

Zhen Chen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

736
citations

16
h-index

26
g-index

48
ext. papers

997
ext. citations

8.9
avg, IF

4.53
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 43 | Catalytic alkylation of unactivated C(sp)-H bonds for C(sp)-C(sp) bond formation. <i>Chemical Society Reviews</i> , 2019 , 48, 4921-4942 | 58.5 | 103 |
| 42 | Use of a Traceless Activating and Directing Group for the Construction of Trifluoromethylpyrazoles: One-Pot Transformation of Nitroolefins and Trifluorodiazaoethane. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4569-4574 | 16.4 | 76 |
| 41 | Silver-catalyzed regioselective [3+2] cycloaddition of arene-diazonium salts with 2,2,2-trifluorodiazaoethane (CF ₃ CHN ₂): a facile access to 2-aryl-5-trifluoromethyltetrazoles. <i>Chemical Communications</i> , 2015 , 51, 16545-8 | 5.8 | 61 |
| 40 | Copper-catalyzed one-pot denitrogenative-dehydrogenative-decarboxylative coupling of β -ketoacids with trifluorodiazaoethane: facile access to trifluoromethylated aldol products. <i>Chemistry - A European Journal</i> , 2014 , 20, 8325-9 | 4.8 | 59 |
| 39 | Silver-Catalyzed [3 + 3] Dipolar Cycloaddition of Trifluorodiazaoethane and Glycine Imines: Access to Highly Functionalized Trifluoromethyl-Substituted Triazines and Pyridines. <i>ACS Catalysis</i> , 2019 , 9, 4600-4608 | 13.1 | 35 |
| 38 | Direct Regioselective [3 + 2] Cycloaddition Reactions of Masked Difluorodiazaoethane with Electron-Deficient Alkynes and Alkenes: Synthesis of Difluoromethyl-Substituted Pyrazoles. <i>Organic Letters</i> , 2018 , 20, 4562-4565 | 6.2 | 34 |
| 37 | Solution Crystallization of Vanillin in the Presence of a Liquid-Liquid Phase Separation. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 14646-14652 | 3.9 | 33 |
| 36 | In Vitro and in Vivo Evaluation of C-Labeled Azetidincarboxylates for Imaging Monoacylglycerol Lipase by PET Imaging Studies. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 2278-2291 | 8.3 | 29 |
| 35 | Ru-Photoredox-Catalyzed Decarboxylative Oxygenation of Aliphatic Carboxylic Acids through N-(acyloxy)phthalimide. <i>Organic Letters</i> , 2018 , 20, 4824-4827 | 6.2 | 28 |
| 34 | Positron Emission Tomography (PET) Ligand Development for Ionotropic Glutamate Receptors: Challenges and Opportunities for Radiotracer Targeting N-Methyl-d-aspartate (NMDA), β -Amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid (AMPA), and Kainate Receptors. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 403-419 | 8.3 | 28 |
| 33 | Transition-Metal-Free [3 + 2] Cycloaddition of Nitroolefins and Diazoacetoneitrile: A Facile Access to Multisubstituted Cyanopyrazoles. <i>Organic Letters</i> , 2018 , 20, 2120-2124 | 6.2 | 24 |
| 32 | Aryl Diazonium Salt-Triggered Cyclization and Cycloaddition Reactions: Past, Present, and Future. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 1132-1152 | 4.9 | 21 |
| 31 | Use of a Traceless Activating and Directing Group for the Construction of Trifluoromethylpyrazoles: One-Pot Transformation of Nitroolefins and Trifluorodiazaoethane. <i>Angewandte Chemie</i> , 2017 , 129, 4640-4645 | 36 | 19 |
| 30 | Design, Synthesis, and Evaluation of Reversible and Irreversible Monoacylglycerol Lipase Positron Emission Tomography (PET) Tracers Using a "Tail Switching" Strategy on a Piperazinyl Azetidine Skeleton. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 3336-3353 | 8.3 | 18 |
| 29 | Regioselective synthesis of carboxylic and fluoromethyl tetrazoles enabled by silver-catalyzed cycloaddition of diazoacetates and aryl diazonium salts. <i>Tetrahedron</i> , 2020 , 76, 131063 | 2.4 | 17 |
| 28 | PET imaging of EGFR expression using an F-labeled RNA aptamer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 948-956 | 8.8 | 16 |
| 27 | [F]Ethenesulfonyl Fluoride as a Practical Radiofluoride Relay Reagent. <i>Chemistry - A European Journal</i> , 2019 , 25, 7613-7617 | 4.8 | 13 |

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|----|--|------|----|
| 26 | Design, Synthesis, and Evaluation of F-Labeled Monoacylglycerol Lipase Inhibitors as Novel Positron Emission Tomography Probes. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 8866-8872 | 8.3 | 11 |
| 25 | Synthesis, pharmacology and preclinical evaluation of C-labeled 1,3-dihydro-2H-benzo[d]imidazole-2-ones for imaging β -dependent transmembrane AMPA receptor regulatory protein. <i>European Journal of Medicinal Chemistry</i> , 2018 , 157, 898-908 | 6.8 | 11 |
| 24 | Triazines: Syntheses and Inverse Electron-demand Diels-Alder Reactions. <i>Chemical Reviews</i> , 2021 , 121, 14555-14593 | 68.1 | 11 |
| 23 | Development of Cyanopyrazoles as Building Blocks to Fungicide Fluxapyroxad and Analogues. <i>Journal of Organic Chemistry</i> , 2019 , 84, 7148-7158 | 4.2 | 8 |
| 22 | Discovery and Optimization of β Mangostin Derivatives as Novel PDE4 Inhibitors for the Treatment of Vascular Dementia. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 3370-3380 | 8.3 | 8 |
| 21 | Synthesis and Preliminary Evaluations of a Triazole-Cored Antagonist as a PET Imaging Probe (18 F]N2B-0518) for GluN2B Subunit in the Brain. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 2263-2275 | 5.7 | 7 |
| 20 | 18 F]-Alfatide PET imaging of integrin α ₅ β 1 for the non-invasive quantification of liver fibrosis. <i>Journal of Hepatology</i> , 2020 , 73, 161-169 | 13.4 | 7 |
| 19 | Metal Protein-Attenuating Compound for PET Neuroimaging: Synthesis and Preclinical Evaluation of 18 F]PBT2. <i>Molecular Pharmaceutics</i> , 2018 , 15, 695-702 | 5.6 | 7 |
| 18 | Synthesis and Preliminary Evaluation of 18 F]GNE-1023 as a Potent PET Probe for Imaging Leucine-Rich Repeat Kinase 2 (LRRK2) in Parkinson's Disease. <i>ChemMedChem</i> , 2019 , 14, 1580-1585 | 3.7 | 7 |
| 17 | Synthesis and preliminary studies of C-labeled tetrahydro-1,7-naphthyridine-2-carboxamides for PET imaging of metabotropic glutamate receptor 2. <i>Theranostics</i> , 2020 , 10, 11178-11196 | 12.1 | 5 |
| 16 | Synthesis and preliminary evaluation of novel C-labeled GluN2B-selective NMDA receptor negative allosteric modulators. <i>Acta Pharmacologica Sinica</i> , 2021 , 42, 491-498 | 8 | 5 |
| 15 | Radiosynthesis and preliminary evaluation of C-labeled 4-cyclopropyl-7-(3-methoxyphenoxy)-3,4-dihydro-2-benzo[<i>c</i>] [1,2,4] thiadiazine 1,1-dioxide for PET imaging AMPA receptors. <i>Tetrahedron Letters</i> , 2020 , 61, 151635-151635 | 2 | 4 |
| 14 | The Repertoire of Small-Molecule PET Probes for Neuroinflammation Imaging: Challenges and Opportunities beyond TSPO.. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 17656-17689 | 8.3 | 4 |
| 13 | Synthesis and Preliminary Evaluation of C-Labeled VU0467485/AZ13713945 and Its Analogues for Imaging Muscarinic Acetylcholine Receptor Subtype 4. <i>ChemMedChem</i> , 2019 , 14, 303-309 | 3.7 | 4 |
| 12 | High-Mobility and Air-Stable Amorphous Semiconductor Composed of Earth-Abundant Elements: Amorphous Zinc Oxysulfide. <i>Advanced Electronic Materials</i> , 2020 , 6, 1900602 | 6.4 | 3 |
| 11 | Development of a highly-specific F-labeled irreversible positron emission tomography tracer for monoacylglycerol lipase mapping. <i>Acta Pharmaceutica Sinica B</i> , 2021 , 11, 1686-1695 | 15.5 | 3 |
| 10 | Novel Reversible-Binding PET Ligands for Imaging Monoacylglycerol Lipase Based on the Piperazinyl Azetidone Scaffold. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 14283-14298 | 8.3 | 3 |
| 9 | Synthesis and pharmacokinetic study of a C-labeled cholesterol 24-hydroxylase inhibitor using Tn-loopT[C]CO fixation method. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127068 | 2.9 | 2 |

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| 8 | A Study of Preoperative Autologous Blood Donation Timing. <i>Indian Journal of Hematology and Blood Transfusion</i> , 2018 , 34, 138-142 | 0.7 | 2 |
| 7 | Identification and Development of a New Positron Emission Tomography Ligand 4-(2-Fluoro-4-[C]methoxyphenyl)-5-((1-methyl-1-pyrazol-3-yl)methoxy)picolinamide for Imaging Metabotropic Glutamate Receptor Subtype 2 (mGlu). <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 11469-11483 | 8.3 | 2 |
| 6 | [F]MAGL-4-11 positron emission tomography molecular imaging of monoacylglycerol lipase changes in preclinical liver fibrosis models.. <i>Acta Pharmaceutica Sinica B</i> , 2022 , 12, 308-315 | 15.5 | 2 |
| 5 | Aryl-18F Bond Formation from Nucleophilic [18F]fluoride 2020 , 617-648 | | 1 |
| 4 | Synthesis and preliminary evaluation of a novel positron emission tomography (PET) ligand for imaging fatty acid amide hydrolase (FAAH). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127513 ^{2,9} | | 1 |
| 3 | Application of Component Apheresis in Pre-deposited Autotransfusion. <i>Annals of Clinical and Laboratory Science</i> , 2018 , 48, 634-638 | 0.9 | 1 |
| 2 | Synthesis and evaluation of 6-(C-methyl(4-(pyridin-2-yl)thiazol-2-yl)amino)benzo[d]thiazol-2(3H)-one for imaging $\beta\beta$ dependent transmembrane AMPA receptor regulatory protein by PET. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 126879 | 2.9 | 0 |
| 1 | Preliminary evaluation of [C]MAGL-0519 as a promising PET ligand for the diagnosis of Hepatocellular carcinoma.. <i>Bioorganic Chemistry</i> , 2022 , 120, 105620 | 5.1 | |