Wen-Sheng Chung

List of Publications by Year
in descending order

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		201575	233338
87	2,430	27	45
papers	citations	h-index	g-index

92	92	92	2188
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Acidâ€“base controllable nanostructures and the fluorescence detection of H₂PO₄^â by the molecular shuttling of tetraphenylethene-based [2]rotaxanes. Journal of Materials Chemistry C, 2021, 9, 3215-3228.	2.7	10
2	Stiff-Stilbene-Bridged Biscalix[4]arene as a Highly Light-Responsive Supramolecular Gelator. Organic Letters, 2021, 23, 2772-2776.	2.4	11
3	Diversiform Nanostructures Constructed from Tetraphenylethene and Pyrene-Based Acid/Base Controllable Molecular Switching Amphiphilic [2]Rotaxanes with Tunable Aggregation-Induced Static Excimers. ACS Applied Materials & Interfaces, 2020, 12, 45222-45234.	4.0	19
4	1,3-Alternate Calix[4]arene Functionalized With Pyrazole and Triazole Ligands as a Highly Selective Fluorescent Sensor for Hg2+ and Ag+ Ions. Frontiers in Chemistry, 2020, 8, 593261.	1.8	18
5	Controlled Solâ€“Gel and Diversiform Nanostructure Transitions by Photoresponsive Molecular Switching of Tetraphenylethene- and Azobenzene-Functionalized Organogelators. ACS Applied Materials & Interfaces, 2020, 12, 29650-29660.	4.0	6
6	Convergent Synthesis of Macrocyclic and Linear Desferrioxamines. European Journal of Organic Chemistry, 2020, 2020, 3650-3659.	1.2	3
7	Chiral anion recognition using calix[4]arene-based ureido receptors in a 1,3-alternate conformation. Beilstein Journal of Organic Chemistry, 2020, 16, 2999-3007.	1.3	3
8	Constructing bridged multifunctional calixarenes by intramolecular indole coupling. Organic Chemistry Frontiers, 2019, 6, 3327-3341.	2.3	11
9	Distinct Nanostructures and Organogel Driven by Reversible Molecular Switching of a Tetraphenylethene-Involved Calix[4]arene-Based Amphiphilic [2]Rotaxane. Chemistry of Materials, 2018, 30, 7221-7233.	3.2	21
10	Photocontrolled Supramolecular Assembling of Azobenzene-Based Biscalix[4]arenes upon Starting and Stopping Laser Trapping. Langmuir, 2017, 33, 755-763.	1.6	10
11	Light-driven nanofiber and nanoring morphological transformations in organogels based on an azobenzene-bridged biscalix[4]arene. Chemical Communications, 2017, 53, 13241-13244.	2.2	15
12	Regioselective synthesis of imidazo[1,5-a]quinoxalines and methyl N-phenylbenzimidats on an ionic liquid support. RSC Advances, 2016, 6, 76123-76127.	1.7	5
13	Calix[4]arenes with Combined Axial Chirality and Inherent Chirality: Synthesis, Absolute Configuration and Chiral Recognition. ChemistrySelect, 2016, 1, 2486-2491.	0.7	7
14			

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19	Inherently Chiral Calix[5]arenes Incorporating an Axially Chiral Binaphthyl Moiety: Synthesis, Structures and Chiral Recognition. European Journal of Organic Chemistry, 2015, 2015, 765-774.	1.2	12
20	Different sensing modes of fluoride and acetate based on a calix[4]arene with 25,27-bistriazolylmethylpyrenylacetamides. Photochemical and Photobiological Sciences, 2014, 13, 370-379.	1.6	21
21	Deformative Transition of the Menschutkin Reaction and Helical Atropisomers in a Congested Polyheterocyclic System. Journal of Organic Chemistry, 2014, 79, 9970-9978.	1.7	4
22	Evolution of nano- to microsized spherical assemblies of fluorogenic biscalix[4]arenes into supramolecular organogels. Chemical Communications, 2013, 49, 3037.	2.2	24
23	Analysis of Calix[4]arenes Using Nonaqueous Capillary Electrophoresis. Journal of the Chinese Chemical Society, 2013, 60, 113-119.	0.8	2
24	The Synthesis of Rigid Polycyclic Structures for the Study of Diatropic or Steric Effects of a Phenyl Ring on CF Bond. Journal of Organic Chemistry, 2013, 78, 12790-12794.	1.7	12
25	Biscalix[4]arene Derivative As a Very Efficient Phase Selective Gelator for Oil Spill Recovery. Organic Letters, 2013, 15, 5830-5833.	2.4	61
26	Synthesis of 9,10-Bis-ketoenaminoanthryl and 9,10-Bis-isoxazolylanthryl Linked Biscalix[4]arenes: Atropisomers and Molecular Recognitions. Journal of Organic Chemistry, 2012, 77, 2254-2262.	1.7	15
27	Exploring a sulfone linker utilizing trimethyl aluminum as a cleavage reagent: solid-phase synthesis of sulfonamides and ureas. Molecular Diversity, 2012, 16, 463-476.	2.1	2
28	Design and synthesis of triazolyl coumarins as Hg2+ selective fluorescent chemosensors. Analyst, The, 2012, 137, 5770.	1.7	29
29	In vivo formation of N7-guanine DNA adduct by safrole 2â€²,3â€²-oxide in mice. Toxicology Letters, 2012, 213, 309-315.	0.4	7
30	A highly selective fluorescent chemosensor for Ag+ based on calix[4]arene with lower-rim proximal triazolylpyrenes. Sensors and Actuators B: Chemical, 2012, 171-172, 984-993.	4.0	44
31	Design and Synthesis of New Biprivileged Molecular Scaffolds: Indoloâ€Fused Benzodiazepinyl/quinoxalinyl benzimidazoles. Chemistry - an Asian Journal, 2012, 7, 1684-1690.	1.7	17
32	Synthesis and Characterization of Adducts Formed in the Reactions of Safrole 2â€²,3â€²â€Oxide with 2â€²â€Deoxyadenosine, Adenine, and Calf Thymus DNA. European Journal of Organic Chemistry, 2012, 2012, 792-800.	1.2	7
33	Safrole-2â€²,3â€²-oxide induces cytotoxic and genotoxic effects in HepG2 cells and in mice. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2011, 726, 234-241.	0.9	23
34	A specific and ratiometric chemosensor for Hg2+ based on triazole coupled ortho-methoxyphenylazocalix[4]arene. Tetrahedron, 2011, 67, 8131-8139.	1.0	30
35	1,3â€Alternate Calix[4]arene as a Homobinuclear Ditopic Fluorescent Chemosensor for Ag⁺ Ions. Chemistry - an Asian Journal, 2011, 6, 2738-2746.	1.7	51
36	Calix[4]arene with Lowerâ€Rim Î²â€Amino Î±,Î²â€Unsaturated Ketones Containing Bisâ€Chelating Sites as a Highly Selective Fluorescence Turnâ€On Chemosensor for Two Copper(II) Ions. European Journal of Organic Chemistry, 2011, 2011, 1472-1481.	1.2	30

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37	Novel approach towards 2-substituted aminobenzimidazoles on imidazolium ion tag under focused microwave irradiation. Tetrahedron, 2011, 67, 6214-6220.	1.0	15
38	Photochemistry of benzene and quinoxaline fused Î”2-1,2,3-triazolines and their trapping products. Tetrahedron, 2010, 66, 176-182.	1.0	12
39	A Bifunctional Chromogenic Calix[4]arene Chemosensor for Both Cations and Anions: A Potential Ca²⁺ and F^{â€“} Switched INHIBIT Logic Gate with a YES Logic Function. European Journal of Organic Chemistry, 2010, 2010, 4700-4704.	1.2	62
40	Inherently Chiral Biscalix[4]arenes: Design and Syntheses. Journal of Organic Chemistry, 2010, 75, 464-467.	1.7	17
41	Cooperative Recognition of a Copper Cation and Anion by a Calix[4]arene Substituted at the Lower Rim by a Î²â€Aminoâ€Î±,Î²â€Unsaturated Ketone. Chemistry - A European Journal, 2009, 15, 6152-6160.	1.7	110
42	Tetrazoles and paraâ€Substituted Phenylazoâ€Coupled Calix[4]arenes as Highly Sensitive Chromogenic Sensors for Ca²⁺. European Journal of Organic Chemistry, 2009, 2009, 4770-4776.	1.2	32
43	Highly Selective Fluorescent Sensors for Hg²⁺ and Ag⁺ Based on Bisâ€triazoleâ€Coupled Polyoxyethylenes in MeOH Solution. European Journal of Organic Chemistry, 2009, 2009, 6360-6366.	1.2	68
44	Dual-mode recognition of transition metal ions by bis-triazoles chained pyrenes. Tetrahedron Letters, 2009, 50, 302-305.	0.7	59
45	Highly selective fluorescent sensing of Cu2+ ion by an arylisoxazole modified calix[4]arene. Tetrahedron Letters, 2008, 49, 5013-5016.	0.7	68
46	Phase Segregation Assisted Morphology Sculpting:â€‰ Growth of Graphite and Silicon Crystals via Vaporâ^'Solid Reactions. Journal of Physical Chemistry C, 2007, 111, 4138-4145.	1.5	5
47	Triazole-Modified Calix[4]crown as a Novel Fluorescent Onâ^'Off Switchable Chemosensor. Organic Letters, 2007, 9, 3363-3366.	2.4	210
48	Triazole- and azo-coupled calix[4]arene as a highly sensitive chromogenic sensor for Ca2+ and Pb2+ ions. Tetrahedron Letters, 2007, 48, 7274-7278.	0.7	117
49	Synthesis of Upper-Rim Allyl- andp-Methoxyphenylazocalix[4]arenes and Their Efficiencies in Chromogenic Sensing of Hg2+Ion. Journal of Organic Chemistry, 2007, 72, 2434-2442.	1.7	66
50	Regioselectivity in the 1,3-dipolar cycloaddition of adamantylidenefulvene and its modification by inclusion in cyclodextrins' solutions. Tetrahedron, 2006, 62, 7380-7389.	1.0	13
51	A novel photoinduced ring opening and isomerization of adamantane-2-spiro isoxazolines using Mo(CO)6. Tetrahedron Letters, 2006, 47, 7179-7183.	0.7	9
52	Capping the upper and lower rims of calix[4]arenes by aryl dinitrile oxide reactions. Tetrahedron Letters, 2006, 47, 8383-8386.	0.7	23
53	Mo(CO)6-mediated synthesis of calix[4]arenes carrying Î²-hydroxy ketones or Î±,Î²-unsaturated-Î²-amino ketones. Tetrahedron Letters, 2006, 47, 9077-9081.	0.7	17
54	Photochemistry and photodissociation of benzosultine and naphthosultine: electronic relaxation of sultines and kinetics and theoretical studies of fragment o-quinodimethanes. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 170, 69-81.	2.0	1

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55	Upper Rim Allyl- and Arylazo-Coupled Calix[4]arenes as Highly Sensitive Chromogenic Sensors for Hg2+Ion. Journal of Organic Chemistry, 2005, 70, 2912-2920.	1.7	108
56	Face selectivity in the reactions of 2,4-disubstituted adamantanes and their modification by inclusion in Î²-cyclodextrin solutions. Tetrahedron, 2004, 60, 9493-9501.	1.0	8
57	Thermal and microwave assisted reactions of 2,5-disubstituted thienosultines with [60]fullerene: non-KekulÃ© biradicals and self-sensitized oxygenation of the cycloadduct. Tetrahedron, 2004, 60, 10869-10876.	1.0	19
58	A Computational Study of Regioselectivity in a Cyclodextrin-Mediated Dielsâ€“Alder Reaction: Revelation of Site Selectivity and the Importance of Shallow Binding and Multiple Binding Modes. Chemistry - A European Journal, 2003, 9, 951-962.	1.7	9
59	The Synthesis of Naphthosultine and Benzodisultines and Their Pyrolysis with Dienophiles: Studies on oâ€Naphthoquinodimethane and Bisâ€oâ€Quinodimethane. Journal of the Chinese Chemical Society, 2002, 49, 77-82.	0.8	17
60	Synthesis of 2,5-Disubstituted Thienosultines and Their Thermal Reactions with Dienophiles and Nucleophiles. Journal of Organic Chemistry, 2002, 67, 9267-9275.	1.7	30
61	Density functional study of the relative reactivity in the concerted 1,3-dipolar cycloaddition of nitrile ylide to disubstituted ethylenes. International Journal of Quantum Chemistry, 2001, 83, 318-323.	1.0	9
62	Calix[4]arenes with a Lid in their Upper Rims: 1,3â€Dipolar Cycloaddition Reactions of Benzonitrile Oxides with 5â€Allylâ€, 5,11â€Diallyâ€•and 5,17â€Diallylcalix[4]arenes. Journal of the Chinese Chemical Society, 2000, 47, 173-182.	0.8	16
63	The Syntheses of Pyrazino-Containing Sultines and Their Application in Dielsâ^'Alder Reactions with Electron-Poor Olefins and [60]Fullerene. Journal of Organic Chemistry, 2000, 65, 3395-3403.	1.7	61
64	Low volume fraction SiCp/AA 380.0 composites fabricated by vacuum infiltration. Journal of Materials Research, 1999, 14, 803-810.	1.2	8
65	Face Selection in Addition and Elimination in Sterically Unbiased Systems. Chemical Reviews, 1999, 99, 1387-1414.	23.0	67
66	Synthesis of Calix[4]arenes with Four Different â€œLower Rimâ€•Substituents. Journal of Organic Chemistry, 1999, 64, 2673-2679.	1.7	40
67	Temperature andPara-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. Journal of Organic Chemistry, 1999, 64, 1099-1107.	1.7	17
68	Cycloadditions of 16-Electron 1,3-Dipoles with Ethylene. A Density Functional and CCSD(T) Study. Journal of Organic Chemistry, 1999, 64, 6710-6716.	1.7	76
69	Face selectivity in the photocycloaddition reactions of acrylonitrile to 5-substituted adamantan-2-ones and pyrolysis of the products to methyleneadamantanes. Journal of the Chemical Society Perkin Transactions II, 1997, , 553-558.	0.9	3
70	Photochemistry of acetone in the presence of exocyclic olefins: an unexpected competition between the photo-Conia and PaternÃ²â€“BÃ¼chi reactions. Chemical Communications, 1997, , 317-318.	2.2	8
71	Quinoxalino-fused sultines and their application in Dielsâ€“Alder reactions. Chemical Communications, 1997, , 205-206.	2.2	30
72	Tuning the Singletâ^'Triplet Energy Gap in a Non-KekulÃ© Series by Designed Structural Variation. The Singlet States of N-Substituted-3,4-dimethylenepyrrole Biradicals. Journal of the American Chemical Society, 1997, 119, 1406-1415.	6.6	34

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73	Face Selectivity in the 1,3-Dipolar Cycloaddition Reactions of Benzonitrile Oxide with 5-Substituted Adamantane-2-thiones and 2-Methyleneadamantanes. Journal of Organic Chemistry, 1997, 62, 4672-4676.	1.7	27
74	A noval iodine-induced sequential cyclization reaction of norbornene derivatives leading to the formation of novel iodo-cage compounds. Chemical Communications, 1996, , 375.	2.2	20
75	Synthesis of 3,5,7â€Trioxapentacyclo[7.2.1.0^{2,8}.0^{4,11}.0^{6,10}]dodecane. A Novel Diacetal Trioxaâ€Cage. Journal of the Chinese Chemical Society, 1996, 43, 445-449.	0.8	12
76	Stereoselectivity of the Dielsâ€Alder Reaction of (E)â€Îµâ€Oxoâ€Î±,Î²â€Unsaturated Thioesters with Cyclopentadiene. Journal of the Chinese Chemical Society, 1996, 43, 281-288.	0.8	10
77	Iodine-induced cyclization reaction of endo-thioester substituted norbornenes followed by methylthio group rearrangement. Tetrahedron Letters, 1996, 37, 8209-8212.	0.7	26
78	Synthesis of furan-, thiophene- and pyrrole-fused sultines and their application in Dielsâ€“Alder reactions. Journal of the Chemical Society Chemical Communications, 1995, , 2537-2539.	2.0	29
79	Face selectivity in the Paternoâ€“BÃ¼chi reactions of methacrylonitrile to 5-substituted adamantan-2-ones. Journal of the Chemical Society Perkin Transactions II, 1995, , 581-586.	0.9	14
80	Control of regioselectivity in the Dielsâ€“Alder reactions of alkyl-substituted 1,4-benzoquinones by Î²-cyclodextrin and its derivatives. Journal of the Chemical Society Chemical Communications, 1995, , 971-972.	2.0	17
81	Photocycloaddition of fumaronitrile to adamantan-2-ones and modification of face selectivity by inclusion in Î²-cyclodextrin and its derivatives. Journal of the Chemical Society Perkin Transactions II, 1995, , 307-313.	0.9	12
82	Stereochemistry of photocycloaddition of (E)-1,2-dicyano- and (Z)-1,2-diethoxyethylene to 5-substituted adamantanones. Journal of Organic Chemistry, 1991, 56, 5020-5025.	1.7	28
83	Effect of external pressure on photoinduced electron-transfer reactions in the Marcus inverted region. The Journal of Physical Chemistry, 1991, 95, 7752-7757.	2.9	17
84	Modification of face selectivity by inclusion in cyclodextrins. Journal of the American Chemical Society, 1990, 112, 1202-1205.	6.6	51
85	Radical ions and photochemical charge-transfer phenomena. 22. Pressure-induced diastereoselectivity in photoinduced Diels-Alder reactions. Journal of Organic Chemistry, 1989, 54, 4881-4887.	1.7	20
86	Pressure effects on the photocycloaddition of 2-adamantanone with fumaronitrile. Journal of Photochemistry and Photobiology A: Chemistry, 1988, 45, 17-27.	2.0	4
87	Hyperconjugation as a factor in face selectivity during cycloaddition. Journal of the American Chemical Society, 1988, 110, 7882-7883.	6.6	50