Lei You

List of Publications by Year
in descending order

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37 papers	1,761 citations	394421 19 h-index	361022 35 g-index
37 all docs	37 docs citations	37 times ranked	2308 citing authors

#	Article	IF	Citations
1	Recent Advances in Supramolecular Analytical Chemistry Using Optical Sensing. Chemical Reviews, 2015, 115, 7840-7892.	47.7	793
2	Dynamic multi-component covalent assembly for the reversible binding of secondary alcohols and chirality sensing. Nature Chemistry, 2011, 3, 943-948.	13.6	167
3	An Exciton-Coupled Circular Dichroism Protocol for the Determination of Identity, Chirality, and Enantiomeric Excess of Chiral Secondary Alcohols. Journal of the American Chemical Society, 2012, 134, 7117-7125.	13.7	129
4	Dynamic Covalent Chemistry within Biphenyl Scaffolds: Reversible Covalent Bonding, Control of Selectivity, and Chirality Sensing with a Single System. Angewandte Chemie - International Edition, 2018, 57, 1300-1305.	13.8	66
5	Correlating Sterics Parameters and Diastereomeric Ratio Values for a Multicomponent Assembly To Predict Exciton-Coupled Circular Dichroism Intensity and Thereby Enantiomeric Excess of Chiral Secondary Alcohols. Journal of the American Chemical Society, 2012, 134, 7126-7134.	13.7	54
6	Dynamic Multicomponent Hemiaminal Assembly. Chemistry - A European Journal, 2011, 17, 11017-11023.	3.3	49
7	Dynamic Covalent Switches and Communicating Networks for Tunable Multicolor Luminescent Systems and Vapor-Responsive Materials. Journal of the American Chemical Society, 2019, 141, 16344-16353.	13.7	42
8	Synthesis and evaluation of quinoxaline derivatives as potential influenza NS1A protein inhibitors. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 3007-3011.	2.2	41
9	A Supramolecular Sensor Array Using Lanthanide-Doped Nanoparticles for Sensitive Detection of Glyphosate and Proteins. ACS Applied Materials & Interfaces, 2016, 8, 574-581.	8.0	35
10	n â†' Ï€* interactions as a versatile tool for controlling dynamic imine chemistry in both organic and aqueous media. Chemical Science, 2020, 11, 2707-2715.	7.4	29
11	Dynamic Signaling Cascades: Reversible Covalent Reaction-Coupled Molecular Switches. Journal of the American Chemical Society, 2015, 137, 14220-14228.	13.7	27
12	Mechanistic studies on covalent assemblies of metal-mediated hemi-aminal ethers. Chemical Science, 2015, 6, 158-164.	7.4	26
13	Dynamic covalent binding and chirality sensing of mono secondary amines with a metal-templated assembly. Tetrahedron, 2015, 71, 3515-3521.	1.9	25
14	Secondary Alcohol Hemiacetal Formation: An in Situ Carbonyl Activation Strategy. Organic Letters, 2009, 11, 5126-5129.	4.6	24
15	Interplay between nâ†'Ï€* Interactions and Dynamic Covalent Bonds: Quantification and Modulation by Solvent Effects. Journal of the American Chemical Society, 2019, 141, 8825-8833.	13.7	24
16	Quantitative Reactivity Scales for Dynamic Covalent and Systems Chemistry. Journal of the American Chemical Society, 2016, 138, 381-389.	13.7	23
17	Dynamic Covalent Chemistry within Biphenyl Scaffolds: Reversible Covalent Bonding, Control of Selectivity, and Chirality Sensing with a Single System. Angewandte Chemie, 2018, 130, 1314-1319.	2.0	23
18	Dynamic Aminalâ€Based TPA Ligands. Chemistry - A European Journal, 2015, 21, 8207-8213.	3.3	21

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19	Exploring naphthyl-carbohydrazides as inhibitors of influenza A viruses. European Journal of Medicinal Chemistry, 2014, 71, 81-90.	5.5	20
20	Three Switchable Orthogonal Dynamic Covalent Reactions and Complex Networks Based on the Control of Dual Reactivity. Journal of Organic Chemistry, 2018, 83, 9858-9869.	3.2	20
21	Multiresponsive Dynamic Covalent Assemblies for the Selective Sensing of Both Cu²⁺ and CN^{â€“} in Water. ACS Applied Materials & Interfaces, 2016, 8, 2399-2405.	8.0	17
22	Aggregation-induced emission luminogens and tunable multicolor polymer networks modulated by dynamic covalent chemistry. Chinese Chemical Letters, 2022, 33, 3267-3271.	9.0	16
23	Modulation of imine chemistry with intramolecular hydrogen bonding: Effects from ortho-OH to NH. Tetrahedron, 2020, 76, 131128.	1.9	12
24	Effects of n â†' Ï€* Orbital Interactions on Molecular Rotors: The Control and Switching of Rotational Pathway and Speed. Organic Letters, 2021, 23, 231-235.	4.6	12
25	Adaptive Covalent Networks Enabled by Dual Reactivity: The Evolution of Reversible Covalent Bonds, Their Molecular Assemblies, and Guest Recognition. Journal of Organic Chemistry, 2020, 85, 5351-5361.	3.2	11
26	Light-Induced Formation/Scission of Câ€“N, Câ€“O, and Câ€“S Bonds Enables Switchable Stability/Degradability in Covalent Systems. Journal of the American Chemical Society, 2021, 143, 20368-20376.	13.7	10
27	Versatile Dynamic Covalent Assemblies for Probing Ï€â€“Stacking and Chirality Induction from Homotopic Faces. Chemistry - A European Journal, 2017, 23, 3804-3809.	3.3	7
28	Dynamic covalent bond constrained ureas for multimode fluorescence switching, thermally induced emission, and chemical signaling cascades. Organic Chemistry Frontiers, 2021, 8, 3760-3769.	4.5	7
29	Regulation of Axial Chirality through Dynamic Covalent Bond Constrained Biaryls. ACS Omega, 2019, 4, 10273-10278.	3.5	6
30	Noncovalent and Dynamic Covalent Chemistry Strategies for Driving Thermoresponsive Phase Transition with Multistimuli and Controlled Encapsulation/Release. ACS Applied Materials & Interfaces, 2020, 12, 2962-2973.	8.0	5
31	Interplay between chalcogen bonds and dynamic covalent bonds. Organic Chemistry Frontiers, 2022, 9, 3966-3975.	4.5	5
32	Quantification and Prediction of Imine Formation Kinetics in Aqueous Solution by Microfluidic NMR Spectroscopy. Chemistry - A European Journal, 2021, 27, 9508-9513.	3.3	4
33	Differential metal-binding properties of dynamic acylhydrazone polymers and their sensing applications. Royal Society Open Science, 2017, 4, 170466.	2.4	3
34	Dynamic Covalent Chemistry within Biphenyl Scaffolds: Effects from Endocyclic to Exocyclic Sulfonamides. Synlett, 2018, 29, 2131-2136.	1.8	3
35	Dynamic Covalent Reactions Controlled by Ringâ€Chain Tautomerism of 2â€Formylbenzoic Acid. European Journal of Organic Chemistry, 2022, 2022, e202101461.	2.4	3
36	Dynamic covalent chemistry constrained diphenylethenes: control over reactivity and luminescence both in solution and in the solid state. Organic Chemistry Frontiers, 0, , .	4.5	2

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37	Frontispiece: Versatile Dynamic Covalent Assemblies for Probing Ï€â€Stacking and Chirality Induction from Homotopic Faces. Chemistry - A European Journal, 2017, 23, .	3.3	0