Yan Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

33	817	567281 15	477307 29
papers	citations	h-index	g-index

34	34	34	821
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Constitutional Dynamic Materialsâ€"Toward Natural Selection of Function. Chemical Reviews, 2016, 116, 809-834.	47.7	101
2	Dynamic covalent polymers for biomedical applications. Materials Chemistry Frontiers, 2020, 4, 489-506.	5.9	94
3	Efficient asymmetric synthesis of lamivudine via enzymatic dynamic kinetic resolution. Chemical Communications, 2013, 49, 10376-10378.	4.1	56
4	Dynamic Asymmetric Hemithioacetal Transformation by Lipaseâ€Catalyzed Î³â€Lactonization: In Situ Tandem Formation of 1,3â€Oxathiolanâ€5â€one Derivatives. Chemistry - A European Journal, 2012, 18, 6129-6132.	3.3	50
5	Double parallel dynamic resolution through lipase-catalyzed asymmetric transformation. Chemical Communications, 2013, 49, 1805.	4.1	47
6	Dynameric asymmetric membranes for directional water transport. Chemical Communications, 2015, 51, 15925-15927.	4.1	46
7	Bis-15-crown-5-ether-pillar[5]arene K⁺-Responsive Channels. Organic Letters, 2017, 19, 1438-1441.	4.6	44
8	Heparan sulfate loaded polycaprolactone-hydroxyapatite scaffolds with 3D printing for bone defect repair. International Journal of Biological Macromolecules, 2020, 148, 153-162.	7.5	38
9	Asymmetric Synthesis of Substituted Thiolanes through Domino Thiaâ€Michaelâ€"Henry Dynamic Covalent Systemic Resolution using Lipase Catalysis. Advanced Synthesis and Catalysis, 2014, 356, 987-992.	4.3	36
10	Thiazolidinones Derived from Dynamic Systemic Resolution of Complex Reversibleâ€Reaction Networks. Chemistry - A European Journal, 2014, 20, 3288-3291.	3.3	33
11	Asymmetric synthesis of 1,3-oxathiolan-5-one derivatives through dynamic covalent kinetic resolution. Tetrahedron, 2014, 70, 3826-3831.	1.9	33
12	Dynamic Systemic Resolution. Topics in Current Chemistry, 2011, 322, 55-86.	4.0	26
13	Dynamic encapsulation and activation of carbonic anhydrase in multivalent dynameric host matrices. Chemical Communications, 2016, 52, 4053-4055.	4.1	25
14	Tandem driven dynamic self-inhibition of acetylcholinesterase. Chemical Communications, 2010, 46, 8457.	4.1	19
15	Lipase-catalyzed asymmetric synthesis of oxathiazinanones through dynamic covalent kinetic resolution. Organic and Biomolecular Chemistry, 2014, 12, 3572-3575.	2.8	18
16	Synthesis of chiral oxazolidinone derivatives through lipase-catalyzed kinetic resolution. Journal of Molecular Catalysis B: Enzymatic, 2015, 122, 29-34.	1.8	14
17	Ligandâ€and Metalâ€Driven Selection of Flexible Adaptive Dynamic Host Receptors. European Journal of Organic Chemistry, 2016, 2016, 1825-1828.	2.4	14
18	Dynamic covalent kinetic resolution. Catalysis Reviews - Science and Engineering, 2020, 62, 66-95.	12.9	14

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19	Dynameric host frameworks for the activation of lipase through H-bond and interfacial encapsulation. Chemical Communications, 2016, 52, 13768-13770.	4.1	13
20	Exponential Activation of Carbonic Anhydrase by Encapsulation in Dynameric Host Matrices with Chiral Discrimination. Chemistry - A European Journal, 2018, 24, 715-720.	3.3	13
21	Enzyme classification using complex dynamic hemithioacetal systems. Chemical Communications, 2016, 52, 5053-5056.	4.1	12
22	Hydrophobic metallo-supramolecular Pd₂L₄ cages for zwitterionic guest encapsulation in organic solvents. Dalton Transactions, 2017, 46, 15204-15207.	3.3	12
23	Surface-Directed Selection of Dynamic Constitutional Frameworks as an Optimized Microenvironment for Controlled Enzyme Activation. ACS Catalysis, 2020, 10, 1423-1427.	11.2	11
24	One-Pot Enzymaticâ€“Chemical Cascade Route for Synthesizing Aromatic Î±-Hydroxy Ketones. ACS Catalysis, 2021, 11, 2808-2818.	11.2	10
25	Selective regulation of RANKL/RANK/OPG pathway by heparan sulfate through the binding with estrogen receptor Î² in MC3T3-E1 cells. International Journal of Biological Macromolecules, 2020, 161, 1526-1534.	7.5	9
26	Lipase-catalyzed kinetic resolution of 3-phenyloxazolidin-2-one derivatives: Cascade O- and N-alkoxycarbonylations. Catalysis Communications, 2016, 82, 11-15.	3.3	8
27	Multifunctionalized Brush-Like Glycopolymers with High Affinity to P-Selectin and Antitumor Metastasis Activity. Biomacromolecules, 2021, 22, 1177-1185.	5.4	5
28	Squaleneâ€“polyethyleneimineâ€“dynamic constitutional frameworks enhancing the enzymatic activity of carbonic anhydrase. Catalysis Science and Technology, 2022, 12, 3094-3101.	4.1	5
29	Fluorodynamers Displaying Tunable Fluorescence on Constitutional Exchanges in Solution and at Solid Filmâ€“Solution Interface. Chemistry - A European Journal, 2020, 26, 10191-10194.	3.3	4
30	Doubleâ€Network Heparin Dynamic Hydrogels: Dynagels as Antiâ€bacterial 3D Cell Culture Scaffolds. Chemistry - A European Journal, 2021, 27, 7080-7084.	3.3	4
31	Ligand Mediated Metal Cations Exchanges within Metalloâ€Dynameric Solid Films. ChemistryOpen, 2019, 8, 1345-1349.	1.9	2
32	Constitutional Dynamic Inhibition/Activation of Carbonic Anhydrases. ChemPlusChem, 2021, 86, 1499.	2.8	1
33	pHâ€Driven Precise Control of Hybridization Reaction Kinetics for Rapid DNA Assay. ChemistrySelect, 2018, 3, 10646-10650.	1.5	0