Mian M Alauddin

List of Publications by Year
in descending order

48	1,846	304743 22	265206 42
papers	citations	h-index	g-index

48	48	48	1652
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Hybrid Vector for Ligand-Directed Tumor Targeting and Molecular Imaging. Cell, 2006, 125, 385-398.	28.9	242
2	Comparison of radiolabeled nucleoside probes (FIAU, FHBG, and FHPG) for PET imaging of HSV1-tk gene expression. Journal of Nuclear Medicine, 2002, 43, 1072-83.	5.0	195
3	Synthesis of 2â€²-fluoro-5-[11C]-methyl-1-Î²-d-arabinofuranosyluracil ([11C]-FMAU): A potential nucleoside analog for in vivo study of cellular proliferation with PET. Nuclear Medicine and Biology, 1995, 22, 783-789.	0.6	121
4	Positron emission tomography (PET) imaging with (18)F-based radiotracers. American Journal of Nuclear Medicine and Molecular Imaging, 2012, 2, 55-76.	1.0	95
5	A Human-Derived Reporter Gene for Noninvasive Imaging in Humans: Mitochondrial Thymidine Kinase Type 2. Journal of Nuclear Medicine, 2007, 48, 819-826.	5.0	93
6	Molecular imaging of active mutant L858R EGF receptor (EGFR) kinase-expressing nonsmall cell lung carcinomas using PET/CT. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1603-1608.	7.1	89
7	Early Detection of Chemoradioresponse in Esophageal Carcinoma by 3â€²-Deoxy-3â€²-3H-Fluorothymidine Using Preclinical Tumor Models. Clinical Cancer Research, 2006, 12, 4590-4597.	7.0	80
8	Synthesis of [18F]-labeled 2?-deoxy-2?-fluoro-5-methyl-1-?-D-arabinofuranosyluracil ([18F]-FMAU). Journal of Labelled Compounds and Radiopharmaceuticals, 2002, 45, 583-590.	1.0	73
9	A preclinical model for predicting drug response in soft-tissue sarcoma with targeted AAVP molecular imaging. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4471-4476.	7.1	72
10	Molecular PET imaging of HSV1-tk reporter gene expression using [18F]FEAU. Nature Protocols, 2007, 2, 416-423.	12.0	67
11	Direct Comparison of Radiolabeled Probes FMAU, FHBG, and FHPG as PET Imaging Agents for HSV1-tk Expression in a Human Breast Cancer Model. Molecular Imaging, 2004, 3, 76-84.	1.4	51
12	In vivo evaluation of 2â€²-deoxy-2â€²-[18F]fluoro-5-iodo-1-Î²-D-arabinofuranosyluracil ([18F]FIAU) and 2â€²-deoxy-2â€²-[18F]fluoro-5-ethyl-1-Î²-D-arabinofuranosyluracil ([18F]FEAU) as markers for suicide gene expression. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 822-829.	6.4	48
13	A general synthesis of 2?-deoxy-2?-[18F]fluoro-1-?-D-arabinofuranosyluracil and its 5-substituted nucleosides. Journal of Labelled Compounds and Radiopharmaceuticals, 2003, 46, 285-289.	1.0	46
14	Receptor mediated uptake of a radiolabeled contrast agent sensitive to Î²-galactosidase activity. Nuclear Medicine and Biology, 2003, 30, 261-265.	0.6	38
15	Pharmacokinetics of the thymidine analog 2â€²-fluoro-5-methyl-1-Î²-d-arabinofuranosyluracil (FMAU) in tumor-bearing rats. Nuclear Medicine and Biology, 2004, 31, 407-418.	0.6	34
16	Evaluation of 2â€²-deoxy-2â€²-[18F]fluoro-5-methyl-1-Î²-l-arabinofuranosyluracil ([18F]-l-FMAU) as a PET imaging agent for cellular proliferation: comparison with [18F]-d-FMAU and [18F]FLT. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 990-998.	6.4	34
17	Synthesis and preliminary evaluation of [18F]-labeled 2-oxoquinoline derivatives for PET imaging of cannabinoid CB2 receptor. Nuclear Medicine and Biology, 2012, 39, 593-600.	0.6	34
18	Synthesis and evaluation of 2'-deoxy-2'-18F-fluoro-5-fluoro-1-beta-D-arabinofuranosyluracil as a potential PET imaging agent for suicide gene expression. Journal of Nuclear Medicine, 2004, 45, 2063-9.	5.0	32

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19	High performance liquid chromatography of Carbon-11 labeled thymidine and its major catabolites for clinical PET studies. Nuclear Medicine and Biology, 1994, 21, 1045-1051.	0.6	30
20	Fluorinated cannabinoid CB2 receptor ligands: Synthesis and in vitro binding characteristics of 2-oxoquinoline derivatives. Bioorganic and Medicinal Chemistry, 2011, 19, 5698-5707.	3.0	30
21	Synthesis of 2â€²-deoxy-2â€²-[18F]fluoro-5-bromo-1-Î²-D-arabinofuranosyluracil ([18F]-FBAU) and 2â€²-deoxy-2â€²-[18F]fluoro-5-chloro-1-Î²-D-arabinofuranosyl-uracil ([18F]-FCAU), and their biological evaluation as markers for gene expression. Nuclear Medicine and Biology, 2004, 31, 399-405.	0.6	27
22	A fully automated synthesis of [¹⁸F]â€FEAU and [¹⁸F]â€FMAU using a novel dual reactor radiosynthesis module. Journal of Labelled Compounds and Radiopharmaceuticals, 2009, 52, 553-558.	1.0	23
23	Selective alkylation of pyrimidyl dianions II: synthesis, characterization, and comparative reactivity of 3â€², 5â€²-o-bis- tetrahydropyranyl, trimethylsilyl and tert-butyldimethylsilyl derivatives of 5-bromo-2â€²-deoxyuridine. Tetrahedron, 1994, 50, 1699-1706.	1.9	20
24	Radiolabeled Nucleoside Analogues for PET Imaging of HSV1-tk Gene Expression. Current Topics in Medicinal Chemistry, 2010, 10, 1617-1632.	2.1	20
25	Synthesis of [18F]-labeled adenosine analogues as potential PET imaging agents. Journal of Labelled Compounds and Radiopharmaceuticals, 2003, 46, 805-814.	1.0	19
26	Detection of Pancreatic Carcinomas by Imaging Lactose-Binding Protein Expression in Peritumoral Pancreas Using [18F]Fluoroethyl-Deoxylactose PET/CT. PLoS ONE, 2009, 4, e7977.	2.5	19
27	Imatinib analogs as potential agents for PET imaging of Bcr-Abl and c-KIT expression at a kinase level. Bioorganic and Medicinal Chemistry, 2014, 22, 623-632.	3.0	16
28	Expedient synthesis of [18F]-labeled ?-trifluoromethyl ketones. Journal of Labelled Compounds and Radiopharmaceuticals, 2003, 46, 1087-1092.	1.0	14
29	N3-Substituted thymidine analogues V: Synthesis and preliminary PET imaging of N3-[18F]fluoroethyl thymidine and N3-[18F]fluoropropyl thymidine. Nuclear Medicine and Biology, 2008, 35, 697-705.	0.6	14
30	A novel method for stereospecific fluorination at the 2â€²â€arabinoâ€position of pyrimidine nucleoside: synthesis of [¹⁸F]â€FMAU. Journal of Labelled Compounds and Radiopharmaceuticals, 2010, 53, 782-786.	1.0	14
31	Current and Future Trends in Early Detection of Pancreatic Cancer: Molecular Targets and PET Probes. Current Medicinal Chemistry, 2015, 22, 3370-3389.	2.4	14
32	Novel derivatives of anaplastic lymphoma kinase inhibitors: Synthesis, radiolabeling, and preliminary biological studies of fluoroethyl analogues of crizotinib, alectinib, and ceritinib. European Journal of Medicinal Chemistry, 2019, 182, 111571.	5.5	13
33	Biodistribution and PET imaging of [18F]-fluoroadenosine derivatives. Nuclear Medicine and Biology, 2007, 34, 267-272.	0.6	12
34	Nucleosideâ€based probes for imaging tumor proliferation using positron emission tomography. Journal of Labelled Compounds and Radiopharmaceuticals, 2013, 56, 237-243.	1.0	12
35	Radiosynthesis of N5-[18F]fluoroacetylornithine (N5-[18F]FAO) for PET imaging of ornithine decarboxylase (ODC) in malignant tumors. Journal of Labelled Compounds and Radiopharmaceuticals, 2011, 54, 33-37.	1.0	11
36	Synthesis of [18F]-labeled N-3(substituted) thymidine analogues: N-3([18F]fluorobutyl) thymidine ([18F]-FBT) and N-3([18F]fluoropentyl) thymidine ([18F]-FPT) for PET. Journal of Labelled Compounds and Radiopharmaceuticals, 2006, 49, 1079-1088.	1.0	10

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37	Radiosynthesis of 2â€²-deoxy-2â€²-[18F]-fluoro-5-methyl-1-Î²-l-arabinofuranosyluracil ([18F]-l-FMAU) for PET. Applied Radiation and Isotopes, 2007, 65, 941-946.	1.5	10
38	Synthesis and Ex Vivo Autoradiographic Evaluation of Ethyl-Î²-d-galactopyranosyl-(1,4â€²)-2â€²-deoxy-2â€²-[18F]fluoro-Î²-d-glucopyranosideâ€"A Novel Radioligand for Lactose-Binding Protein: Implications for Early Detection of Pancreatic Carcinomas with PET. Molecular Imaging and Biology, 2011, 13, 536-546.	2.6	10
39	Synthesis of a [¹⁸F]â€labeled ceritinib analogue for positron emission tomography of anaplastic lymphoma kinase, a receptor tyrosine kinase, in lung cancer. Journal of Labelled Compounds and Radiopharmaceuticals, 2016, 59, 103-108.	1.0	9
40	Advances in Immuno-PET for the Detection of Cancer and Assessment of Response to Therapy. Current Medicinal Chemistry, 2021, 28, 647-672.	2.4	9
41	Improved detection and measurement of low levels of [18F]fluoride metabolized from [18F]-labeled pyrimidine nucleoside analogues in biological samples. Nuclear Medicine and Biology, 2011, 38, 1129-1134.	0.6	8
42	Radiosynthesis of 1â€²-[18F]fluoroethyl-Î²-D-lactose ([18F]-FEL) for early detection of pancreatic carcinomas with PET. Journal of Labelled Compounds and Radiopharmaceuticals, 2011, 54, 233-238.	1.0	8
43	Selective alkylation of pyrimidyl dianions III: No-carrier-added synthesis of [11C-methyl]-thymidine. Nuclear Medicine and Biology, 1995, 22, 791-794.	0.6	7
44	Preliminary evaluation of 1â€²-[18F]fluoroethyl-Î²-D-lactose ([18F]FEL) for detection of pancreatic cancer in nude mouse orthotopic xenografts. Nuclear Medicine and Biology, 2014, 41, 833-840.	0.6	6
45	N³â€Substituted thymidine analogues III: radiosynthesis of N³â€[(4â€[¹⁸F]fluoromethylâ€phenyl)butyl]thymidine ([¹⁸F]â€FMPBT) and N³â€[(4â€[¹⁸F]fluoromethylâ€phenyl)pentyl] thymidine ([¹⁸F]â€FMPPT) for PET. Journal of Labelled Compounds and Radiopharmaceuticals, 2007, 50, 1185-1191.	1.0	5
46	An improved synthesis of 1â€²-[18F]fluoroethyl-Î²-d-lactose ([18F]-FEL) for positron emission tomography imaging of pancreatic cancer. Journal of Labelled Compounds and Radiopharmaceuticals, 2013, 56, 351-355.	1.0	5
47	An investigation on stereospecific fluorination at the 2â€²-arabino-position of a pyrimidine nucleoside: radiosynthesis of 2â€²-deoxy-2â€²-[18F]fluoro-5-methyl-1-Î²-d-arabinofuranosyluracil. Tetrahedron, 2012, 68, 10326-10332.	1.9	4
48	Optimization of precursor synthesis, formulation and stability of 1â€²-[18F]fluoroethyl-Î²-D-lactose ([18F]FEL) for preclinical studies in detection of pancreatic cancer. Nuclear Medicine and Biology, 2014, 41, 364-370.	0.6	3