

Chien-Tien Chen

List of Publications by Year in descending order

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57
papers

2,761
citations

147801

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52
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60
all docs

60
docs citations

60
times ranked

3217
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | Fluorescent Nano Hybrids from ZnS/CdSe Quantum Dots Functionalized with Triantennary, <i>N</i> -Hydroxy- <i>p</i> -(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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Enantiodivergent reduction of $\hat{\text{I}}^2$ -keto amides catalyzed by high valent, chiral oxido-vanadium(v) complexes. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2505-2510. | 4.5 | 11 |
| 6 | Vanadyl Species Catalyzed 1,2-Oxidative Trifluoromethylation of Unactivated Olefins. <i>ACS Catalysis</i> , 2020, 10, 3676-3683. | 11.2 | 21 |
| 7 | Chiral Vanadyl(V) Complexes Enable Efficient Asymmetric Reduction of $\hat{\text{I}}^2$ -Ketoamides: Application toward (<i>S</i>)-Duloxetine. <i>Journal of Organic Chemistry</i> , 2020, 85, 6408-6419. | 3.2 | 9 |
| 8 | New Spiro-Phenylpyrazole/Dibenzosuberene Derivatives as Hole-Transporting Material for Perovskite Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1900143. | 5.8 | 6 |
| 9 | Directed Self-Assembly of C_{4v} -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 |
| 10 | Spirally Configured (<i>cis</i> -Stilbene) Trimers: Steady-State and Time-Resolved Photophysical Studies and Organic Light-Emitting Diode Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25561-25569. | 8.0 | 4 |
| 11 | Spiro-Shaped <i>cis</i> -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 |
| 12 | Enantiodivergent Steglich rearrangement of <i>O</i> -carboxylazlactones catalyzed by a chirality switchable helicene containing a 4-aminopyridine unit. <i>Chemical Science</i> , 2017, 8, 524-529. | 7.4 | 54 |
| 13 | Solution-Process-Feasible Deep-Red Phosphorescent Emitter. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18794-18802. | 3.1 | 28 |
| 14 | Vanadyl species-catalyzed complementary $\hat{\text{I}}^2$ -oxidative carbonylation of styrene derivatives with aldehydes. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2385-2392. | 2.8 | 51 |
| 15 | 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 |
| 16 | 15th International symposium on novel aromatic compounds (ISNA-15). <i>Pure and Applied Chemistry</i> , 2014, 86, 469-469. | 1.9 | 0 |
| 17 | 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 |
| 18 | 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 |

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|----|---|------|-----------|
| 19 | 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 |
| 20 | Complementary Helicity Interchange of Optically Switchable Supramolecular-Enantiomeric Helicenes with (âˆ“)âˆ“)-Gel-Sol-(+)-Gel Transition Ternary Logic. <i>Journal of the American Chemical Society</i> , 2013, 135, 5294-5297. | 13.7 | 49 |
| 21 | Spirally configured cis-stilbene/fluorene hybrids as bipolar, organic sensitizers for solar cell applications. <i>Chemical Communications</i> , 2012, 48, 4884. | 4.1 | 24 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | Nearly non-roll-off high efficiency fluorescent yellow organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2011, 21, 12613. | 6.7 | 30 |
| 28 | Oxidative, photo-activated TiO ₂ nanoparticles in the catalytic acetylation of primary alcohols. <i>Catalysis Science and Technology</i> , 2011, 1, 54. | 4.1 | 8 |
| 29 | Enantioselective Aerobic Oxidation of Î±-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 |
| 30 | Asymmetric Aerobic Oxidation of Î±-Hydroxy Acid Derivatives Catalyzed by Reusable, Polystyreneâ€”Supported Chiral <i>N</i>-Salicylidene Oxidovanadium <i>tert</i>-Leucinates. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 1234-1240. | 4.3 | 35 |
| 31 | Galactose Encapsulated Multifunctional Nanoparticle for HepG2 Cell Internalization. <i>Advanced Functional Materials</i> , 2010, 20, 3948-3958. | 14.9 | 86 |
| 32 | Substitutionâ€”and Eliminationâ€”Free Phosphorylation of Functionalized Alcohols Catalyzed by Oxidomolybdenum Tetrachloride. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 188-194. | 4.3 | 40 |
| 33 | Modulation of Photoswitching Profiles by 10,11â€”Dialkoxymethyl Substituents in <i>C</i>-Symmetric Dibenzosuberoneâ€”Based Helicenes. <i>Chemistry - A European Journal</i> , 2010, 16, 12822-12830. | 3.3 | 16 |
| 34 | 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 |
| 35 | Temperature-Dependent Nuclearity in Bis(benzimidazolyl) Nickel Complexes and Their Catalysis toward Conjugate Addition of Thiophenols to Î±,Î²-Enones. <i>Organometallics</i> , 2009, 28, 652-655. | 2.3 | 9 |
| 36 | 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 |

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|----|---|------|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | Asymmetric Aerobic Oxidation of α -Hydroxy Acid Derivatives by C_4 -Symmetric, Vanadate-Centered, Tetrakisvanadyl(V) Clusters Derived from <i>N</i> -Salicylidene- α -aminocarboxylates. <i>Journal of Organic Chemistry</i> , 2007, 72, 8175-8185. | 3.2 | 62 |
| 41 | Doubly Ortho-Linked <i>cis</i> -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 |
| 42 | Highly Enantioselective Aerobic Oxidation of α -Hydroxyphosphonates Catalyzed by Chiral Vanadyl(V) Methoxides Bearing <i>N</i> -Salicylidene- α -aminocarboxylates. <i>Journal of the American Chemical Society</i> , 2006, 128, 6308-6309. | 13.7 | 116 |
| 43 | 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 |
| 44 | Chiral <i>N</i> -salicylidene vanadyl carboxylate-catalyzed enantioselective aerobic oxidation of α -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 |
| 45 | 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 |
| 46 | Direct Atom-Efficient Esterification between Carboxylic Acids and Alcohols Catalyzed by Amphoteric, Water-Tolerant $TiO(acac)_2$. <i>Journal of Organic Chemistry</i> , 2005, 70, 8625-8627. | 3.2 | 89 |
| 47 | 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 |
| 48 | Doubly ortho-linked quinoxaline/triarylamine hybrid as a bifunctional, dipolar electroluminescent template for optoelectronic applications. <i>Chemical Communications</i> , 2005, , 3980. | 4.1 | 45 |
| 49 | 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 |
| 50 | 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 |
| 51 | Site-Selective DNA Photocleavage Involving Unusual Photoinitiated Tautomerization of Chiral Tridentate Vanadyl(V) Complexes Derived from <i>N</i> -Salicylidene α -Amino Acids. <i>Organic Letters</i> , 2004, 6, 4471-4474. | 4.6 | 55 |
| 52 | Catalytic Asymmetric Oxidative Couplings of 2-Naphthols by Tridentate <i>N</i> -Ketopinidene-Based Vanadyl Dicarboxylates. <i>Organic Letters</i> , 2002, 4, 2529-2532. | 4.6 | 134 |
| 53 | Catalytic Nucleophilic Acyl Substitution of Anhydrides by Amphoteric Vanadyl Triflate. <i>Organic Letters</i> , 2001, 3, 3729-3732. | 4.6 | 80 |
| 54 | Catalytic Asymmetric Coupling of 2-Naphthols by Chiral Tridentate Oxovanadium(IV) Complexes. <i>Organic Letters</i> , 2001, 3, 869-872. | 4.6 | 185 |

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|----|---|------|-----------|
| 55 | C2-Symmetric Dibenzosuberane-Based Helicenes as Potential Chirochromic Optical Switches. Journal of the American Chemical Society, 2000, 122, 7662-7672. | 13.7 | 51 |
| 56 | Triarylcarbenium Chlorides as Catalysts in Allylation Reaction: A Unique Type of Reaction with Negligible Intervention of Silyl Catalysis. Journal of Organic Chemistry, 1999, 64, 1090-1091. | 3.2 | 24 |
| 57 | Chiral Triarylcarbenium Ions in Asymmetric Mukaiyama Aldol Additions. Journal of the American Chemical Society, 1997, 119, 11341-11342. | 13.7 | 83 |