Yoshito Tobe

List of Publications by Year
in descending order

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301	11,614	28242	42364
papers	citations	55 h-index	92 g-index

343	343	343	6895
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyethynylated cyclic Ï€-systems: scaffoldings for novel two and three-dimensional carbon networks. Chemical Society Reviews, 1999, 28, 107-119.	18.7	394
2	Two-Dimensional Porous Molecular Networks of Dehydrobenzo[12]annulene Derivatives via Alkyl Chain Interdigitation. Journal of the American Chemical Society, 2006, 128, 16613-16625.	6.6	343
3	Molecular Loops and Belts. Chemical Reviews, 2006, 106, 5274-5290.	23.0	339
4	Covalent Modification of Graphene and Graphite Using Diazonium Chemistry: Tunable Grafting and Nanomanipulation. ACS Nano, 2015, 9, 5520-5535.	7.3	274
5	One Building Block, Two Different Supramolecular Surfaceâ€Confined Patterns: Concentration in Control at the Solidâ€“Liquid Interface. Angewandte Chemie - International Edition, 2008, 47, 2964-2968.	7.2	273
6	Indeno[2,1â€b]fluorene: A 20â€Ï€â€Electron Hydrocarbon with Very Lowâ€Energy Light Absorption. Angewandte Chemie - International Edition, 2013, 52, 6076-6079.	7.2	228
7	m-Diethynylbenzene Macrocycles:Â Syntheses and Self-Association Behavior in Solution. Journal of the American Chemical Society, 2002, 124, 5350-5364.	6.6	225
8	Indeno[2,1â€a]fluorene: An Airâ€Stable orthoâ€Quinodimethane Derivative. Angewandte Chemie - International Edition, 2011, 50, 6906-6910.	7.2	221
9	Structural Transformation of a Two-Dimensional Molecular Network in Response to Selective Guest Inclusion. Angewandte Chemie - International Edition, 2007, 46, 2831-2834.	7.2	182
10	Temperature-Induced Structural Phase Transitions in a Two-Dimensional Self-Assembled Network. Journal of the American Chemical Society, 2013, 135, 12068-12075.	6.6	180
11	Control and induction of surface-confined homochiral porous molecular networks. Nature Chemistry, 2011, 3, 714-719.	6.6	179
12	Supramolecular surface-confined architectures created by self-assembly of triangular phenyleneâ€“ethynylene macrocycles via van der Waals interaction. Chemical Communications, 2010, 46, 8507.	2.2	170
13	Programmable Hierarchical Three-Component 2D Assembly at a Liquidâ”Solid Interface: Recognition, Selection, and Transformation. Nano Letters, 2008, 8, 2541-2546.	4.5	155
14	Twoâ€Dimensional Crystal Engineering: A Fourâ€Component Architecture at a Liquidâ€“Solid Interface. Angewandte Chemie - International Edition, 2009, 48, 7353-7357.	7.2	154
15	Molecular Clusters in Two-Dimensional Surface-Confined Nanoporous Molecular Networks: Structure, Rigidity, and Dynamics. Journal of the American Chemical Society, 2008, 130, 7119-7129.	6.6	149
16	Molecular Geometry Directed KagomÃ© and Honeycomb Networks:Â Toward Two-Dimensional Crystal Engineering. Journal of the American Chemical Society, 2006, 128, 3502-3503.	6.6	143
17	2D Networks of Rhombic-Shaped Fused Dehydrobenzo[12]annulenes: Structural Variations under Concentration Control. Journal of the American Chemical Society, 2009, 131, 17583-17590.	6.6	124
18	Synthesis and Anion-Selective Complexation of Cyclophane-Based Cyclic Thioureas. Journal of Organic Chemistry, 2000, 65, 275-283.	1.7	121

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19	Synthesis of Differentially Substituted Hexaethynylbenzenes Based on Tandem Sonogashira and Negishi Cross-Coupling Reactions. Organic Letters, 2001, 3, 2419-2421.	2.4	119
20	Synthesis and Properties of Trefoil-Shaped Tris(hexadehydrotribenzo[12]annulene) and Tris(tetradehydrotribenzo[12]annulene). Organic Letters, 2006, 8, 2933-2936.	2.4	110
21	Nonâ€Alternant Nonâ€Benzenoid <scp>A</scp>romatic <scp>C</scp>ompounds: Past, Present, and Future. Chemical Record, 2015, 15, 86-96.	2.9	110
22	Dynamic control over supramolecular handedness by selecting chiral induction pathways at the solutionâ€“solid interface. Nature Chemistry, 2016, 8, 711-717.	6.6	107
23	Synthesis and Association Behavior of [4.4.4.4.4.4]Metacyclophanedodecayne Derivatives with Interior Binding Groups. Angewandte Chemie - International Edition, 1998, 37, 1285-1287.	7.2	106
24	Non-alternant non-benzenoid kekulenes: the birth of a new kekulene family. Chemical Society Reviews, 2015, 44, 6560-6577.	18.7	106
25	[5]Paracyclophane. Journal of the American Chemical Society, 1985, 107, 3716-3717.	6.6	99
26	Synthesis and Association Behavior of Butadiyne-Bridged [44](2,6)Pyridinophane and [46](2,6)Pyridinophane Derivatives. Organic Letters, 2000, 2, 3265-3268.	2.4	94
27	Donors and Acceptors Based on Triangular Dehydrobenzo[12]annulenes: Formation of a Triple-Layered Rosette Structure by a Charge-Transfer Complex. Journal of the American Chemical Society, 2008, 130, 14339-14345.	6.6	91
28	Tetradehydrodinaphtho[10]annulene: A Hitherto Unknown Dehydroannulene and a Viable Precursor to Stable Zethrene Derivatives. Organic Letters, 2009, 11, 4104-4106.	2.4	89
29	[16.16.16](1,3,5)Cyclophanetetracosayne (C60H6):Â A Precursor to C60Fullerene. Journal of the American Chemical Society, 1998, 120, 4544-4545.	6.6	88
30	Tetracyclopenta[def,jkl,pqr,vwx]tetraphenylene: A Potential Tetraradicaloid Hydrocarbon. Angewandte Chemie - International Edition, 2015, 54, 2090-2094.	7.2	87
31	Synthesis, Structure, and Photophysical Properties of Dibenzo[de,mn]naphthacenes. Angewandte Chemie - International Edition, 2010, 49, 7059-7062.	7.2	85
32	Synthesis of Dehydrobenzo[18]annulene Derivatives and Formation of Self-Assembled Monolayers:â€‰ Implications of Core Size on Alkyl Chain Interdigitation. Langmuir, 2007, 23, 10190-10197.	1.6	81
33	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. Tetrahedron: Asymmetry, 1995, 6, 2385-2394.	1.8	80
34	Enantioselective acylation of primary and secondary alcohols catalyzed by lipase QL from Alcaligenes sp.: A predictive active site model for lipase QL to identify which enantiomer of an alcohol reacts faster in this acylation. Tetrahedron: Asymmetry, 1996, 7, 3285-3294.	1.8	80
35	A Shuttling Molecular Machine with Reversible Brake Function. Chemistry - A European Journal, 2008, 14, 3427-3433.	1.7	75
36	Benz[c]indeno[2,1-a]fluorene: a 2,3-naphthoquinodimethane incorporated into an indenofluorene frame. Chemical Science, 2014, 5, 163-168.	3.7	75

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37	Role of Substrate in Directing the Self-Assembly of Multicomponent Supramolecular Networks at the Liquidâ€“Solid Interface. ACS Nano, 2012, 6, 8381-8389.	7.3	74
38	Thermal control of sequential on-surface transformation of a hydrocarbon molecule on a copper surface. Nature Communications, 2016, 7, 12711.	5.8	71
39	Solvent-Induced Homochirality in Surface-Confined Low-Density Nanoporous Molecular Networks. Journal of the American Chemical Society, 2012, 134, 19568-19571.	6.6	69
40	One Building Block, Two Different Nanoporous Self-Assembled Monolayers: A Combined STM and Monte Carlo Study. ACS Nano, 2012, 6, 897-903.	7.3	69
41	[2 + 2] Cycloreversion of [4.3.2]Propella-1,3,11-trienes:Â An Approach to Cyclo[n]carbons from Propellane-Annelated Dehydro[n]annulenes. Journal of the American Chemical Society, 2000, 122, 1762-1775.	6.6	67
42	Strained Dehydrobenzoannulenes. European Journal of Organic Chemistry, 2006, 2006, 833-847.	1.2	66
43	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, 6666-6667.	6.6	66
44	Syntheses and Properties of Graphyne Fragments: Trigonally Expanded Dehydrobenzo[12]annulenes. Chemistry - A European Journal, 2013, 19, 11251-11260.	1.7	66
45	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.	2.0	65
46	Theoretical Studies on Graphyne Substructures:Â Geometry, Aromaticity, and Electronic Properties of the Multiply Fused Dehydrobenzo[12]annulenes. Journal of Organic Chemistry, 2007, 72, 1437-1442.	1.7	62
47	Synthesis and structure of 8-carboxy[6]paracyclophane. Journal of the American Chemical Society, 1983, 105, 1376-1377.	6.6	60
48	Hostâ€“Guest Chemistry in Integrated Porous Space Formed by Molecular Self-Assembly at Liquidâ€“Solid Interfaces. Langmuir, 2017, 33, 4601-4618.	1.6	60
49	Synthesis, structure and reactivities of [6]paracyclophanes. Tetrahedron, 1986, 42, 1851-1858.	1.0	59
50	A Tale of Tails: Alkyl Chain Directed Formation of 2D Porous Networks Reveals Oddâ€“Even Effects and Unexpected Bicomponent Phase Behavior. ACS Nano, 2013, 7, 8031-8042.	7.3	58
51	Generation of Cyclocarbons with 4n Carbon Atoms(C12, C16, and C20) by[2+ 2] Cycloreversion of Propellane-Annelated Dehydroannulenes. Angewandte Chemie International Edition in English, 1996, 35, 1800-1802.	4.4	57
52	Tailoring Surfaceâ€Confined Nanopores with Photoresponsive Groups. Angewandte Chemie - International Edition, 2013, 52, 8373-8376.	7.2	57
53	A New Entry into Cyclo[n]carbons:Â [2 + 2] Cycloreversion of Propellane-Annelated Dehydroannulenes. Journal of the American Chemical Society, 1996, 118, 2758-2759.	6.6	56
54	Multifunctional Ï€-Expanded Macrocyclic Oligothiophene 6-Mers and Related Macrocyclic Oligomers. Journal of the American Chemical Society, 2014, 136, 2389-2396.	6.6	56

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55	Quinodimethanes Incorporated in Non-Benzenoid Aromatic or Antiaromatic Frameworks. Topics in Current Chemistry, 2018, 376, 12.	3.0	56
56	Synthesis and self-association properties of diethynylbenzene macrocycles. Tetrahedron Letters, 1996, 37, 9325-9328.	0.7	55
57	Giant molecular spoked wheels in giant voids: two-dimensional molecular self-assembly goes big. Chemical Communications, 2008, , 3897.	2.2	55
58	Self-Assembled Air-Stable Supramolecular Porous Networks on Graphene. ACS Nano, 2013, 7, 10764-10772.	7.3	55
59	Skeletal Rearrangement of Twisted Polycyclic Aromatic Hydrocarbons under Scholl Reaction Conditions. Organic Letters, 2017, 19, 3227-3230.	2.4	54
60	Polyyne cyclization to form carbon cages: [16.16.16](1,3,5)cyclophanetetracosayne derivatives C60H6 and C60Cl6 as precursors to C60 fullerene. Tetrahedron, 2001, 57, 3629-3636.	1.0	53
61	An Anthraceneâ€Based Photochromic Macrocycle as a Key Ring Component To Switch a Frequency of Threading Motion. Chemistry - A European Journal, 2008, 14, 981-986.	1.7	53
62	Towards enantioselective adsorption in surface-confined nanoporous systems. Chemical Communications, 2015, 51, 4766-4769.	2.2	53
63	Fluoreno[2,3-b]fluorene vs Indeno[2,1-b]fluorene: Unusual Relationship between the Number of Ï€ Electrons and Excitation Energy in m-Quinodimethane-Type Singlet Diradicaloids. Journal of Organic Chemistry, 2017, 82, 1380-1388.	1.7	52
64	Synthesis of butadiyne-bridged [4n] metacyclophanes having exo-annular t-butyl groups. Tetrahedron, 2001, 57, 8075-8083.	1.0	51
65	Chiral stationary phase covalently bound with a chiral pseudo-18-crown-6 ether for enantiomer separation of amino compounds using a normal mobile phase. Chirality, 2005, 17, 142-148.	1.3	49
66	Axle Length Does Not Affect Switching Dynamics in Degenerate Molecular Shuttles with Rigid Spacers. Journal of the American Chemical Society, 2014, 136, 7899-7906.	6.6	49
67	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. Journal of the American Chemical Society, 1989, 111, 3707-3712.	6.6	48
68	Dielsâ^'Alder Reactions of Tetraethynylcyclopentadienones. An Approach to Differentially Substituted Hexaethynylbenzenes ofC2vSymmetry. Journal of Organic Chemistry, 1997, 62, 3430-3431.	1.7	48
69	Resonance Raman spectra of polyyne molecules C10H2 and C12H2 in solution. Chemical Physics Letters, 2007, 433, 296-300.	1.2	48
70	Expanded Radialenes with Bicyclo[4.3.1]decatriene Units: New Precursors to Cyclo[n]carbons. Chemistry - A European Journal, 2003, 9, 5549-5559.	1.7	47
71	Bent acenes. Synthesis and molecular structure of [6](1,4)naphthalenophane and [6](1,4)anthracenophane. Journal of the American Chemical Society, 1990, 112, 8889-8894.	6.6	46
72	Self-Assembled Monolayers as Templates for Linearly Nanopatterned Covalent Chemical Functionalization of Graphite and Graphene Surfaces. ACS Nano, 2018, 12, 11520-11528.	7.3	44

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73	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. Journal of the Chemical Society Perkin Transactions 1, 1994, , 1253.	0.9	43
74	Photoelectron spectroscopy of Cnâ¯ produced from laser ablated dehydroannulene derivatives having carbon ring size of n=12, 16, 18, 20, and 24. Journal of Chemical Physics, 1997, 107, 4783-4787.	1.2	43
75	Strained [n]cyclophanes. , 1994, , 1-40.		42
76	Efficient Synthesis of Biindenylidene Derivatives via a Domino-Heck-Type Double Cyclization of Diaryldienynes. Organic Letters, 2003, 5, 3411-3414.	2.4	42
77	Synthesis and Anion-Selective Complexation of Homobenzylic Tripodal Thiourea Derivatives. European Journal of Organic Chemistry, 2007, 2007, 607-615.	1.2	42
78	Towards two-dimensional nanoporous networks: crystal engineering at the solidâ€“liquid interface. CrystEngComm, 2010, 12, 3369.	1.3	41
79	Preparation and temperature-dependent enantioselectivities of homochiral phenolic crown ethers having aryl chiral barriers: thermodynamic parameters for enantioselective complexation with chiral amines. Tetrahedron: Asymmetry, 1998, 9, 563-574.	1.8	40
80	Indenofluorene congeners: Biradicaloids and beyond. Pure and Applied Chemistry, 2014, 86, 517-528.	0.9	40
81	Periodic Functionalization of Surface-Confined Pores in a Two-Dimensional Porous Network Using a Tailored Molecular Building Block. ACS Nano, 2016, 10, 2113-2120.	7.3	40
82	On the formation of concentric 2D multicomponent assemblies at the solutionâ€“solid interface. Chemical Communications, 2017, 53, 1108-1111.	2.2	40
83	Enantioselective acylation of alcohols catalyzed by lipase QL from Alcaligenes sp.: A predictive active site model for lipase QL to identify the faster reacting enantiomer of an alcohol in this acylation. Tetrahedron: Asymmetry, 1996, 7, 1581-1584.	1.8	39
84	Highly Selective and High-Yielding Rotaxane Synthesis via Aminolysis of Prerotaxanes Consisting of a Ring Component and a Stopper Unit. Organic Letters, 2007, 9, 2969-2972.	2.4	39
85	Convenient Synthesis and Photophysical Properties of Tetrabenzopentakisdehydro[12]annuleno[12]annulene. Chemistry Letters, 2004, 33, 972-973.	0.7	38
86	Formation of Multicomponent Star Structures at the Liquid/Solid Interface. Langmuir, 2015, 31, 7032-7040.	1.6	38
87	Novel Synthesis of Bridged Phenylthienylethenes and Dithienylethenes via Pd-Catalyzed Double-Cyclization Reactions of Diarylhexadienynes. Organic Letters, 2006, 8, 1197-1200.	2.4	37
88	Tetradehydrodinaphtho[10]annulene and its transformation into zethrene: A hitherto unknown dehydroannulene and a forgotten aromatic hydrocarbon. Pure and Applied Chemistry, 2010, 82, 871-878.	0.9	37
89	Mixing Behavior of Alkoxylated Dehydrobenzo[12]annulenes at the Solidâ€“Liquid Interface: Scanning Tunneling Microscopy and Monte Carlo Simulations. ACS Nano, 2011, 5, 4145-4157.	7.3	37
90	Functionalized Surface-Confined Pores: Guest Binding Directed by Lateral Noncovalent Interactions at the Solidâ€“Liquid Interface. ACS Nano, 2014, 8, 8683-8694.	7.3	37

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91	Enantioselective complexation of phenolic crown ethers with chiral aminoethanol derivatives: effects of substituents of aromatic rings of hosts and guests on complexationâ€Šâ€. Perkin Transactions II RSC, 2000, , 1984-1993.	1.1	36
92	Synthesis and molecular structure of (Z)-[6]Paracycloph-3-enes. Journal of the American Chemical Society, 1987, 109, 1136-1144.	6.6	35
93	Diindenopyrenes: Extended 1,6- and 1,8-Pyrenoquinodimethanes with Singlet Diradical Characters. Journal of Organic Chemistry, 2016, 81, 3735-3743.	1.7	35
94	Stereocontrolled total synthesis of (Â±)-isocomene and (Â±)-Î²-isocomene via ring enlargement. Journal of the Chemical Society Chemical Communications, 1985, , 898-899.	2.0	33
95	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. Tetrahedron: Asymmetry, 1993, 4, 911-918.	1.8	33
96	Azophenolic acerands having chiral 1-phenyl-cis-1,2-cyclohexanediol units: a correlation between enantiorecognitive coloration and host-guest complementarity. Journal of the American Chemical Society, 1993, 115, 8475-8476.	6.6	33
97	[12.12]Paracyclophanedodecaynes C36H8 and C36Cl8: The Smallest Paracyclophynes and Their Transformation into the Carbon Cluster Ion C36â˙ This work was supported in part by Grants-in-Aid for Scientific Research from the Ministry of Education,Science,Sports and Culture of Japan. Y.T. is grateful to Shin-Etsu Chemical Co. for the generous gift of an organosilicon reagent.. Angewandte Chemie - International Edition, 2001, 40, 4072.	7.2	33
98	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. Journal of Chromatography A, 2005, 1078, 35-41.	1.8	33
99	Twoâ€Photon Absorption Properties of Dehydrobenzo[12]annulenes and Hexakis(phenylethynyl)benzenes: Effect of Edgeâ€Linkage. ChemPhysChem, 2007, 8, 2671-2677.	1.0	33
100	Multicomponent Selfâ€Assembly with a Shapeâ€Persistent Nâ€Heterotriangulene Macrocycle on Au(111). Chemistry - A European Journal, 2015, 21, 1652-1659.	1.7	33
101	Unusual reactivity of bent acenes: reactions of [6](1,4)naphthalenophane and [6](1,4)anthracenophane with electrophiles. Journal of the American Chemical Society, 1992, 114, 3479-3491.	6.6	32
102	Photochemical Method for Generation of Linear Polyynes: [2 + 2] Cycloreversion of [4.3.2]Propellatrienes Extruding Indan. Journal of Organic Chemistry, 1994, 59, 1236-1237.	1.7	32
103	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. Journal of Chromatography A, 2006, 1129, 201-207.	1.8	32
104	Preparation and evaluation of novel chiral stationary phases covalently bound with chiral pseudo-18-crown-6 ethers. Tetrahedron Letters, 2003, 44, 1549-1551.	0.7	31
105	The Asymmetry is Derived from Mechanical Interlocking of Achiral Axle and Achiral Ring Components â€“Syntheses and Properties of Optically Pure [2]Rotaxanesâ€“. Symmetry, 2018, 10, 20.	1.1	31
106	Steric and Electronic Effects of Electrochemically Generated Aryl Radicals on Grafting of the Graphite Surface. Langmuir, 2019, 35, 2089-2098.	1.6	30
107	Generation and Characterization of Highly Strained Dibenzotetrakisdehydro[12]annulene. Journal of the American Chemical Society, 2003, 125, 5614-5615.	6.6	29
108	Self-assembly of molecular tripods in two dimensions: structure and thermodynamics from computer simulations. RSC Advances, 2013, 3, 25159.	1.7	29

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109	[4.2](2,2â€²)(2,2â€²)Biphenylophanetriyne: A Twisted Biphenylophane with a Highly Distorted Diacetylene Bridge. Organic Letters, 2014, 16, 1940-1943.	2.4	29
110	Vinylidene to alkyne rearrangement to form polyynes: synthesis and photolysis of dialkynylmethylenebicyclo[4.3.1]deca-1,3,5-triene derivatives. Tetrahedron Letters, 2001, 42, 5485-5488.	0.7	28
111	Preparation of phenolic chiral crown ethers and podands and their enantiomer recognition ability toward secondary amines. Tetrahedron: Asymmetry, 2003, 14, 555-566.	1.8	28
112	Highly Effective and Reversible Control of the Rocking Rates of Rotaxanes by Changes to the Size of Stimulusâ€Responsive Ring Components. Chemistry - A European Journal, 2008, 14, 5803-5811.	1.7	28
113	Molecular pentagonal tiling: self-assemblies of pentagonal-shaped macrocycles at liquid/solid interfaces. CrystEngComm, 2011, 13, 5551.	1.3	28
114	Chelation-controlled regioselective epoxideâ€“carbonyl rearrangement: a ring enlargement route to (Â±)-modhephene. Journal of the Chemical Society Chemical Communications, 1984, .	2.0	27
115	Synthesis, conformation, and structure of 8,11-bis(methoxycarbonyl)[6]paracyclophane. Journal of Organic Chemistry, 1987, 52, 2639-2644.	1.7	27
116	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. Tetrahedron: Asymmetry, 1997, 8, 2585-2595.	1.8	27
117	Novel Self-Assembly ofm-Xylylene Type Dithioureas by Head-to-Tail Hydrogen Bonding. Journal of Organic Chemistry, 1998, 63, 7481-7489.	1.7	27
118	Chiral recognition of secondary amines by using chiral crown ether and podand. Tetrahedron Letters, 2002, 43, 8539-8542.	0.7	27
119	Role of pseudopolymorphism on concentration dependent competitive adsorption at a liquid/solid interface. Chemical Communications, 2010, 46, 9125.	2.2	27
120	Improvement of enantioselectivity in kinetic resolution of a primary alcohol through lipase-catalyzed transesterification by using a chiral acyl donor. Tetrahedron: Asymmetry, 2000, 11, 1199-1210.	1.8	26
121	Selfâ€Assembled Monolayers of Alkoxyâ€Substituted Octadehydrodibenzo[12]annulenes on a Graphite Surface: Attempts at periâ€Benzopolyacene Formation by Onâ€Surface Polymerization. Chemistry - A European Journal, 2010, 16, 8319-8328.	1.7	26
122	Porous Self-Assembled Molecular Networks as Templates for Chiral-Position-Controlled Chemical Functionalization of Graphitic Surfaces. Journal of the American Chemical Society, 2020, 142, 7699-7708.	6.6	26
123	A new strategy for construction of angularly fused tricyclic ring systems. Transannular bond formation of bicyclic enones via photochemical intramolecular hydrogen abstraction. Tetrahedron Letters, 1984, 25, 3895-3896.	0.7	25
124	Total Synthesis of (.+-.)-Tetramethylmediterraneol B. Journal of Organic Chemistry, 1995, 60, 3318-3333.	1.7	25
125	Chiral recognition in NMR spectroscopy using crown ethers and their ytterbium(III) complexes. Analytical and Bioanalytical Chemistry, 2004, 378, 1536-1547.	1.9	25
126	Depression of the Apparent Chiral Recognition Ability Obtained in the Hostâ€“Guest Complexation Systems by Electrospray and Nano-Electrospray Ionization Mass Spectrometry. European Journal of Mass Spectrometry, 2004, 10, 27-37.	0.5	25

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127	Chiral recognition in molecular complexation for the crown etherâ€“amino ester system. A facile FAB mass spectrometric approach. Journal of the Chemical Society Chemical Communications, 1994, , 2497-2498.	2.0	24
128	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. Tetrahedron: Asymmetry, 1997, 8, 873-882.	1.8	24
129	Facile Intramolecular Cyclization in Oxidative Coupling of Acetylenes Linked to 1,3-Positions of Benzene:Â Strained [12]Metacyclophanedienetetrayne System. Journal of Organic Chemistry, 2003, 68, 3330-3332.	1.7	24
130	NMR studies of bond order in distorted aromatic systems. Journal of the American Chemical Society, 1990, 112, 7537-7540.	6.6	23
131	A Clue to Elusive Macrocycles:Â Unusually Facile, Spontaneous Polymerization of a Hexagonal Diethynylbenzene Macrocycle. Journal of Organic Chemistry, 2006, 71, 401-404.	1.7	22
132	Electrophilic Transannular Cyclization of Octadehydrodibenzo[12]annulene Reexamined: Indication of the Formation of Both anti- and syn-Indenofluorenes. Journal of Organic Chemistry, 2011, 76, 9116-9121.	1.7	22
133	Efficient screening of 2D molecular polymorphs at the solutionâ€“solid interface. Nanoscale, 2015, 7, 5344-5349.	2.8	22
134	Complexation between novel cyclophane host and polar guest by hydrogen bonding. Tetrahedron Letters, 1987, 28, 3825-3826.	0.7	21
135	Temperature Dependence of Enantioselectivity in Complexations of Optically Active Phenolic Crown Ethers with Chiral Amines in Solution.. Analytical Sciences, 1998, 14, 175-182.	0.8	21
136	Generation and Characterization of Highly Strained Dibenzotetrakisdehydro[12]- and Dibenzopentakisdehydro[14]annulenes. Journal of Organic Chemistry, 2005, 70, 1853-1864.	1.7	21
137	Syntheses and Photophysical Properties of Boomerang-shaped Bis(dehydrobenzo[12]annulene) and Trapezoid-shaped Tris(dehydrobenzo[12]annulene). Chemistry Letters, 2007, 36, 838-839.	0.7	21
138	Hexagonal Molecular Tiling by Hexagonal Macrocycles at the Liquid/Solid Interface: Structural Effects on Packing Geometry. Langmuir, 2017, 33, 12453-12462.	1.6	21
139	A novel synthesis of (Â±)-descarboxyquadrone. Tetrahedron Letters, 1984, 25, 557-560.	0.7	20
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