

Wen-Sheng Chung

List of Publications by Year in descending order

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docs citations

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times ranked

2188
citing authors

#	ARTICLE	IF	CITATIONS
1	Triazole-Modified Calix[4]crown as a Novel Fluorescent On/Off Switchable Chemosensor. <i>Organic Letters</i> , 2007, 9, 3363-3366.	2.4	210
2	Triazole- and azo-coupled calix[4]arene as a highly sensitive chromogenic sensor for Ca ²⁺ and Pb ²⁺ ions. <i>Tetrahedron Letters</i> , 2007, 48, 7274-7278.	0.7	117
3	Cooperative Recognition of a Copper Cation and Anion by a Calix[4]arene Substituted at the Lower Rim by a β -Amino- α,β -Unsaturated Ketone. <i>Chemistry - A European Journal</i> , 2009, 15, 6152-6160.	1.7	110
4	Upper Rim Allyl- and Arylazo-Coupled Calix[4]arenes as Highly Sensitive Chromogenic Sensors for Hg ²⁺ Ion. <i>Journal of Organic Chemistry</i> , 2005, 70, 2912-2920.	1.7	108
5	Cycloadditions of 16-Electron 1,3-Dipoles with Ethylene. A Density Functional and CCSD(T) Study. <i>Journal of Organic Chemistry</i> , 1999, 64, 6710-6716.	1.7	76
6	Highly selective fluorescent sensing of Cu ²⁺ ion by an arylisoxazole modified calix[4]arene. <i>Tetrahedron Letters</i> , 2008, 49, 5013-5016.	0.7	68
7	Highly Selective Fluorescent Sensors for Hg ²⁺ and Ag ⁺ Based on Bis-triazole-Coupled Polyoxyethylenes in MeOH Solution. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 6360-6366.	1.2	68
8	Face Selection in Addition and Elimination in Sterically Unbiased Systems. <i>Chemical Reviews</i> , 1999, 99, 1387-1414.	23.0	67
9	Synthesis of Upper-Rim Allyl- and p-Methoxyphenylazocalix[4]arenes and Their Efficiencies in Chromogenic Sensing of Hg ²⁺ Ion. <i>Journal of Organic Chemistry</i> , 2007, 72, 2434-2442.	1.7	66
10	A Bifunctional Chromogenic Calix[4]arene Chemosensor for Both Cations and Anions: A Potential Ca ²⁺ and F ⁻ Switched INHIBIT Logic Gate with a YES Logic Function. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 4700-4704.	1.2	62
11	The Syntheses of Pyrazino-Containing Sultines and Their Application in Diels-Alder Reactions with Electron-Poor Olefins and [60]Fullerene. <i>Journal of Organic Chemistry</i> , 2000, 65, 3395-3403.	1.7	61
12	Biscalix[4]arene Derivative As a Very Efficient Phase Selective Gelator for Oil Spill Recovery. <i>Organic Letters</i> , 2013, 15, 5830-5833.	2.4	61
13	Dual-mode recognition of transition metal ions by bis-triazoles chained pyrenes. <i>Tetrahedron Letters</i> , 2009, 50, 302-305.	0.7	59
14	Modification of face selectivity by inclusion in cyclodextrins. <i>Journal of the American Chemical Society</i> , 1990, 112, 1202-1205.	6.6	51
15	1,3-Alternate Calix[4]arene as a Homobinuclear Ditopic Fluorescent Chemosensor for Ag ⁺ ions. <i>Chemistry - an Asian Journal</i> , 2011, 6, 2738-2746.	1.7	51
16	Hyperconjugation as a factor in face selectivity during cycloaddition. <i>Journal of the American Chemical Society</i> , 1988, 110, 7882-7883.	6.6	50
17	A highly selective fluorescent chemosensor for Ag ⁺ based on calix[4]arene with lower-rim proximal triazolylpyrenes. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 984-993.	4.0	44
18	Synthesis of Calix[4]arenes with Four Different α -Lower Rim-Substituents. <i>Journal of Organic Chemistry</i> , 1999, 64, 2673-2679.	1.7	40

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19	Tuning the Singlet-Triplet Energy Gap in a Non-Kekulé Series by Designed Structural Variation. The Singlet States of N-Substituted-3,4-dimethylenepyrrole Biradicals. <i>Journal of the American Chemical Society</i> , 1997, 119, 1406-1415.	6.6	34
20	Excimer Emission Properties on Pyrene-Labeled Protein Surface: Correlation between Emission Spectra, Ring Stacking Modes, and Flexibilities of Pyrene Probes. <i>Bioconjugate Chemistry</i> , 2015, 26, 537-548.	1.8	34
21	Anthryl-1,2,4-oxadiazole-Substituted Calix[4]arenes as Highly Selective Fluorescent Chemodosimeters for Fe ³⁺ . <i>Chemistry - an Asian Journal</i> , 2015, 10, 1025-1034.	1.7	34
22	Tetrazoles and <i>para</i> -Substituted Phenylazo-Coupled Calix[4]arenes as Highly Sensitive Chromogenic Sensors for Ca ²⁺ . <i>European Journal of Organic Chemistry</i> , 2009, 2009, 4770-4776.	1.2	32
23	Quinoxalino-fused sultines and their application in Diels-Alder reactions. <i>Chemical Communications</i> , 1997, , 205-206.	2.2	30
24	Synthesis of 2,5-Disubstituted Thienosultines and Their Thermal Reactions with Dienophiles and Nucleophiles. <i>Journal of Organic Chemistry</i> , 2002, 67, 9267-9275.	1.7	30
25	A specific and ratiometric chemosensor for Hg ²⁺ based on triazole coupled ortho-methoxyphenylazocalix[4]arene. <i>Tetrahedron</i> , 2011, 67, 8131-8139.	1.0	30
26	Calix[4]arene with Lower-Rim Amino- β -Unsaturated Ketones Containing Bis-Chelating Sites as a Highly Selective Fluorescence Turn-On Chemosensor for Two Copper(II) Ions. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1472-1481.	1.2	30
27	Synthesis of furan-, thiophene- and pyrrole-fused sultines and their application in Diels-Alder reactions. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 2537-2539.	2.0	29
28	Design and synthesis of triazolyl coumarins as Hg ²⁺ selective fluorescent chemosensors. <i>Analyst</i> , 2012, 137, 5770.	1.7	29
29	Stereochemistry of photocycloaddition of (E)-1,2-dicyano- and (Z)-1,2-diethoxyethylene to 5-substituted adamantanes. <i>Journal of Organic Chemistry</i> , 1991, 56, 5020-5025.	1.7	28
30	Face Selectivity in the 1,3-Dipolar Cycloaddition Reactions of Benzonitrile Oxide with 5-Substituted Adamantane-2-thiones and 2-Methyleneadamantanes. <i>Journal of Organic Chemistry</i> , 1997, 62, 4672-4676.	1.7	27
31	Iodine-induced cyclization reaction of endo-thioester substituted norbornenes followed by methylthio group rearrangement. <i>Tetrahedron Letters</i> , 1996, 37, 8209-8212.	0.7	26
32	Evolution of nano- to micro-sized spherical assemblies of fluorogenic bis-calix[4]arenes into supramolecular organogels. <i>Chemical Communications</i> , 2013, 49, 3037.	2.2	24
33	Capping the upper and lower rims of calix[4]arenes by aryl dinitrile oxide reactions. <i>Tetrahedron Letters</i> , 2006, 47, 8383-8386.	0.7	23
34	Safrole-2,3-oxide induces cytotoxic and genotoxic effects in HepG2 cells and in mice. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 726, 234-241.	0.9	23
35	Different sensing modes of fluoride and acetate based on a calix[4]arene with 25,27-bis(triazolyl)methylpyrenylacetamides. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 370-379.	1.6	21
36	Distinct Nanostructures and Organogel Driven by Reversible Molecular Switching of a Tetraphenylethene-Involved Calix[4]arene-Based Amphiphilic [2]Rotaxane. <i>Chemistry of Materials</i> , 2018, 30, 7221-7233.	3.2	21

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37	Radical ions and photochemical charge-transfer phenomena. 22. Pressure-induced diastereoselectivity in photoinduced Diels-Alder reactions. <i>Journal of Organic Chemistry</i> , 1989, 54, 4881-4887.	1.7	20
38	A novel iodine-induced sequential cyclization reaction of norbornene derivatives leading to the formation of novel iodo-cage compounds. <i>Chemical Communications</i> , 1996, , 375.	2.2	20
39	Thermal and microwave assisted reactions of 2,5-disubstituted thienosultines with [60]fullerene: non-Kekulé biradicals and self-sensitized oxygenation of the cycloadduct. <i>Tetrahedron</i> , 2004, 60, 10869-10876.	1.0	19
40	Diversiform Nanostructures Constructed from Tetraphenylethene and Pyrene-Based Acid/Base Controllable Molecular Switching Amphiphilic [2]Rotaxanes with Tunable Aggregation-Induced Static Excimers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45222-45234.	4.0	19
41	Potential Association of Urinary <i>N</i> -7-(2-Carbamoyl-2-hydroxyethyl) Guanine with Dietary Acrylamide Intake of Smokers and Nonsmokers. <i>Chemical Research in Toxicology</i> , 2015, 28, 43-50.	1.7	18
42	1,3-Alternate Calix[4]arene Functionalized With Pyrazole and Triazole Ligands as a Highly Selective Fluorescent Sensor for Hg ²⁺ and Ag ⁺ Ions. <i>Frontiers in Chemistry</i> , 2020, 8, 593261.	1.8	18
43	Effect of external pressure on photoinduced electron-transfer reactions in the Marcus inverted region. <i>The Journal of Physical Chemistry</i> , 1991, 95, 7752-7757.	2.9	17
44	Control of regioselectivity in the Diels-Alder reactions of alkyl-substituted 1,4-benzoquinones by β -cyclodextrin and its derivatives. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 971-972.	2.0	17
45	Temperature and Para-Substituent Effects on the Face Selectivity of 1,3-Dipolar Cycloaddition Reactions of Benzonitrile Oxides with 5-Substituted Adamantane-2-thiones, N-Benzyladamantyl-2-imines, and 2-Methyleneadamantanes. <i>Journal of Organic Chemistry</i> , 1999, 64, 1099-1107.	1.7	17
46	The Synthesis of Naphthosultine and Benzodisultines and Their Pyrolysis with Dienophiles: Studies on <i>N</i> -Naphthoquinodimethane and Bis- <i>N</i> -Quinodimethane. <i>Journal of the Chinese Chemical Society</i> , 2002, 49, 77-82.	0.8	17
47	Mo(CO) ₆ -mediated synthesis of calix[4]arenes carrying β -hydroxy ketones or α, β -unsaturated- β -amino ketones. <i>Tetrahedron Letters</i> , 2006, 47, 9077-9081.	0.7	17
48	Inherently Chiral Biscalix[4]arenes: Design and Syntheses. <i>Journal of Organic Chemistry</i> , 2010, 75, 464-467.	1.7	17
49	Design and Synthesis of New Biprivileged Molecular Scaffolds: Indolo-fused Benzodiazepinyl/quinoxaliny benzimidazoles. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1684-1690.	1.7	17
50	Calix[4]arenes with a Lid in their Upper Rims: 1,3-Dipolar Cycloaddition Reactions of Benzonitrile Oxides with 5-Allyl-, 5,11-Diallyl- and 5,17-Diallylcalix[4]arenes. <i>Journal of the Chinese Chemical Society</i> , 2000, 47, 173-182.	0.8	16
51	Novel approach towards 2-substituted aminobenzimidazoles on imidazolium ion tag under focused microwave irradiation. <i>Tetrahedron</i> , 2011, 67, 6214-6220.	1.0	15
52	Synthesis of 9,10-Bis-ketoaminoanthryl and 9,10-Bis-isoxazolylanthryl Linked Biscalix[4]arenes: Atropisomers and Molecular Recognitions. <i>Journal of Organic Chemistry</i> , 2012, 77, 2254-2262.	1.7	15
53	Light-driven nanofiber and nanoring morphological transformations in organogels based on an azobenzene-bridged biscalix[4]arene. <i>Chemical Communications</i> , 2017, 53, 13241-13244.	2.2	15
54	Face selectivity in the Paterno-Büchi reactions of methacrylonitrile to 5-substituted adamantan-2-ones. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995, , 581-586.	0.9	14

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55	Regioselectivity in the 1,3-dipolar cycloaddition of adamantylidene fulvene and its modification by inclusion in cyclodextrins' solutions. <i>Tetrahedron</i> , 2006, 62, 7380-7389.	1.0	13
56	Photocycloaddition of fumaronitrile to adamantane-2-ones and modification of face selectivity by inclusion in β -cyclodextrin and its derivatives. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995, , 307-313.	0.9	12
57	Synthesis of 3,5,7-trioxapentacyclo[7.2.1.0 ^{2,8} .0 ^{3,4} .0 ^{5,6} .10 ^{6,10}]dodecane. A Novel Diacetal Trioxa-cage. <i>Journal of the Chinese Chemical Society</i> , 1996, 43, 445-449.	0.8	12
58	Photochemistry of benzene and quinoxaline fused β -1,2,3-triazolines and their trapping products. <i>Tetrahedron</i> , 2010, 66, 176-182.	1.0	12
59	The Synthesis of Rigid Polycyclic Structures for the Study of Diatropic or Steric Effects of a Phenyl Ring on CF Bond. <i>Journal of Organic Chemistry</i> , 2013, 78, 12790-12794.	1.7	12
60	Inherently Chiral Calix[5]arenes Incorporating an Axially Chiral Binaphthyl Moiety: Synthesis, Structures and Chiral Recognition. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 765-774.	1.2	12
61	Constructing bridged multifunctional calixarenes by intramolecular indole coupling. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3327-3341.	2.3	11
62	Stiff-Stilbene-Bridged Biscalix[4]arene as a Highly Light-Responsive Supramolecular Gelator. <i>Organic Letters</i> , 2021, 23, 2772-2776.	2.4	11
63	Stereoselectivity of the Diels-Alder Reaction of (<i>E</i>)- β -unsaturated Thioesters with Cyclopentadiene. <i>Journal of the Chinese Chemical Society</i> , 1996, 43, 281-288.	0.8	10
64	Photocontrolled Supramolecular Assembling of Azobenzene-Based Biscalix[4]arenes upon Starting and Stopping Laser Trapping. <i>Langmuir</i> , 2017, 33, 755-763.	1.6	10
65	Acid-base controllable nanostructures and the fluorescence detection of $H_2PO_4^-$ by the molecular shuttling of tetraphenylethene-based [2]rotaxanes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3215-3228.	2.7	10
66	Density functional study of the relative reactivity in the concerted 1,3-dipolar cycloaddition of nitrile ylide to disubstituted ethylenes. <i>International Journal of Quantum Chemistry</i> , 2001, 83, 318-323.	1.0	9
67	A Computational Study of Regioselectivity in a Cyclodextrin-Mediated Diels-Alder Reaction: Revelation of Site Selectivity and the Importance of Shallow Binding and Multiple Binding Modes. <i>Chemistry - A European Journal</i> , 2003, 9, 951-962.	1.7	9
68	A novel photoinduced ring opening and isomerization of adamantane-2-spiro isoxazolines using Mo(CO) ₆ . <i>Tetrahedron Letters</i> , 2006, 47, 7179-7183.	0.7	9
69	Skeletally Diverse Synthesis of Innovative [2,1- <i>c,c'</i>]-1,4-Oxazepine and [1,4]-Quinoxaline Systems. <i>ACS Combinatorial Science</i> , 2015, 17, 623-630.	3.8	9
70	Photochemistry of acetone in the presence of exocyclic olefins: an unexpected competition between the photo-Conia and Patern-Büchi reactions. <i>Chemical Communications</i> , 1997, , 317-318.	2.2	8
71	Low volume fraction SiCp/AA 380.0 composites fabricated by vacuum infiltration. <i>Journal of Materials Research</i> , 1999, 14, 803-810.	1.2	8
72	Face selectivity in the reactions of 2,4-disubstituted adamantanes and their modification by inclusion in β -cyclodextrin solutions. <i>Tetrahedron</i> , 2004, 60, 9493-9501.	1.0	8

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73	In vivo formation of N7-guanine DNA adduct by safrole 2-oxo-3-oxide in mice. <i>Toxicology Letters</i> , 2012, 213, 309-315.	0.4	7
74	Synthesis and Characterization of Adducts Formed in the Reactions of Safrole 2-oxo-3-oxide with 2-Deoxyadenosine, Adenine, and Calf Thymus DNA. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 792-800.	1.2	7
75	Calix[4]arenes with Combined Axial Chirality and Inherent Chirality: Synthesis, Absolute Configuration and Chiral Recognition. <i>ChemistrySelect</i> , 2016, 1, 2486-2491.	0.7	7
76	Controlled Sol-Gel and Diversiform Nanostructure Transitions by Photoresponsive Molecular Switching of Tetraphenylethene- and Azobenzene-Functionalized Organogelators. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29650-29660.	4.0	6
77	Phase Segregation Assisted Morphology Sculpting: Growth of Graphite and Silicon Crystals via Vapor-Solid Reactions. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4138-4145.	1.5	5
78	Regioselective synthesis of imidazo[1,5-a]quinoxalines and methyl N-phenylbenzimidates on an ionic liquid support. <i>RSC Advances</i> , 2016, 6, 76123-76127.	1.7	5
79	Pressure effects on the photocycloaddition of 2-adamantanone with fumaronitrile. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1988, 45, 17-27.	2.0	4
80	Deformative Transition of the Menshutkin Reaction and Helical Atropisomers in a Congested Polyheterocyclic System. <i>Journal of Organic Chemistry</i> , 2014, 79, 9970-9978.	1.7	4
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