

# Chi-Wan Lee

## List of Publications by Year in descending order

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37  
papers

2,287  
citations

393982

19  
h-index

329751

37  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2274  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrathin Single-Crystalline Silver Nanowire Arrays Formed in an Ambient Solution Phase. <i>Science</i> , 2001, 294, 348-351.	6.0	644
2	Self-Assembled Arrays of Organic Nanotubes with Infinitely Long One-Dimensional H-Bond Chains. <i>Journal of the American Chemical Society</i> , 2001, 123, 10748-10749.	6.6	248
3	Structure-Activity Relationship of Imidazo[1,2-a]pyridines as Ligands for Detecting $\beta$ -Amyloid Plaques in the Brain. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 237-243.	2.9	217
4	Novel Stilbenes as Probes for Amyloid Plaques. <i>Journal of the American Chemical Society</i> , 2001, 123, 12740-12741.	6.6	181
5	Molecular Recognition of Fluoride Anion: Benzene-Based Tripodal Imidazolium Receptor. <i>Journal of Organic Chemistry</i> , 2003, 68, 2467-2470.	1.7	151
6	Assembling Phenomena of Calix[4]hydroquinone Nanotube Bundles by One-Dimensional Short Hydrogen Bonding and Displaced $\pi$ - $\pi$ Stacking. <i>Journal of the American Chemical Society</i> , 2002, 124, 14268-14279.	6.6	106
7	Suppressed $\beta$ -Hydride Elimination in Palladium-Catalyzed Cascade Cyclization-Coupling Reactions: An Efficient Synthesis of 3-Arylmethylpyrrolidines. <i>Organic Letters</i> , 2000, 2, 1213-1216.	2.4	85
8	Origin of the High Affinity and Selectivity of Novel Receptors for $\text{NH}_4^+$ over $\text{K}^+$ : Charged Hydrogen Bonds vs Cation- $\pi$ Interaction. <i>Organic Letters</i> , 2000, 2, 2679-2681.	2.4	71
9	An Electrochemically Controllable Nanomechanical Molecular System Utilizing Edge-to-Face and Face-to-Face Aromatic Interactions. <i>Organic Letters</i> , 2002, 4, 3971-3974.	2.4	56
10	Isomerization of (Z,Z) to (E,E) 1-Bromo-2,5-bis-(3-hydroxycarbonyl-4-hydroxy)styrylbenzene in Strong Base: Probes for Amyloid Plaques in the Brain. <i>Journal of Medicinal Chemistry</i> , 2001, 44, 2270-2275.	2.9	49
11	Dimethylamino-fluorenes: ligands for detecting $\beta$ -amyloid plaques in the brain. <i>Nuclear Medicine and Biology</i> , 2003, 30, 573-580.	0.3	48
12	Rational Design of Biologically Important Chemosensors: A Novel Receptor for Selective Recognition of Acetylcholine over Ammonium Cations. <i>Organic Letters</i> , 2003, 5, 471-474.	2.4	38
13	Iodinated tracers for imaging amyloid plaques in the brain. <i>Molecular Imaging and Biology</i> , 2003, 5, 418-426.	1.3	36
14	Synthesis of 4-Oxo-2-alkenylphosphonates via Nitrile Oxide Cycloaddition: $\beta$ -Acylation of Allylic Phosphonates. <i>Journal of Organic Chemistry</i> , 2000, 65, 256-257.	1.7	33
15	Design and synthesis of a novel peptidomimetic inhibitor of HIV-1 Tat-TAR interactions: Squaryldiamide as a new potential bioisostere of unsubstituted guanidine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 4243-4246.	1.0	33
16	Stereo- and regioselective preparation of vinyl tellurides via alkenyl zirconocenes. <i>Tetrahedron Letters</i> , 1995, 36, 1503-1504.	0.7	29
17	Synthesis and reaction of $\beta$ -organoyltelluro vinylphosphonates and vinyl sulfones. <i>Tetrahedron Letters</i> , 2000, 41, 5103-5106.	0.7	28
18	Preparation of 1-telluroalkylphosphonates: new synthetic route to vinyl tellurides. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1994, , 717.	0.9	27

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19	A New Type of Helix Pattern in Polyalanine Peptide. <i>Journal of the American Chemical Society</i> , 2001, 123, 514-515.	6.6	26
20	Facile synthesis of 3-arylpyrroles by tandem Suzuki–Miyaura cross-coupling and dehydrogenation reaction. <i>Tetrahedron Letters</i> , 2000, 41, 3423-3425.	0.7	25
21	Dephosphonylation of $\alpha$ -Carbonyl Phosphonates. <i>Journal of Organic Chemistry</i> , 1999, 64, 7017-7022.	1.7	23
22	Ti(II)-Mediated Cyclization of $\alpha$ -Vinylimides. A Stereoselective Approach to Gelsemine. <i>Synlett</i> , 1999, 1999, 561-562.	1.0	17
23	Facile Synthesis of 1-Alkynylphosphonates. <i>Synthetic Communications</i> , 1996, 26, 1563-1567.	1.1	16
24	Cycloaddition of Nitrile Oxides to Unsaturated Phosphonates. <i>Synthetic Communications</i> , 1999, 29, 3621-3626.	1.1	14
25	Synthesis of Unsymmetrical Chiral Triaza-18-crown-6 and Diaza-12-crown-4 with a Pendant Group. <i>Journal of Organic Chemistry</i> , 2000, 65, 7225-7227.	1.7	14
26	Design and Synthesis of Novel Oxime Ester Photoinitiators Augmented by Automated Machine Learning. <i>Chemistry of Materials</i> , 2022, 34, 116-127.	3.2	13
27	t-BuOK-Induced Cleavage of Dihydrofuran Derivatives: Synthesis of $\beta$ -(Diethoxyphosphinyl)- $\alpha,\gamma$ -unsaturated Ketones. <i>Journal of Organic Chemistry</i> , 1995, 60, 7027-7029.	1.7	8
28	Regiocontrolled Synthetic Approach to $\alpha,\beta$ -Disubstituted Unsymmetrical Ketones. <i>Journal of Organic Chemistry</i> , 2000, 65, 245-248.	1.7	7
29	Facile Synthesis of Vinyl Sulfones from $\alpha$ -Bromo Alcohols. <i>Synthetic Communications</i> , 2000, 30, 2897-2902.	1.1	7
30	New Synthetic Route to 3-Furylphosphonates. <i>Heterocycles</i> , 1996, 43, 1171.	0.4	7
31	Synthetic Route to $\alpha$ -Phosphono- $\gamma$ -butyrolactones: Synthesis of $\gamma$ -Substituted $\alpha$ -Methylene- $\gamma$ -butyrolactones. <i>Heterocycles</i> , 1997, 45, 943.	0.4	7
32	One-Pot Synthesis of $\alpha$ -Methyl Vinyl Sulfones From Ethyl Phenyl Sulfones. <i>Synthetic Communications</i> , 2000, 30, 279-283.	1.1	6
33	SYNTHESIS OF 3-ALKYL-3-PHOSPHORYL CHROMANONES: TANDEM ALLYL-VINYL MIGRATION AND CYCLIZATION OF $\alpha$ -(O-HYDROXYBENZOYL)-ALLYLIC PHOSPHONATES. <i>Synthetic Communications</i> , 2001, 31, 2613-2617.	1.1	6
34	A Facile Preparation of 2-Arylethenephosphonates. <i>Synthetic Communications</i> , 1995, 25, 2013-2017.	1.1	5
35	Synthesis of (R)- and (S)-Oxymethylmorpholine Derivatives. <i>Synthetic Communications</i> , 2000, 30, 559-563.	1.1	3
36	Synthesis of $\alpha$ -Amino- $\alpha,\beta$ -dichloro Sulfones from Vinyl Sulfones. <i>Synthetic Communications</i> , 1996, 26, 3715-3718.	1.1	2

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37	SYNTHESIS OF OPTICALLY PURE DIAZA-12-CROWN-4 WITH A PENDANT GROUP. <i>Synthetic Communications</i> , 2002, 32, 1595-1600.	1.1	1