Dong Zhou

List of Publications by Year
in descending order

24 papers	755 citations	567281 15 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	977 citing authors

#	Article	IF	Citations
1	Synthesis, radiolabeling, and in vivo evaluation of an 18F-labeled isatin analog for imaging caspase-3 activation in apoptosis. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 5041-5046.	2.2	116
2	Design, Synthesis, and Characterization of 3-(Benzylidene)indolin-2-one Derivatives as Ligands for Î±-Synuclein Fibrils. Journal of Medicinal Chemistry, 2015, 58, 6002-6017.	6.4	92
3	[18F]- and [11C]-Labeled N-benzyl-isatin sulfonamide analogues as PET tracers for Apoptosis: synthesis, radiolabeling mechanism, and in vivo imaging study of apoptosis in Fas-treated mice using [11C]WC-98. Organic and Biomolecular Chemistry, 2009, 7, 1337.	2.8	69
4	Synthesis, [18F] radiolabeling, and evaluation of poly (ADP-ribose) polymerase-1 (PARP-1) inhibitors for in vivo imaging of PARP-1 using positron emission tomography. Bioorganic and Medicinal Chemistry, 2014, 22, 1700-1707.	3.0	64
5	PET of Poly (ADP-Ribose) Polymerase Activity in Cancer: Preclinical Assessment and First In-Human Studies. Radiology, 2017, 282, 453-463.	7.3	57
6	Design and Synthesis of 2-Amino-4-methylpyridine Analogues as Inhibitors for Inducible Nitric Oxide Synthase and in Vivo Evaluation of [¹⁸F]6-(2-Fluoropropyl)-4-methyl-pyridin-2-amine as a Potential PET Tracer for Inducible Nitric Oxide Synthase. Journal of Medicinal Chemistry, 2009, 52, 2443-2453.	6.4	48
7	Imaging Pulmonary Inducible Nitric Oxide Synthase Expression with PET. Journal of Nuclear Medicine, 2015, 56, 76-81.	5.0	41
8	Optimization of the preparation of fluorineâ€18â€labeled steroid receptor ligands 16alphaâ€[¹⁸F]fluoroestradiol (FES), [¹⁸F]fluoro furanyl norprogesterone (FFNP), and 16betaâ€[¹⁸F]fluoroâ€5alphaâ€dihydrotestosterone (FDHT) as radiopharmaceuticals. Journal of Labelled Compounds and Radiopharmaceuticals, 2014, 57, 371-377.	1.0	32
9	Longitudinal Noninvasive Imaging of Progesterone Receptor as a Predictive Biomarker of Tumor Responsiveness to Estrogen Deprivation Therapy. Clinical Cancer Research, 2015, 21, 1063-1070.	7.0	31
10	Preliminary evaluation of a novel 18F-labeled PARP-1 ligand for PET imaging of PARP-1 expression in prostate cancer. Nuclear Medicine and Biology, 2018, 66, 26-31.	0.6	29
11	Copper-mediated nucleophilic radiobromination of aryl boron precursors: Convenient preparation of a radiobrominated PARP-1 inhibitor. Tetrahedron Letters, 2018, 59, 1963-1967.	1.4	24
12	Bromine- and Iodine-Substituted 16Î±,17Î±-Dioxolane Progestins for Breast Tumor Imaging and Radiotherapy:â€‰ Synthesis and Receptor Binding Affinity. Journal of Medicinal Chemistry, 2006, 49, 4737-4744.	6.4	22
13	Highly efficient click labeling using 2-[18F]fluoroethyl azide and synthesis of an 18FN-hydroxysuccinimide ester as conjugation agent. Nuclear Medicine and Biology, 2012, 39, 1175-1181.	0.6	20
14	Radiosynthesis and Evaluation of Talazoparib and Its Derivatives as PARP-1-Targeting Agents. Biomedicines, 2021, 9, 565.	3.2	18
15	Facile purification and click labeling with 2-[18F]fluoroethyl azide using solid phase extraction cartridges. Tetrahedron Letters, 2015, 56, 952-954.	1.4	17
16	Evaluation of a bromine-76-labeled progestin 16Î±,17Î±-dioxolane for breast tumor imaging and radiotherapy: in vivo biodistribution and metabolic stability studies. Nuclear Medicine and Biology, 2008, 35, 655-663.	0.6	16
17	Evaluation of aromatic radiobromination by nucleophilic substitution using diaryliodonium salt precursors. Journal of Labelled Compounds and Radiopharmaceuticals, 2017, 60, 450-456.	1.0	15
18	Bromination from the Macroscopic Level to the Tracer Radiochemical Level:76Br Radiolabeling of Aromatic Compounds via Electrophilic Substitution. Bioconjugate Chemistry, 2009, 20, 808-816.	3.6	14

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19	PET imaging of in vivo caspase-3/7 activity following myocardial ischemia-reperfusion injury with the radiolabeled isatin sulfonamide analogue [(18)F]WC-4-116. American Journal of Nuclear Medicine and Molecular Imaging, 2016, 6, 110-9.	1.0	11
20	Utilizing electrostatic interactions to facilitate F-18 radiolabeling of poly(amido)amine (PAMAM) dendrimers. Organic and Biomolecular Chemistry, 2014, 12, 8696-8701.	2.8	9
21	Radiolabeled 6-(2, 3-Dichlorophenyl)-N4-methylpyrimidine-2, 4-diamine (TH287): A Potential Radiotracer for Measuring and Imaging MTH1. International Journal of Molecular Sciences, 2020, 21, 8860.	4.1	3
22	A simple method to generate [18F]triflyl fluoride for 18F radiosynthesis. Tetrahedron Letters, 2021, 78, 153273.	1.4	3
23	Exploration of alcoholâ€enhanced Cuâ€mediated radiofluorination toward practical labeling. Journal of Labelled Compounds and Radiopharmaceuticals, 2022, 65, 13-20.	1.0	3
24	Determination of molar activity of [18F]fluoride by HPLC via sulfonyl derivatization. Applied Radiation and Isotopes, 2021, 176, 109865.	1.5	1