

Graham Smith

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,157
citations

331670

21
h-index

377865

34
g-index

38
all docs

38
docs citations

38
times ranked

1486
citing authors

#	ARTICLE	IF	CITATIONS
1	Positron emission tomography imaging of drug-induced tumor apoptosis with a caspase-3/7 specific [¹⁸ F]-labeled isatin sulfonamide. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16375-16380.	7.1	157
2	Design, Synthesis, and Biological Characterization of a Caspase 3/7 Selective Isatin Labeled with 2-[¹⁸ F]fluoroethylazide. Journal of Medicinal Chemistry, 2008, 51, 8057-8067.	6.4	126
3	Efficient [¹⁸ F]AlF Radiolabeling of ZHER3:8698 Affibody Molecule for Imaging of HER3 Positive Tumors. Bioconjugate Chemistry, 2016, 27, 1839-1849.	3.6	62
4	Evaluation of Deuterated ¹⁸ F- and ¹¹ C-Labeled Choline Analogs for Cancer Detection by Positron Emission Tomography. Clinical Cancer Research, 2012, 18, 1063-1072.	7.0	58
5	Imaging apoptosis with positron emission tomography: â€˜Bench to bedsideâ€™™ development of the caspase-3/7 specific radiotracer [¹⁸ F]ICMT-11. European Journal of Cancer, 2012, 48, 432-440.	2.8	56
6	Metal-based imaging agents: progress towards interrogating neurodegenerative disease. Chemical Society Reviews, 2020, 49, 2886-2915.	38.1	56
7	Development of a new epidermal growth factor receptor positron emission tomography imaging agent based on the 3-cyanoquinoline core: Synthesis and biological evaluation. Bioorganic and Medicinal Chemistry, 2010, 18, 6634-6645.	3.0	49
8	Temporal and Spatial Evolution of Therapy-Induced Tumor Apoptosis Detected by Caspase-3â€™ Selective Molecular Imaging. Clinical Cancer Research, 2013, 19, 3914-3924.	7.0	48
9	Noninvasive imaging of cell proliferation following mitogenic extracellular kinase inhibition by PD0325901. Molecular Cancer Therapeutics, 2008, 7, 3112-3121.	4.1	43
10	[¹⁸ F]Fluoromethyl-[1,2- ² H ₄]-Choline: A Novel Radiotracer for Imaging Choline Metabolism in Tumors by Positron Emission Tomography. Cancer Research, 2009, 69, 7721-7728.	0.9	37
11	Radiosynthesis and pre-clinical evaluation of [¹⁸ F]fluoro-[1,2- ² H ₄]choline. Nuclear Medicine and Biology, 2011, 38, 39-51.	0.6	37
12	Evaluation of DFO-HOPO as an octadentate chelator for zirconium-89. Chemical Communications, 2017, 53, 8529-8532.	4.1	36
13	New Frontiers in the Design and Synthesis of Imaging Probes for PET Oncology: Current Challenges and Future Directions. Molecular Imaging and Biology, 2012, 14, 653-666.	2.6	35
14	Copper-free clickâ€™ a promising tool for pre-targeted PET imaging. Chemical Communications, 2012, 48, 991-993.	4.1	35
15	Automated GMP Synthesis of [¹⁸ F]ICMT-11 for In Vivo Imaging of Caspase-3 Activity. Nuclear Medicine and Biology, 2012, 39, 1000-1005.	0.6	32
16	Imaging COXâ€™ expression in cancer using PET/SPECT radioligands: current status and future directions. Journal of Labelled Compounds and Radiopharmaceuticals, 2014, 57, 317-322.	1.0	32
17	Improved radiosynthesis of the apoptosis marker ¹⁸ F-ICMT11 including biological evaluation. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6945-6949.	2.2	30
18	Carbonâ€™ ¹¹ Radiolabelling of Organosulfur Compounds: ¹¹ C Synthesis of the Progesterone Receptor Agonist Tanaproget. Chemistry - A European Journal, 2015, 21, 9034-9038.	3.3	25

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19	HER3-Mediated Resistance to Hsp90 Inhibition Detected in Breast Cancer Xenografts by Affibody-Based PET Imaging. <i>Clinical Cancer Research</i> , 2018, 24, 1853-1865.	7.0	24
20	A general [¹⁸ F]AIF radiochemistry procedure on two automated synthesis platforms. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 68-74.	3.7	23
21	Development of a cyclin-dependent kinase inhibitor devoid of ABC transporter-dependent drug resistance. <i>British Journal of Cancer</i> , 2013, 109, 2356-2367.	6.4	22
22	Translational Imaging of Apoptosis. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2009, 9, 958-967.	1.7	17
23	Synthesis and evaluation of nucleoside radiotracers for imaging proliferation. <i>Nuclear Medicine and Biology</i> , 2012, 39, 652-665.	0.6	16
24	An alternative synthesis of Vandetanib (Caprelsa®, C) via a microwave accelerated Dimroth rearrangement. <i>Tetrahedron Letters</i> , 2017, 58, 1467-1469.	1.4	15
25	PET Imaging of Steroid Hormone Receptor Expression. <i>Molecular Imaging</i> , 2015, 14, 7290.2015.00026.	1.4	13
26	Synthesis of a benzoxazinthione derivative of tanaproget and pharmacological evaluation for PET imaging of PR expression. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2019, 4, 1.	3.9	10
27	Thiol-Reactive PODS-Bearing Bifunctional Chelators for the Development of EGFR-Targeting [¹⁸ F]AIF-Affibody Conjugates. <i>Molecules</i> , 2020, 25, 1562.	3.8	10
28	Synthesis and application of a thiol-reactive HBED-type chelator for development of easy-to-produce Ga-radiopharmaceutical kits and imaging probes. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1722-1726.	2.8	10
29	Development of [¹⁸ F]ICMT-11 for Imaging Caspase-3/7 Activity during Therapy-Induced Apoptosis. <i>Cancers</i> , 2020, 12, 2191.	3.7	9
30	Design, synthesis and initial characterisation of a radiolabelled [¹⁸ F]pyrimidoindolone probe for detecting activated caspase-3/7. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5418-5423.	2.8	8
31	Synthesis and pre-clinical evaluation of a [¹⁸ F]fluoromethyl-tanaproget derivative for imaging of progesterone receptor expression. <i>RSC Advances</i> , 2016, 6, 57569-57579.	3.6	8
32	Radiosynthesis of the anticancer nucleoside analogue Trifluridine using an automated ¹⁸ F-trifluoromethylation procedure. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2986-2996.	2.8	6
33	Antibody Specificity for HLA* in Human Myeloma Sera and Immune Rabbit Sera. <i>Tissue Antigens</i> , 1974, 4, 595-600.	1.0	5
34	A practical microwave method for the synthesis of fluoromethyl 4-methylbenzenesulfonate in tert-amyl alcohol. <i>Tetrahedron Letters</i> , 2018, 59, 1635-1637.	1.4	3
35	Pharmacokinetics of citalopram after IV infusion. <i>Clinical Pharmacology and Therapeutics</i> , 2003, 73, P71-P71.	4.7	2
36	Identification of ABC Transporter Interaction of a Novel Cyanoquinoline Radiotracer and Implications for Tumour Imaging by Positron Emission Tomography. <i>PLoS ONE</i> , 2016, 11, e0161427.	2.5	2

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37	Outcome of nonmem analysis depends on modeling strategy. <i>Clinical Pharmacology and Therapeutics</i> , 2003, 73, P52-P52.	4.7	0