

# Chou-Hsun Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

385  
citations

933447

10  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

485  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase-Separated Transcriptional Condensates Accelerate Target-Search Process Revealed by Live-Cell Single-Molecule Imaging. <i>Cell Reports</i> , 2020, 33, 108248.	6.4	88
2	Direct Aryloxylation/Alkyloxylation of Dialkyl Phosphonates for the Synthesis of Mixed Phosphonates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6624-6628.	13.8	51
3	A multi-state fragment charge difference approach for diabatic states in electron transfer: Extension and automation. <i>Journal of Chemical Physics</i> , 2013, 139, 154104.	3.0	44
4	First-Principle Characterization for Singlet Fission Couplings. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1925-1929.	4.6	40
5	The dynamical correlation in spacer-mediated electron transfer couplings. <i>Journal of Chemical Physics</i> , 2006, 124, 244507.	3.0	24
6	Metal-free cross-coupling of $\pi$ -conjugated triazenes with unactivated arenes via photoactivation. <i>Organic Chemistry Frontiers</i> , 2019, 6, 152-161.	4.5	22
7	First-Principle Determination of Electronic Coupling and Prediction of Charge Recombination Rates in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 983-992.	3.1	20
8	Molecular Design of Ultrabright Semiconducting Polymer Dots with High NIR Fluorescence for 3D Tumor Mapping. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100993.	7.6	20
9	Direct Aryloxylation/Alkyloxylation of Dialkyl Phosphonates for the Synthesis of Mixed Phosphonates. <i>Angewandte Chemie</i> , 2018, 130, 6734-6738.	2.0	15
10	Trisulfur-Radical-Anion-Triggered C(sp <sup>2</sup> ) <sup>+</sup> H Amination of Electron-Deficient Alkenes. <i>Organic Letters</i> , 2020, 22, 9751-9756.	4.6	14
11	Plasmonic circular dichroism of vesicle-like nanostructures by the template-less self-assembly of achiral Janus nanoparticles. <i>Nanoscale</i> , 2018, 10, 14586-14593.	5.6	10
12	Photocycloaddition of <i>S,S</i> -Dioxo-benzothiophene-2-methanol, Reactivity in the Solid State and in Solution: Mechanistic Studies and Diastereoselective Formation of Cyclobutyl Rings. <i>Journal of Organic Chemistry</i> , 2019, 84, 9714-9725.	3.2	10
13	Approximate DFT-based methods for generating diabatic states and calculating electronic couplings: models of two and more states. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 2571-2584.	2.8	6
14	Experimental and theoretical rationalization for the base pairing abilities of inosine, guanosine, adenosine, and their corresponding 8-oxo-7,8-dihydropurine, and 8-bromopurine analogues within A-form duplexes of RNA. <i>Biopolymers</i> , 2020, 111, e23410.	2.4	6
15	Heat Transport in a Spin-Boson Model at Low Temperatures: A Multilayer Multiconfiguration Time-Dependent Hartree Study. <i>Entropy</i> , 2020, 22, 1099.	2.2	5
16	Computational study on the removal of photolabile protecting groups by photochemical reactions. <i>Computational and Theoretical Chemistry</i> , 2019, 1151, 1-11.	2.5	4
17	Molecular and nano structures of chiral PEDOT derivatives influence the enantiorecognition of biomolecules. <i>In silico</i> analysis of chiral recognition. <i>Analyst</i> , 2021, 146, 7118-7125.	3.5	4
18	Enhancing Singlet Fission Coupling with Nonbonding Orbitals. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 1017-1029.	5.3	2

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19	Demonstration of a Stereospecific Photochemical Meta Effect. Photochem, 2022, 2, 69-76.	2.2	0