

Yan Zhang

List of Publications by Year in descending order

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33
papers

817
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821
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Squaleneâ€“polyethyleneimineâ€“dynamic constitutional frameworks enhancing the enzymatic activity of carbonic anhydrase. <i>Catalysis Science and Technology</i> , 2022, 12, 3094-3101. | 4.1 | 5 |
| 2 | One-Pot Enzymaticâ€“Chemical Cascade Route for Synthesizing Aromatic Î±-Hydroxy Ketones. <i>ACS Catalysis</i> , 2021, 11, 2808-2818. | 11.2 | 10 |
| 3 | Multifunctionalized Brush-Like Glycopolymers with High Affinity to P-Selectin and Antitumor Metastasis Activity. <i>Biomacromolecules</i> , 2021, 22, 1177-1185. | 5.4 | 5 |
| 4 | Doubleâ€“Network Heparin Dynamic Hydrogels: Dynagels as Antiâ€“bacterial 3D Cell Culture Scaffolds. <i>Chemistry - A European Journal</i> , 2021, 27, 7080-7084. | 3.3 | 4 |
| 5 | Constitutional Dynamic Inhibition/Activation of Carbonic Anhydrases. <i>ChemPlusChem</i> , 2021, 86, 1499. | 2.8 | 1 |
| 6 | Dynamic covalent kinetic resolution. <i>Catalysis Reviews - Science and Engineering</i> , 2020, 62, 66-95. | 12.9 | 14 |
| 7 | Dynamic covalent polymers for biomedical applications. <i>Materials Chemistry Frontiers</i> , 2020, 4, 489-506. | 5.9 | 94 |
| 8 | Surface-Directed Selection of Dynamic Constitutional Frameworks as an Optimized Microenvironment for Controlled Enzyme Activation. <i>ACS Catalysis</i> , 2020, 10, 1423-1427. | 11.2 | 11 |
| 9 | Selective regulation of RANKL/RANK/OPG pathway by heparan sulfate through the binding with estrogen receptor Î² in MC3T3-E1 cells. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 1526-1534. | 7.5 | 9 |
| 10 | Fluorodynamers Displaying Tunable Fluorescence on Constitutional Exchanges in Solution and at Solid Filmâ€“Solution Interface. <i>Chemistry - A European Journal</i> , 2020, 26, 10191-10194. | 3.3 | 4 |
| 11 | Heparan sulfate loaded polycaprolactone-hydroxyapatite scaffolds with 3D printing for bone defect repair. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 153-162. | 7.5 | 38 |
| 12 | Ligand Mediated Metal Cations Exchanges within Metalloâ€“Dynameric Solid Films. <i>ChemistryOpen</i> , 2019, 8, 1345-1349. | 1.9 | 2 |
| 13 | Exponential Activation of Carbonic Anhydrase by Encapsulation in Dynameric Host Matrices with Chiral Discrimination. <i>Chemistry - A European Journal</i> , 2018, 24, 715-720. | 3.3 | 13 |
| 14 | pHâ€“Driven Precise Control of Hybridization Reaction Kinetics for Rapid DNA Assay. <i>ChemistrySelect</i> , 2018, 3, 10646-10650. | 1.5 | 0 |
| 15 | Bis-15-crown-5-ether-pillar[5]arene K ⁺ -Responsive Channels. <i>Organic Letters</i> , 2017, 19, 1438-1441. | 4.6 | 44 |
| 16 | Hydrophobic metallo-supramolecular Pd ₂ L ₄ cages for zwitterionic guest encapsulation in organic solvents. <i>Dalton Transactions</i> , 2017, 46, 15204-15207. | 3.3 | 12 |
| 17 | Lipase-catalyzed kinetic resolution of 3-phenyloxazolidin-2-one derivatives: Cascade O- and N-alkoxycarbonylations. <i>Catalysis Communications</i> , 2016, 82, 11-15. | 3.3 | 8 |
| 18 | Dynameric host frameworks for the activation of lipase through H-bond and interfacial encapsulation. <i>Chemical Communications</i> , 2016, 52, 13768-13770. | 4.1 | 13 |

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|----|---|------|-----------|
| 19 | Ligand- and Metal-Driven Selection of Flexible Adaptive Dynamic Host Receptors. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1825-1828. | 2.4 | 14 |
| 20 | Enzyme classification using complex dynamic hemithioacetal systems. <i>Chemical Communications</i> , 2016, 52, 5053-5056. | 4.1 | 12 |
| 21 | Dynamic encapsulation and activation of carbonic anhydrase in multivalent dyanameric host matrices. <i>Chemical Communications</i> , 2016, 52, 4053-4055. | 4.1 | 25 |
| 22 | Constitutional Dynamic Materials—Toward Natural Selection of Function. <i>Chemical Reviews</i> , 2016, 116, 809-834. | 47.7 | 101 |
| 23 | Synthesis of chiral oxazolidinone derivatives through lipase-catalyzed kinetic resolution. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 122, 29-34. | 1.8 | 14 |
| 24 | Dyanameric asymmetric membranes for directional water transport. <i>Chemical Communications</i> , 2015, 51, 15925-15927. | 4.1 | 46 |
| 25 | Thiazolidinones Derived from Dynamic Systemic Resolution of Complex Reversible Reaction Networks. <i>Chemistry - A European Journal</i> , 2014, 20, 3288-3291. | 3.3 | 33 |
| 26 | Asymmetric Synthesis of Substituted Thiolanes through Domino Thia-Michael-Henry Dynamic Covalent Systemic Resolution using Lipase Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 987-992. | 4.3 | 36 |
| 27 | Asymmetric synthesis of 1,3-oxathiolan-5-one derivatives through dynamic covalent kinetic resolution. <i>Tetrahedron</i> , 2014, 70, 3826-3831. | 1.9 | 33 |
| 28 | Lipase-catalyzed asymmetric synthesis of oxathiazinanones through dynamic covalent kinetic resolution. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3572-3575. | 2.8 | 18 |
| 29 | Efficient asymmetric synthesis of lamivudine <i>via</i> enzymatic dynamic kinetic resolution. <i>Chemical Communications</i> , 2013, 49, 10376-10378. | 4.1 | 56 |
| 30 | Double parallel dynamic resolution through lipase-catalyzed asymmetric transformation. <i>Chemical Communications</i> , 2013, 49, 1805. | 4.1 | 47 |
| 31 | Dynamic Asymmetric Hemithioacetal Transformation by Lipase-Catalyzed β -Lactonization: In Situ Tandem Formation of 1,3-Oxathiolan-5-one Derivatives. <i>Chemistry - A European Journal</i> , 2012, 18, 6129-6132. | 3.3 | 50 |
| 32 | Dynamic Systemic Resolution. <i>Topics in Current Chemistry</i> , 2011, 322, 55-86. | 4.0 | 26 |
| 33 | Tandem driven dynamic self-inhibition of acetylcholinesterase. <i>Chemical Communications</i> , 2010, 46, 8457. | 4.1 | 19 |