

# Zhen Chen

## List of Publications by Year in Descending Order

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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	Preliminary evaluation of [ <sup>11</sup> C]MAGL-0519 as a promising PET ligand for the diagnosis of Hepatocellular carcinoma.. <i>Bioorganic Chemistry</i> , <b>2022</b> , 120, 105620	5.1	
42	[ <sup>18</sup> F]MAGL-4-11 positron emission tomography molecular imaging of monoacylglycerol lipase changes in preclinical liver fibrosis models.. <i>Acta Pharmaceutica Sinica B</i> , <b>2022</b> , 12, 308-315	15.5	2
41	The Repertoire of Small-Molecule PET Probes for Neuroinflammation Imaging: Challenges and Opportunities beyond TSPO.. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 17656-17689	8.3	4
40	Development of a highly-specific F-labeled irreversible positron emission tomography tracer for monoacylglycerol lipase mapping. <i>Acta Pharmaceutica Sinica B</i> , <b>2021</b> , 11, 1686-1695	15.5	3
39	Synthesis and preliminary evaluation of novel C-labeled GluN2B-selective NMDA receptor negative allosteric modulators. <i>Acta Pharmacologica Sinica</i> , <b>2021</b> , 42, 491-498	8	5
38	Novel Reversible-Binding PET Ligands for Imaging Monoacylglycerol Lipase Based on the Piperazinyl Azetidine Scaffold. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 14283-14298	8.3	3
37	Triazines: Syntheses and Inverse Electron-demand Diels-Alder Reactions. <i>Chemical Reviews</i> , <b>2021</b> , 121, 14555-14593	68.1	11
36	Aryl Diazonium Salt-Triggered Cyclization and Cycloaddition Reactions: Past, Present, and Future. <i>Chinese Journal of Chemistry</i> , <b>2020</b> , 38, 1132-1152	4.9	21
35	[ <sup>18</sup> F]-Alfatide PET imaging of integrin $\alpha_5\beta_1$ for the non-invasive quantification of liver fibrosis. <i>Journal of Hepatology</i> , <b>2020</b> , 73, 161-169	13.4	7
34	Regioselective synthesis of carboxylic and fluoromethyl tetrazoles enabled by silver-catalyzed cycloaddition of diazoacetates and aryl diazonium salts. <i>Tetrahedron</i> , <b>2020</b> , 76, 131063	2.4	17
33	Discovery and Optimization of $\beta$ Mangostin Derivatives as Novel PDE4 Inhibitors for the Treatment of Vascular Dementia. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 3370-3380	8.3	8
32	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> , <b>2020</b> , 61, 151635-151635	2	4
31	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> , <b>2020</b> , 30, 127068	2.9	2
30	Aryl- <sup>18</sup> F Bond Formation from Nucleophilic [ <sup>18</sup> F]fluoride <b>2020</b> , 617-648		1
29	High-Mobility and Air-Stable Amorphous Semiconductor Composed of Earth-Abundant Elements: Amorphous Zinc Oxysulfide. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 1900602	6.4	3
28	Synthesis and evaluation of 6-(C-methyl(4-(pyridin-2-yl)thiazol-2-yl)amino)benzo[ <i>d</i> ]thiazol-2(3H)-one for imaging $\beta$ dependent transmembrane AMPA receptor regulatory protein by PET. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2020</b> , 30, 126879	2.9	0
27	Synthesis and preliminary studies of C-labeled tetrahydro-1,7-naphthyridine-2-carboxamides for PET imaging of metabotropic glutamate receptor 2. <i>Theranostics</i> , <b>2020</b> , 10, 11178-11196	12.1	5

26	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> , <b>2020</b> , 30, 127513 <sup>2,9</sup>		1
25	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> , <b>2020</b> , 63, 11469-11483	8.3	2
24	Design, Synthesis, and Evaluation of F-Labeled Monoacylglycerol Lipase Inhibitors as Novel Positron Emission Tomography Probes. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 8866-8872	8.3	11
23	Synthesis and Preliminary Evaluations of a Triazole-Cored Antagonist as a PET Imaging Probe ([F]N2B-0518) for GluN2B Subunit in the Brain. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 2263-2275	5.7	7
22	Development of Cyanopyrazoles as Building Blocks to Fungicide Fluxapyroxad and Analogues. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 7148-7158	4.2	8
21	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> , <b>2019</b> , 62, 3336-3353	8.3	18
20	Silver-Catalyzed [3 + 3] Dipolar Cycloaddition of Trifluorodiazaoethane and Glycine Imines: Access to Highly Functionalized Trifluoromethyl-Substituted Triazines and Pyridines. <i>ACS Catalysis</i> , <b>2019</b> , 9, 4600-4608	13.1	35
19	[F]Ethenesulfonyl Fluoride as a Practical Radiofluoride Relay Reagent. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 7613-7617	4.8	13
18	PET imaging of EGFR expression using an F-labeled RNA aptamer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2019</b> , 46, 948-956	8.8	16
17	Positron Emission Tomography (PET) Ligand Development for Ionotropic Glutamate Receptors: Challenges and Opportunities for Radiotracer Targeting N-Methyl-d-aspartate (NMDA), $\alpha$ -Amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid (AMPA), and Kainate Receptors. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 403-419	8.3	28
16	Catalytic alkylation of unactivated C(sp)-H bonds for C(sp)-C(sp) bond formation. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 4921-4942	58.5	103
15	Synthesis and Preliminary Evaluation of [C]GNE-1023 as a Potent PET Probe for Imaging Leucine-Rich Repeat Kinase 2 (LRRK2) in Parkinson's Disease. <i>ChemMedChem</i> , <b>2019</b> , 14, 1580-1585	3.7	7
14	Synthesis and Preliminary Evaluation of C-Labeled VU0467485/AZ13713945 and Its Analogues for Imaging Muscarinic Acetylcholine Receptor Subtype 4. <i>ChemMedChem</i> , <b>2019</b> , 14, 303-309	3.7	4
13	In Vitro and in Vivo Evaluation of C-Labeled Azetidincarboxylates for Imaging Monoacylglycerol Lipase by PET Imaging Studies. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 2278-2291	8.3	29
12	Metal Protein-Attenuating Compound for PET Neuroimaging: Synthesis and Preclinical Evaluation of [C]PBT2. <i>Molecular Pharmaceutics</i> , <b>2018</b> , 15, 695-702	5.6	7
11	Transition-Metal-Free [3 + 2] Cycloaddition of Nitroolefins and Diazoacetonitrile: A Facile Access to Multisubstituted Cyanopyrazoles. <i>Organic Letters</i> , <b>2018</b> , 20, 2120-2124	6.2	24
10	A Study of Preoperative Autologous Blood Donation Timing. <i>Indian Journal of Hematology and Blood Transfusion</i> , <b>2018</b> , 34, 138-142	0.7	2
9	Ru-Photoredox-Catalyzed Decarboxylative Oxygenation of Aliphatic Carboxylic Acids through N-(acyloxy)phthalimide. <i>Organic Letters</i> , <b>2018</b> , 20, 4824-4827	6.2	28

8	Direct Regioselective [3 + 2] Cycloaddition Reactions of Masked Difluorodiazaoethane with Electron-Deficient Alkynes and Alkenes: Synthesis of Difluoromethyl-Substituted Pyrazoles. <i>Organic Letters</i> , <b>2018</b> , 20, 4562-4565	6.2	34
7	Synthesis, pharmacology and preclinical evaluation of C-labeled 1,3-dihydro-2H-benzo[d]imidazole-2-ones for imaging $\beta$ -dependent transmembrane AMPA receptor regulatory protein. <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 157, 898-908	6.8	11
6	Application of Component Apheresis in Pre-deposited Autotransfusion. <i>Annals of Clinical and Laboratory Science</i> , <b>2018</b> , 48, 634-638	0.9	1
5	Use of a Traceless Activating and Directing Group for the Construction of Trifluoromethylpyrazoles: One-Pot Transformation of Nitroolefins and Trifluorodiazaoethane. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 4640-4645	3.6	19
4	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> , <b>2017</b> , 56, 4569-4574	16.4	76
3	Silver-catalyzed regioselective [3+2] cycloaddition of arene-diazonium salts with 2,2,2-trifluorodiazaoethane (CF <sub>3</sub> CHN <sub>2</sub> ): a facile access to 2-aryl-5-trifluoromethyltetrazoles. <i>Chemical Communications</i> , <b>2015</b> , 51, 16545-8	5.8	61
2	Copper-catalyzed one-pot denitrogenative-dehydrogenative-decarboxylative coupling of $\alpha$ -ketoacids with trifluorodiazaoethane: facile access to trifluoromethylated aldol products. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 8325-9	4.8	59
1	Solution Crystallization of Vanillin in the Presence of a Liquid-Liquid Phase Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 14646-14652	3.9	33