Darpan N Pandya

List of Publications by Year
in descending order

32 papers	991 citations	430874 18 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	1186 citing authors

#	Article	IF	Citations
1	Zirconium tetraazamacrocycle complexes display extraordinary stability and provide a new strategy for zirconium-89-based radiopharmaceutical development. Chemical Science, 2017, 8, 2309-2314.	7.4	87
2	Recent Advances in Zirconium-89 Chelator Development. Molecules, 2018, 23, 638.	3.8	84
3	Development of Targeted Alpha Particle Therapy for Solid Tumors. Molecules, 2019, 24, 4314.	3.8	82
4	Preliminary Therapy Evaluation of ²²⁵Ac-DOTA-c(RGDyK) Demonstrates that Cerenkov Radiation Derived from ²²⁵Ac Daughter Decay Can Be Detected by Optical Imaging for <i>In Vivo</i> Tumor Visualization. Theranostics, 2016, 6, 698-709.	10.0	63
5	Molecular Targeted Î±-Particle Therapy for Oncologic Applications. American Journal of Roentgenology, 2014, 203, 253-260.	2.2	62
6	IL13RA2 targeted alpha particle therapy against glioblastomas. Oncotarget, 2017, 8, 42997-43007.	1.8	55
7	Revival of TE2A; a better chelate for Cu(II) ions than TETA?. Chemical Communications, 2010, 46, 3517.	4.1	53
8	Evaluation of a 3-hydroxypyridin-2-one (2,3-HOPO) Based Macrocyclic Chelator for 89Zr4+ and Its Use for ImmunoPET Imaging of HER2 Positive Model of Ovarian Carcinoma in Mice. Theranostics, 2016, 6, 511-521.	10.0	49
9	Di-macrocyclic terephthalamide ligands as chelators for the PET radionuclide zirconium-89. Chemical Communications, 2015, 51, 2301-2303.	4.1	41
10	New Macrobicyclic Chelator for the Development of Ultrastable ⁶⁴Cu-Radiolabeled Bioconjugate. Bioconjugate Chemistry, 2012, 23, 330-335.	3.6	36
11	Melanocortin 1 Receptorâ€"Targeted Î±-Particle Therapy for Metastatic Uveal Melanoma. Journal of Nuclear Medicine, 2019, 60, 1124-1133.	5.0	31
12	Alpha Particle Enhanced Blood Brain/Tumor Barrier Permeabilization in Glioblastomas Using Integrin Alpha-v Beta-3â€"Targeted Liposomes. Molecular Cancer Therapeutics, 2017, 16, 2191-2200.	4.1	28
13	Synthesis and Evaluation of New Generation Cross-Bridged Bifunctional Chelator for ⁶⁴Cu Radiotracers. Inorganic Chemistry, 2015, 54, 8177-8186.	4.0	26
14	Preclinical evaluation of [225Ac]Ac-DOTA-TATE for treatment of lung neuroendocrine neoplasms. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 3408-3421.	6.4	24
15	New Bifunctional Chelator for ⁶⁴Cu-Immuno-Positron Emission Tomography. Bioconjugate Chemistry, 2013, 24, 1356-1366.	3.6	23
16	Non-Cross-Bridged Tetraazamacrocyclic Chelator for Stable ⁶⁴Cu-Based Radiopharmaceuticals. ACS Medicinal Chemistry Letters, 2013, 4, 927-931.	2.8	21
17	Vivid Tumor Imaging Utilizing Liposome-Carried Bimodal Radiotracer. ACS Medicinal Chemistry Letters, 2014, 5, 390-394.	2.8	21
18	Imaging of Fibroblast Activation Protein Alpha Expression in a Preclinical Mouse Model of Glioma Using Positron Emission Tomography. Molecules, 2020, 25, 3672.	3.8	21

#	Article	IF	Citations
19	Imaging Strategy that Achieves Ultrahigh Contrast by Utilizing Differential Esterase Activity in Organs: Application in Early Detection of Pancreatic Cancer. ACS Nano, 2021, 15, 17348-17360.	14.6	21
20	Evaluation of macrocyclic hydroxyisophthalamide ligands as chelators for zirconium-89. PLoS ONE, 2017, 12, e0178767.	2.5	21
21	Propylene Cross-Bridged Macrocyclic Bifunctional Chelator: A New Design for Facile Bioconjugation and Robust ⁶⁴Cu Complex Stability. Journal of Medicinal Chemistry, 2014, 57, 7234-7243.	6.4	19
22	High in Vivo Stability of ⁶⁴Cu-Labeled Cross-Bridged Chelators Is a Crucial Factor in Improved Tumor Imaging of RGD Peptide Conjugates. Journal of Medicinal Chemistry, 2018, 61, 385-395.	6.4	19
23	Longitudinal monitoring adipose-derived stem cell survival by PET imaging hexadecyl-4-124I-iodobenzoate in rat myocardial infarction model. Biochemical and Biophysical Research Communications, 2015, 456, 13-19.	2.1	17
24	A New Synthesis of TE2Aâ€"a Potential Bifunctional Chelator for 64Cu. Nuclear Medicine and Molecular Imaging, 2010, 44, 185-192.	1.0	15
25	⁸⁹Zr-Chloride Can Be Used for Immuno-PET Radiochemistry Without Loss of Antigen Reactivity In Vivo. Journal of Nuclear Medicine, 2019, 60, 696-701.	5.0	14
26	Polyazamacrocycle Ligands Facilitate ⁸⁹Zr Radiochemistry and Yield ⁸⁹Zr Complexes with Remarkable Stability. Inorganic Chemistry, 2020, 59, 17473-17487.	4.0	13
27	Phosphonate Pendant Armed Propylene Cross-Bridged Cyclam: Synthesis and Evaluation as a Chelator for Cu-64. ACS Medicinal Chemistry Letters, 2015, 6, 1162-1166.	2.8	12
28	A comprehensively revised strategy that improves the specific activity and long-term stability of clinically relevant89Zr-immuno-PET agents. Dalton Transactions, 2018, 47, 13214-13221.	3.3	11
29	Enhancing tissue permeability with MRI guided preclinical focused ultrasound system in rabbit muscle: From normal tissue to VX2 tumor. Journal of Controlled Release, 2017, 256, 1-8.	9.9	8
30	Practical Guidelines for Cerenkov Luminescence Imaging with Clinically Relevant Isotopes. Methods in Molecular Biology, 2018, 1790, 197-208.	0.9	6
31	Visualization and Quantification of Radiochemical Purity by Cerenkov Luminescence Imaging. Analytical Chemistry, 2018, 90, 8927-8935.	6.5	6
32	Radiopharmaceutical Quality Control Considerations for Accelerator-Produced Actinium Therapies. Cancer Biotherapy and Radiopharmaceuticals, 2022, 37, 355-363.	1.0	2