

# Chien-Tien Chen

## List of Publications by Year in descending order

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57  
papers

2,761  
citations

147801

31  
h-index

175258

52  
g-index

60  
all docs

60  
docs citations

60  
times ranked

3217  
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic Asymmetric Coupling of 2-Naphthols by Chiral Tridentate Oxovanadium(IV) Complexes. <i>Organic Letters</i> , 2001, 3, 869-872.	4.6	185
2	Enhanced photovoltaic performance with co-sensitization of porphyrin and an organic dye in dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2012, 5, 6460.	30.8	173
3	Molecular engineering of cocktail co-sensitization for efficient panchromatic porphyrin-sensitized solar cells. <i>Energy and Environmental Science</i> , 2012, 5, 9843.	30.8	145
4	Catalytic Asymmetric Oxidative Couplings of 2-Naphthols by Tridentate N-Ketopinidene-Based Vanadyl Dicarboxylates. <i>Organic Letters</i> , 2002, 4, 2529-2532.	4.6	134
5	Doubly Ortho-Linked Quinoxaline/Diphenylfluorene Hybrids as Bipolar, Fluorescent Chameleons for Optoelectronic Applications. <i>Journal of the American Chemical Society</i> , 2006, 128, 10992-10993.	13.7	129
6	Highly Enantioselective Aerobic Oxidation of $\beta$ -Hydroxyphosphonates Catalyzed by Chiral Vanadyl(V) Methoxides Bearing N-Salicylidene- $\beta$ -aminocarboxylates. <i>Journal of the American Chemical Society</i> , 2006, 128, 6308-6309.	13.7	116
7	Doubly Ortho-Linked cis-4,4'-Bis(diarylamino)stilbene/Fluorene Hybrids as Efficient Nondoped, Sky-Blue Fluorescent Materials for Optoelectronic Applications. <i>Journal of the American Chemical Society</i> , 2007, 129, 7478-7479.	13.7	101
8	Chiral N-salicylidene vanadyl carboxylate-catalyzed enantioselective aerobic oxidation of $\alpha$ -hydroxy esters and amides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3522-3527.	7.1	91
9	Direct Atom-Efficient Esterification between Carboxylic Acids and Alcohols Catalyzed by Amphoteric, Water-Tolerant TiO(acac) <sub>2</sub> . <i>Journal of Organic Chemistry</i> , 2005, 70, 8625-8627.	3.2	89
10	Galactose Encapsulated Multifunctional Nanoparticle for HepG2 Cell Internalization. <i>Advanced Functional Materials</i> , 2010, 20, 3948-3958.	14.9	86
11	Nucleophilic Acyl Substitutions of Anhydrides with Protic Nucleophiles Catalyzed by Amphoteric, Oxomolybdenum Species. <i>Journal of Organic Chemistry</i> , 2005, 70, 1188-1197.	3.2	85
12	Chiral Triarylcarbenium Ions in Asymmetric Mukaiyama Aldol Additions. <i>Journal of the American Chemical Society</i> , 1997, 119, 11341-11342.	13.7	83
13	Catalytic Nucleophilic Acyl Substitution of Anhydrides by Amphoteric Vanadyl Triflate. <i>Organic Letters</i> , 2001, 3, 3729-3732.	4.6	80
14	Highly Efficient Yellow Organic Light Emitting Diode with a Novel Wet and Dry Process Feasible Iridium Complex Emitter. <i>Advanced Functional Materials</i> , 2014, 24, 555-562.	14.9	75
15	Iron(III) chloride as an efficient catalyst for stereoselective synthesis of glycosyl azides and a cocatalyst with Cu(0) for the subsequent click chemistry. <i>Chemical Communications</i> , 2011, 47, 10440.	4.1	65
16	Asymmetric Aerobic Oxidation of $\beta$ -Hydroxy Acid Derivatives by C <sub>4</sub> -Symmetric, Vanadate-Centered, Tetrakisvanadyl(V) Clusters Derived from N-Salicylidene- $\beta$ -aminocarboxylates. <i>Journal of Organic Chemistry</i> , 2007, 72, 8175-8185.	3.2	62
17	Site-Selective DNA Photocleavage Involving Unusual Photoinitiated Tautomerization of Chiral Tridentate Vanadyl(V) Complexes Derived from N-Salicylidene $\beta$ -Amino Acids. <i>Organic Letters</i> , 2004, 6, 4471-4474.	4.6	55
18	Stripping off Water at Ambient Temperature: Direct Atom-Efficient Acetal Formation between Aldehydes and Diols Catalyzed by Water-Tolerant and Recoverable Vanadyl Triflate. <i>Organic Letters</i> , 2005, 7, 3343-3346.	4.6	55

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19	A Triantennary Dendritic Galactoside-Capped Nanohybrid with a ZnS/CdSe Nanoparticle Core as a Hydrophilic, Fluorescent, Multivalent Probe for Metastatic Lung Cancer Cells. <i>Advanced Functional Materials</i> , 2008, 18, 527-540.	14.9	54
20	Enantiodivergent Steglich rearrangement of O-carboxylazlactones catalyzed by a chirality switchable helicene containing a 4-aminopyridine unit. <i>Chemical Science</i> , 2017, 8, 524-529.	7.4	54
21	C2-Symmetric Dibenzosuberane-Based Helicenes as Potential Chirochromic Optical Switches. <i>Journal of the American Chemical Society</i> , 2000, 122, 7662-7672.	13.7	51
22	Enantioselective Aerobic Oxidation of $\alpha$ -Hydroxy-Ketones Catalyzed by Oxidovanadium(V) Methoxides Bearing Chiral, <i>N</i> -Salicylidene- <i>tert</i> -butylglycinates. <i>Organic Letters</i> , 2011, 13, 26-29.	4.6	51
23	Vanadyl species-catalyzed complementary $\alpha$ -oxidative carbonylation of styrene derivatives with aldehydes. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2385-2392.	2.8	51
24	Complementary Helicity Interchange of Optically Switchable Supramolecular-Enantiomeric Helicenes with $\alpha$ -Gel-Sol-(+)-Gel Transition Ternary Logic. <i>Journal of the American Chemical Society</i> , 2013, 135, 5294-5297.	13.7	49
25	Diastereoselective, Synergistic Dual-Mode Optical Switch with Integrated Chirochromic Helicene and Photochromic Bis-azobenzene Moieties. <i>Organic Letters</i> , 2010, 12, 1472-1475.	4.6	47
26	Nucleophilic Acyl Substitutions of Esters with Protic Nucleophiles Mediated by Amphoteric, Oxotitanium, and Vanadyl Species. <i>Journal of Organic Chemistry</i> , 2005, 70, 1328-1339.	3.2	46
27	Doubly ortho-linked quinoxaline/triarylamine hybrid as a bifunctional, dipolar electroluminescent template for optoelectronic applications. <i>Chemical Communications</i> , 2005, , 3980.	4.1	45
28	High-Efficiency Wet- and Dry-Processed Green Organic Light Emitting Diodes with a Novel Iridium Complex-Based Emitter. <i>Advanced Optical Materials</i> , 2013, 1, 657-667.	7.3	42
29	Substitution- and Elimination-Free Phosphorylation of Functionalized Alcohols Catalyzed by Oxidomolybdenum Tetrachloride. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 188-194.	4.3	40
30	Emission Mechanism of Doubly ortho-Linked Quinoxaline/Diphenylfluorene or cis-Stilbene/Fluorene Hybrid Compounds Based on the Transient Absorption and Emission Measurements during Pulse Radiolysis. <i>Journal of the American Chemical Society</i> , 2009, 131, 6698-6707.	13.7	35
31	Asymmetric Aerobic Oxidation of $\alpha$ -Hydroxy Acid Derivatives Catalyzed by Reusable, Polystyrene-Supported Chiral <i>N</i> -Salicylidene Oxidovanadium <i>tert</i> -leucinates. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 1234-1240.	4.3	35
32	Catalytic Conjugate Additions of Nitrogen-, Phosphorus-, and Carbon-Containing Nucleophiles by Amphoteric Vanadyl Triflate. <i>Organic Letters</i> , 2007, 9, 5195-5198.	4.6	30
33	Nearly non-roll-off high efficiency fluorescent yellow organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2011, 21, 12613.	6.7	30
34	Solution-Process-Feasible Deep-Red Phosphorescent Emitter. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18794-18802.	3.1	28
35	The use of a polarity matching and high-energy exciton generating host in fabricating efficient purplish-blue OLEDs from a sky-blue emitter. <i>Journal of Materials Chemistry</i> , 2012, 22, 15500.	6.7	27
36	Triarylcarbenium Chlorides as Catalysts in Allylation Reaction: A Unique Type of Reaction with Negligible Intervention of Silyl Catalysis. <i>Journal of Organic Chemistry</i> , 1999, 64, 1090-1091.	3.2	24

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37	Spirally configured cis-stilbene/fluorene hybrids as bipolar, organic sensitizers for solar cell applications. <i>Chemical Communications</i> , 2012, 48, 4884.	4.1	24
38	Diethylene glycol ether-linked 3,4,5-trihydroxybenzamides as triply branched dendritic anchors to CdSe/ZnS core/shell type nanoparticles: potential hydrophilic fluorescent probes. <i>Chemical Communications</i> , 2005, , 2483.	4.1	21
39	Vanadyl Species Catalyzed 1,2-Oxidative Trifluoromethylation of Unactivated Olefins. <i>ACS Catalysis</i> , 2020, 10, 3676-3683.	11.2	21
40	Mitochondrial Apoptosis and FAK Signaling Disruption by a Novel Histone Deacetylase Inhibitor, HTPB, in Antitumor and Antimetastatic Mouse Models. <i>PLoS ONE</i> , 2012, 7, e30240.	2.5	21
41	Directed Assembly of Chiral Oxidovanadium(V) Methoxides into $C_4$ -Symmetric Metal(I) Vanadate-Centered Quadruplexes: Synergistic $K^+$ - and $Ag^+$ -specific Transport. <i>Journal of the American Chemical Society</i> , 2008, 130, 12842-12843.	13.7	20
42	Modulation of Photoswitching Profiles by 10,11-Dialkoxymethyl Substituents in $C_2$ -Symmetric Dibenzosuberene-Based Helicenes. <i>Chemistry - A European Journal</i> , 2010, 16, 12822-12830.	3.3	16
43	Enantioselective Radical Type, 1,2-Oxytrifluoromethylation of Olefins Catalyzed by Chiral Vanadyl Complexes: Importance of Noncovalent Interactions. <i>ACS Catalysis</i> , 2021, 11, 7160-7175.	11.2	12
44	Enantiodivergent reduction of $\alpha$ -keto amides catalyzed by high valent, chiral oxido-vanadium(v) complexes. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2505-2510.	4.5	11
45	Spirally configured cis-stilbene/fluorene hybrids as ambipolar, fluorescent materials for organic light emitting diode applications. <i>RSC Advances</i> , 2013, 3, 9381.	3.6	10
46	Temperature-Dependent Nuclearity in Bis(benzimidazolyl) Nickel Complexes and Their Catalysis toward Conjugate Addition of Thiophenols to $\alpha,\beta$ -Enones. <i>Organometallics</i> , 2009, 28, 652-655.	2.3	9
47	Chiral Vanadyl(V) Complexes Enable Efficient Asymmetric Reduction of $\alpha$ -Ketoamides: Application toward ( <i>S</i> )-Duloxetine. <i>Journal of Organic Chemistry</i> , 2020, 85, 6408-6419.	3.2	9
48	Enantioselective Synthesis of 1-Aryl Tetrahydroisoquinolines by the Rhodium-Catalyzed Reaction of 3,4-Dihydroisoquinolinium Tetraarylborates. <i>Organic Letters</i> , 2021, 23, 1141-1146.	4.6	9
49	Oxidative, photo-activated TiO <sub>2</sub> nanoparticles in the catalytic acetylation of primary alcohols. <i>Catalysis Science and Technology</i> , 2011, 1, 54.	4.1	8
50	Spiro-Shaped cis-Stilbene/Fluorene Hybrid Template for the Fabrication of Small-Molecule Bulk Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15943-15948.	3.1	6
51	New Spiro-Phenylpyrazole/Dibenzosuberene Derivatives as Hole-Transporting Material for Perovskite Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1900143.	5.8	6
52	Spirally Configured (cis-Stilbene) Trimers: Steady-State and Time-Resolved Photophysical Studies and Organic Light-Emitting Diode Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 25561-25569.	8.0	4
53	Fluorescent Nanohybrids from ZnS/CdSe Quantum Dots Functionalized with Triantennary, N-Hydroxy-p-(4-arylbutanamido)benzamide/Gallamide Dendrons That Act as Inhibitors of Histone Deacetylase for Lung Cancer. <i>ACS Applied Bio Materials</i> , 2021, 4, 2475-2489.	4.6	3
54	Directed Self-Assembly of $C_4$ -Symmetric, Oxidovanadate-Centered, Vanadyl(V) Quadruplexes for $Ba^{2+}$ - and $Hg^{2+}$ -Specific Recognition, Transport, and Recovery. <i>Inorganic Chemistry</i> , 2018, 57, 11511-11523.	4.0	2

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55	Enabling a bright orange-red emission with a high EQE with a seven-member-ring based fluorescent emitter with a matching host. <i>Organic Electronics</i> , 2015, 26, 285-291.	2.6	1
56	15th International symposium on novel aromatic compounds (ISNA-15). <i>Pure and Applied Chemistry</i> , 2014, 86, 469-469.	1.9	0
57	Metal-Ion Specific Recognition with Amplified Transcription from Subnanometer to Submillimeter or Real-Time Domain by Self-Assembled Vanadyl Quartets. <i>Inorganic Chemistry</i> , 2022, 61, 5595-5606.	4.0	0