Chou-Hsun Yang

List of Publications by Year
in descending order

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19	385	933447	839539
papers	citations	10	18
		h-index	g-index

19	19	19	485
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancing Singlet Fission Coupling with Nonbonding Orbitals. Journal of Chemical Theory and Computation, 2022, 18, 1017-1029.	5.3	2
2	Demonstration of a Stereospecific Photochemical Meta Effect. Photochem, 2022, 2, 69-76.	2.2	0
3	Molecular Design of Ultrabright Semiconducting Polymer Dots with High NIRâ€II Fluorescence for 3D Tumor Mapping. Advanced Healthcare Materials, 2021, 10, e2100993.	7.6	20
4	Molecular and nano structures of chiral PEDOT derivatives influence the enantiorecognition of biomolecules. In silico analysis of chiral recognition. Analyst, The, 2021, 146, 7118-7125.	3.5	4
5	Trisulfur-Radical-Anion-Triggered C(sp²)â€“H Amination of Electron-Deficient Alkenes. Organic Letters, 2020, 22, 9751-9756.	4.6	14
6	Phase-Separated Transcriptional Condensates Accelerate Target-Search Process Revealed by Live-Cell Single-Molecule Imaging. Cell Reports, 2020, 33, 108248.	6.4	88
7	Experimental and theoretical rationalization for the base pairing abilities of inosine, guanosine, adenosine, and their corresponding 8â€oxo â€7,8â€dihydropurine, and 8â€bromopurine analogues within Aâ€form duplexes of RNA. Biopolymers, 2020, 111, e23410.	2.4	6
8	Heat Transport in a Spin-Boson Model at Low Temperatures: A Multilayer Multiconfiguration Time-Dependent Hartree Study. Entropy, 2020, 22, 1099.	2.2	5
9	Photocycloaddition of S,S-Dioxo-benzothiophene-2-methanol, Reactivity in the Solid State and in Solution: Mechanistic Studies and Diastereoselective Formation of Cyclobutyl Rings. Journal of Organic Chemistry, 2019, 84, 9714-9725.	3.2	10
10	Computational study on the removal of photolabile protecting groups by photochemical reactions. Computational and Theoretical Chemistry, 2019, 1151, 1-11.	2.5	4
11	Metal-free cross-coupling of Ï€-conjugated triazenes with unactivated arenes via photoactivation. Organic Chemistry Frontiers, 2019, 6, 152-161.	4.5	22
12	Direct Aryloxylation/Alkyloxylation of Dialkyl Phosphonates for the Synthesis of Mixed Phosphonates. Angewandte Chemie - International Edition, 2018, 57, 6624-6628.	13.8	51
13	Approximate DFT-based methods for generating diabatic states and calculating electronic couplings: models of two and more states. Physical Chemistry Chemical Physics, 2018, 20, 2571-2584.	2.8	6
14	Plasmonic circular dichroism of vesicle-like nanostructures by the template-less self-assembly of achiral Janus nanoparticles. Nanoscale, 2018, 10, 14586-14593.	5.6	10
15	Direct Aryloxylation/Alkyloxylation of Dialkyl Phosphonates for the Synthesis of Mixed Phosphonates. Angewandte Chemie, 2018, 130, 6734-6738.	2.0	15
16	First-Principle Determination of Electronic Coupling and Prediction of Charge Recombination Rates in Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2017, 121, 983-992.	3.1	20
17	First-Principle Characterization for Singlet Fission Couplings. Journal of Physical Chemistry Letters, 2015, 6, 1925-1929.	4.6	40
18	A multi-state fragment charge difference approach for diabatic states in electron transfer: Extension and automation. Journal of Chemical Physics, 2013, 139, 154104.	3.0	44

#	Article	IF	Citations
19	The dynamical correlation in spacer-mediated electron transfer couplings. Journal of Chemical Physics, 2006, 124, 244507.	3.0	24