetrahedron: Asymmetry</i> , 1997 , 8, 2585-2595		22
179	Facile intramolecular cyclization in oxidative coupling of acetylenes linked to 1,3-positions of benzene: strained [12]metacyclophanedienetetrayne system. <i>Journal of Organic Chemistry</i> , 2003 , 68, 3330-2	4.2	22
178	Vinylidene to alkyne rearrangement to form polyynes: synthesis and photolysis of dialkynylmethylenebicyclo[4.3.1]deca-1,3,5-triene derivatives. <i>Tetrahedron Letters</i> , 2001 , 42, 5485-5488 ²		22
177	A clue to elusive macrocycles: unusually facile, spontaneous polymerization of a hexagonal diethynylbenzene macrocycle. <i>Journal of Organic Chemistry</i> , 2006 , 71, 401-4	4.2	21
176	Temperature Dependence of Enantioselectivity in Complexations of Optically Active Phenolic Crown Ethers with Chiral Amines in Solution.. <i>Analytical Sciences</i> , 1998 , 14, 175-182	1.7	21
175	Azophenolic acerands having chiral 1-phenyl-cis-1,2-cyclohexanediol units: a correlation between enantiorecognitive coloration and host-guest complementarity. <i>Journal of the American Chemical Society</i> , 1993 , 115, 8475-8476	16.4	21
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