

Todd E Barnhart

List of Publications by Citations

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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.

186
papers

7,389
citations

47
h-index

80
g-index

197
ext. papers

8,521
ext. citations

8.1
avg, IF

5.82
L-index

#	Paper	IF	Citations
186	Iron oxide decorated MoS ₂ nanosheets with double PEGylation for chelator-free radiolabeling and multimodal imaging guided photothermal therapy. <i>ACS Nano</i> , 2015 , 9, 950-60	16.7	406
185	Non-invasive multimodal functional imaging of the intestine with frozen micellar naphthalocyanines. <i>Nature Nanotechnology</i> , 2014 , 9, 631-8	28.7	311
184	Theranostic Liposomes with Hypoxia-Activated Prodrug to Effectively Destruct Hypoxic Tumors Post-Photodynamic Therapy. <i>ACS Nano</i> , 2017 , 11, 927-937	16.7	281
183	In vivo tumor targeting and image-guided drug delivery with antibody-conjugated, radiolabeled mesoporous silica nanoparticles. <i>ACS Nano</i> , 2013 , 7, 9027-39	16.7	281
182	In vivo targeting and imaging of tumor vasculature with radiolabeled, antibody-conjugated nanographene. <i>ACS Nano</i> , 2012 , 6, 2361-70	16.7	279
181	Multifunctional unimolecular micelles for cancer-targeted drug delivery and positron emission tomography imaging. <i>Biomaterials</i> , 2012 , 33, 3071-82	15.6	205
180	FeSe-Decorated BiSe Nanosheets Fabricated via Cation Exchange for Chelator-Free Cu-labeling and Multimodal Image-Guided Photothermal-Radiation Therapy. <i>Advanced Functional Materials</i> , 2016 , 26, 2185-2197	15.6	193
179	In vivo targeting and positron emission tomography imaging of tumor vasculature with (66)Ga-labeled nano-graphene. <i>Biomaterials</i> , 2012 , 33, 4147-56	15.6	178
178	Engineering of hollow mesoporous silica nanoparticles for remarkably enhanced tumor active targeting efficacy. <i>Scientific Reports</i> , 2014 , 4, 5080	4.9	150
177	Tumor vasculature targeting and imaging in living mice with reduced graphene oxide. <i>Biomaterials</i> , 2013 , 34, 3002-9	15.6	131
176	Activatable Hybrid Nanotheranostics for Tetramodal Imaging and Synergistic Photothermal/Photodynamic Therapy. <i>Advanced Materials</i> , 2018 , 30, 1704367	24	129
175	Amyloid burden and neural function in people at risk for Alzheimer's Disease. <i>Neurobiology of Aging</i> , 2014 , 35, 576-84	5.6	117
174	In Vivo Integrity and Biological Fate of Chelator-Free Zirconium-89-Labeled Mesoporous Silica Nanoparticles. <i>ACS Nano</i> , 2015 , 9, 7950-9	16.7	116
173	Preclinical Pharmacokinetics and Biodistribution Studies of 89Zr-Labeled Pembrolizumab. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 162-168	8.9	110
172	Chelator-free synthesis of a dual-modality PET/MRI agent. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13319-23	16.4	108
171	Bioresponsive Polyoxometalate Cluster for Redox-Activated Photoacoustic Imaging-Guided Photothermal Cancer Therapy. <i>Nano Letters</i> , 2017 , 17, 3282-3289	11.5	107
170	In Vivo Characterization and Quantification of Neurofibrillary Tau PET Radioligand F-MK-6240 in Humans from Alzheimer Disease Dementia to Young Controls. <i>Journal of Nuclear Medicine</i> , 2019 , 60, 93-99	8.9	106

169	Cerenkov Radiation Induced Photodynamic Therapy Using Chlorin e6-Loaded Hollow Mesoporous Silica Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 26630-26637	9.5	102
168	Molybdenum-based nanoclusters act as antioxidants and ameliorate acute kidney injury in mice. <i>Nature Communications</i> , 2018 , 9, 5421	17.4	100
167	Magnetic Targeting of Nanotheranostics Enhances Cerenkov Radiation-Induced Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2018 , 140, 14971-14979	16.4	99
166	VEGF β -conjugated mesoporous silica nanoparticle: a tumor targeted drug delivery system. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21677-85	9.5	95
165	Associations between white matter microstructure and amyloid burden in preclinical Alzheimer's disease: A multimodal imaging investigation. <i>NeuroImage: Clinical</i> , 2014 , 4, 604-14	5.3	94
164	Positron emission tomography imaging of CD105 expression with a ⁶⁴ Cu-labeled monoclonal antibody: NOTA is superior to DOTA. <i>PLoS ONE</i> , 2011 , 6, e28005	3.7	93
163	Bacteria-like mesoporous silica-coated gold nanorods for positron emission tomography and photoacoustic imaging-guided chemo-photothermal combined therapy. <i>Biomaterials</i> , 2018 , 165, 56-65	15.6	90
162	Renal-Clearable PEGylated Porphyrin Nanoparticles for Image-guided Photodynamic Cancer Therapy. <i>Advanced Functional Materials</i> , 2017 , 27, 1702928	15.6	90
161	Image-guided and tumor-targeted drug delivery with radiolabeled unimolecular micelles. <i>Biomaterials</i> , 2013 , 34, 8323-8332	15.6	89
160	Dual-Modality Positron Emission Tomography/Optical Image-Guided Photodynamic Cancer Therapy with Chlorin e6-Containing Nanomicelles. <i>ACS Nano</i> , 2016 , 10, 7721-30	16.7	79
159	In vivo tumor vasculature targeted PET/NIRF imaging with TRC105(Fab)-conjugated, dual-labeled mesoporous silica nanoparticles. <i>Molecular Pharmaceutics</i> , 2014 , 11, 4007-14	5.6	78
158	Theranostic unimolecular micelles based on brush-shaped amphiphilic block copolymers for tumor-targeted drug delivery and positron emission tomography imaging. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21769-79	9.5	78
157	Ceria Nanoparticles Meet Hepatic Ischemia-Reperfusion Injury: The Perfect Imperfection. <i>Advanced Materials</i> , 2019 , 31, e1902956	24	76
156	Zr-labeled nivolumab for imaging of T-cell infiltration in a humanized murine model of lung cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 45, 110-120	8.8	73
155	Positron emission tomography imaging of CD105 expression during tumor angiogenesis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011 , 38, 1335-43	8.8	72
154	Hollow mesoporous silica nanoparticles for tumor vasculature targeting and PET image-guided drug delivery. <i>Nanomedicine</i> , 2015 , 10, 1233-46	5.6	71
153	(44)Sc: an attractive isotope for peptide-based PET imaging. <i>Molecular Pharmaceutics</i> , 2014 , 11, 2954-61	5.6	70
152	Positron emission tomography imaging of CD105 expression with ⁸⁹ Zr-Df-TRC105. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012 , 39, 138-48	8.8	70

151	^{52}Mn production for PET/MRI tracking of human stem cells expressing divalent metal transporter 1 (DMT1). <i>Theranostics</i> , 2015 , 5, 227-39	12.1	67
150	A Melanin-Based Natural Antioxidant Defense Nanosystem for Theranostic Application in Acute Kidney Injury. <i>Advanced Functional Materials</i> , 2019 , 29, 1904833	15.6	65
149	Reassembly of Zr-Labeled Cancer Cell Membranes into Multicompartment Membrane-Derived Liposomes for PET-Trackable Tumor-Targeted Theranostics. <i>Advanced Materials</i> , 2018 , 30, e1704934	24	63
148	VEGFR targeting leads to significantly enhanced tumor uptake of nanographene oxide in vivo. <i>Biomaterials</i> , 2015 , 39, 39-46	15.6	61
147	Engineering Intrinsically Zirconium-89 Radiolabeled Self-Destructing Mesoporous Silica Nanostructures for In Vivo Biodistribution and Tumor Targeting Studies. <i>Advanced Science</i> , 2016 , 3, 1600122	13.6	61
146	Novel Preparation Methods of (^{52}Mn) for ImmunoPET Imaging. <i>Bioconjugate Chemistry</i> , 2015 , 26, 2118-243	24	57
145	The effects of normal aging on amyloid- β deposition in nondemented adults with Down syndrome as imaged by carbon 11-labeled Pittsburgh compound B. <i>Alzheimer's and Dementia</i> , 2016 , 12, 380-90	1.2	55
144	Multimodality imaging of breast cancer experimental lung metastasis with bioluminescence and a monoclonal antibody dual-labeled with ^{89}Zr and IRDye 800CW. <i>Molecular Pharmaceutics</i> , 2012 , 9, 2339-49	5.6	55
143	Positron Emission Tomography and Near-Infrared Fluorescence Imaging of Vascular Endothelial Growth Factor with Dual-Labeled Bevacizumab. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2012 , 2, 1-13	2.2	54
142	Surfactant-Stripped Frozen Pheophytin Micelles for Multimodal Gut Imaging. <i>Advanced Materials</i> , 2016 , 28, 8524-8530	24	50
141	^{89}Zr radiochemistry for positron emission tomography. <i>Medicinal Chemistry</i> , 2011 , 7, 389-94	1.8	50
140	Selenium-Doped Carbon Quantum Dots Act as Broad-Spectrum Antioxidants for Acute Kidney Injury Management. <i>Advanced Science</i> , 2020 , 7, 2000420	13.6	48
139	CD146-targeted immunoPET and NIRF Imaging of Hepatocellular Carcinoma with a Dual-Labeled Monoclonal Antibody. <i>Theranostics</i> , 2016 , 6, 1918-33	12.1	46
138	A [^{17}F]-fluoromethane PET/TMS study of effective connectivity. <i>Brain Research Bulletin</i> , 2004 , 64, 103-13	3.9	45
137	In Vivo Comparison of Tau Radioligands F-THK-5351 and F-THK-5317. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 996-1002	8.9	43
136	Longitudinal changes in amyloid positron emission tomography and volumetric magnetic resonance imaging in the nondemented Down syndrome population. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017 , 9, 1-9	5.2	42
135	Immuno-PET of tissue factor in pancreatic cancer. <i>Journal of Nuclear Medicine</i> , 2012 , 53, 1748-54	8.9	40
134	Moderate-level prenatal alcohol exposure alters striatal dopamine system function in rhesus monkeys. <i>Alcoholism: Clinical and Experimental Research</i> , 2005 , 29, 1685-97	3.7	40

133	PET imaging of CD105/endoglin expression with a ^{64}Cu -labeled Fab antibody fragment. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013 , 40, 759-67	8.8	39
132	Chelator-Free Labeling of Layered Double Hydroxide Nanoparticles for in Vivo PET Imaging. <i>Scientific Reports</i> , 2015 , 5, 16930	4.9	39
131	Positron emission tomography and optical imaging of tumor CD105 expression with a dual-labeled monoclonal antibody. <i>Molecular Pharmaceutics</i> , 2012 , 9, 645-53	5.6	36
130	Paraquat is excluded by the blood brain barrier in rhesus macaque: An in vivo pet study. <i>Brain Research</i> , 2009 , 1259, 74-9	3.7	36
129	Cerebrospinal fluid ratios with A β 42 predict preclinical brain β -amyloid accumulation. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2016 , 2, 27-38	5.2	35
128	Deficient import of acetyl-CoA into the ER lumen causes neurodegeneration and propensity to infections, inflammation, and cancer. <i>Journal of Neuroscience</i> , 2014 , 34, 6772-89	6.6	35
127	ImmunoPET and near-infrared fluorescence imaging of CD105 expression using a monoclonal antibody dual-labeled with (89)Zr and IRDye 800CW. <i>American Journal of Translational Research (discontinued)</i> , 2012 , 4, 333-46	3	35
126	Intrinsic and Stable Conjugation of Thiolated Mesoporous Silica Nanoparticles with Radioarsenic. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6772-6781	9.5	34
125	High Yield Production and Radiochemical Isolation of Isotopically Pure Arsenic-72 and Novel Radioarsenic Labeling Strategies for the Development of Theranostic Radiopharmaceuticals. <i>Bioconjugate Chemistry</i> , 2016 , 27, 179-88	6.3	32
124	Positron emission tomography imaging of tumor angiogenesis with a ^{66}Ga -labeled monoclonal antibody. <i>Molecular Pharmaceutics</i> , 2012 , 9, 1441-8	5.6	32
123	Intrinsic radiolabeling of Titanium-45 using mesoporous silica nanoparticles. <i>Acta Pharmacologica Sinica</i> , 2017 , 38, 907-913	8	31
122	Aptamer-Conjugated Framework Nucleic Acids for the Repair of Cerebral Ischemia-Reperfusion Injury. <i>Nano Letters</i> , 2019 , 19, 7334-7341	11.5	31
121	Positron emission tomography imaging of tumor angiogenesis with a (61/64)Cu-labeled F(ab')(2) antibody fragment. <i>Molecular Pharmaceutics</i> , 2013 , 10, 709-16	5.6	29
120	CD146-Targeted Multimodal Image-Guided Photoimmunotherapy of Melanoma. <i>Advanced Science</i> , 2019 , 6, 1801237	13.6	28
119	PET radiometals for antibody labeling. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018 , 61, 636-651	1.9	27
118	Chelator-Free Labeling of Metal Oxide Nanostructures with Zirconium-89 for Positron Emission Tomography Imaging. <i>ACS Nano</i> , 2017 , 11, 12193-12201	16.7	27
117	Facile Preparation of Multifunctional WS /WO Nanodots for Chelator-Free Zr-Labeling and In Vivo PET Imaging. <i>Small</i> , 2016 , 12, 5750-5758	11	27
116	Photo-Enhanced Singlet Oxygen Generation of Prussian Blue-Based Nanocatalyst for Augmented Photodynamic Therapy. <i>iScience</i> , 2018 , 9, 14-26	6.1	27

115	Radiomanganese PET Detects Changes in Functional β -Cell Mass in Mouse Models of Diabetes. <i>Diabetes</i> , 2017 , 66, 2163-2174	0.9	26
114	Amyloid burden, cortical thickness, and cognitive function in the Wisconsin Registry for Alzheimer's Prevention. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2015 , 1, 160-169	5.2	26
113	Radiolabeled polyoxometalate clusters: Kidney dysfunction evaluation and tumor diagnosis by positron emission tomography imaging. <i>Biomaterials</i> , 2018 , 171, 144-152	15.6	26
112	Radiolabeled β Apeptides: a new class of tracers for positron emission tomography. <i>Chemical Communications</i> , 2012 , 48, 7850-2	5.8	26
111	Establishing Radiolanthanum Chemistry for Targeted Nuclear Medicine Applications. <i>Chemistry - A European Journal</i> , 2020 , 26, 1238-1242	4.8	24
110	Intrinsically Zirconium-89 Labeled Gd ₂ O ₃ :Eu Nanoprobes for In Vivo Positron Emission Tomography and Gamma-Ray-Induced Radioluminescence Imaging. <i>Small</i> , 2016 , 12, 2872-6	11	24
109	Amyloid duration is associated with preclinical cognitive decline and tau PET. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2020 , 12, e12007	5.2	23
108	Imaging tumor angiogenesis in breast cancer experimental lung metastasis with positron emission tomography, near-infrared fluorescence, and bioluminescence. <i>Angiogenesis</i> , 2013 , 16, 663-74	10.6	23
107	A tumor-targeted polymer theranostics platform for positron emission tomography and fluorescence imaging. <i>Nanoscale</i> , 2017 , 9, 10906-10918	7.7	23
106	Autologous transplant therapy alleviates motor and depressive behaviors in parkinsonian monkeys. <i>Nature Medicine</i> , 2021 , 27, 632-639	50.5	23
105	Size-Optimized Ultrasmall Porous Silica Nanoparticles Depict Vasculature-Based Differential Targeting in Triple Negative Breast Cancer. <i>Small</i> , 2019 , 15, e1903747	11	22
104	Positron emission tomography imaging of angiogenesis in a murine hindlimb ischemia model with ⁶⁴ Cu-labeled TRC105. <i>Molecular Pharmaceutics</i> , 2013 , 10, 2749-56	5.6	22
103	PET imaging of $\alpha 7$ nicotinic acetylcholine receptors: quantitative analysis of ¹⁸ F-nifene kinetics in the nonhuman primate. <i>Journal of Nuclear Medicine</i> , 2012 , 53, 1471-80	8.9	22
102	General synthesis of silica-based yolk/shell hybrid nanomaterials and tumor vasculature targeting. <i>Nano Research</i> , 2018 , 11, 4890-4904	10	21
101	Alzheimer-Like Pattern of Hypometabolism Emerges with Elevated Amyloid- β Burden in Down Syndrome. <i>Journal of Alzheimer's Disease</i> , 2018 , 61, 631-644	4.3	21
100	Amyloid burden, neuronal function, and cognitive decline in middle-aged adults at risk for Alzheimer's disease. <i>Journal of the International Neuropsychological Society</i> , 2014 , 20, 422-33	3.1	21
99	Serotonin transporter genotype affects serotonin 5-HT _{1A} binding in primates. <i>Journal of Neuroscience</i> , 2013 , 33, 2512-6	6.6	21
98	¹¹ C-(R)-PK11195 PET imaging of microglial activation and response to minocycline in zymosan-treated rats. <i>Journal of Nuclear Medicine</i> , 2011 , 52, 257-62	8.9	21

97	Noninvasive Imaging and Quantification of Radiotherapy-Induced PD-L1 Upregulation with Zr-DF-Atezolizumab. <i>Bioconjugate Chemistry</i> , 2019 , 30, 1434-1441	6.3	20
96	ImmunoPET Imaging of CD146 Expression in Malignant Brain Tumors. <i>Molecular Pharmaceutics</i> , 2016 , 13, 2563-70	5.6	20
95	Nonuniform cardiac denervation observed by ¹¹ C-meta-hydroxyephedrine PET in 6-OHDA-treated monkeys. <i>PLoS ONE</i> , 2012 , 7, e35371	3.7	20
94	HaloTag: a novel reporter gene for positron emission tomography. <i>American Journal of Translational Research (discontinued)</i> , 2011 , 3, 392-403	3	20
93	Prenatal stress induces increased striatal dopamine transporter binding in adult nonhuman primates. <i>Biological Psychiatry</i> , 2013 , 74, 502-10	7.9	19
92	Simplified and automatable radiochemical separation strategy for the production of radiopharmaceutical quality Y using single column extraction chromatography. <i>Applied Radiation and Isotopes</i> , 2018 , 142, 28-31	1.7	19
91	ImmunoPET imaging of CD38 in murine lymphoma models using Zr-labeled daratumumab. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 45, 1372-1381	8.8	18
90	HPMA-based star polymer biomaterials with tuneable structure and biodegradability tailored for advanced drug delivery to solid tumours. <i>Biomaterials</i> , 2020 , 235, 119728	15.6	18
89	CD38 as a PET Imaging Target in Lung Cancer. <i>Molecular Pharmaceutics</i> , 2017 , 14, 2400-2406	5.6	17
88	ImmunoPET for assessing the differential uptake of a CD146-specific monoclonal antibody in lung cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 43, 2169-2179	8.8	17
87	Preparation and in vivo characterization of MnCl as PET tracer of Ca channel-mediated transport. <i>Scientific Reports</i> , 2017 , 7, 3033	4.9	16
86	Initial investigation of three selective and potent small molecule oxytocin receptor PET ligands in New World monkeys. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 3370-3375	2.9	16
85	Moderate-level prenatal alcohol exposure induces sex differences in dopamine d1 receptor binding in adult rhesus monkeys. <i>Alcoholism: Clinical and Experimental Research</i> , 2014 , 38, 2934-43	3.7	16
84	[Sc(pypa)]: Thermodynamic Stability, Radiolabeling, and Biodistribution of a Prostate-Specific-Membrane-Antigen-Targeting Conjugate. <i>Inorganic Chemistry</i> , 2020 , 59, 1985-1995	5.1	15
83	An in vivo comparison of cis- and trans-[¹⁸ F]mefway in the nonhuman primate. <i>Nuclear Medicine and Biology</i> , 2011 , 38, 925-32	2.1	15
82	Assessment of fetal brain uptake of paraquat in utero using in vivo PET/CT imaging. <i>Toxicological Sciences</i> , 2011 , 122, 551-6	4.4	15
81	A "Missile-Detonation" Strategy to Precisely Supply and Efficiently Amplify Cerenkov Radiation Energy for Cancer Theranostics. <i>Advanced Materials</i> , 2019 , 31, e1904894	24	14
80	Changes in the $\alpha 7$ nicotinic acetylcholine system during chronic controlled alcohol exposure in nonhuman primates. <i>Drug and Alcohol Dependence</i> , 2014 , 138, 216-9	4.9	14

79	Positron emission tomography imaging of vascular endothelial growth factor receptor expression with (61)Cu-labeled lysine-tagged VEGF121. <i>Molecular Pharmaceutics</i> , 2012 , 9, 3586-94	5.6	14
78	First-in-human evaluation of 18F-mefway, a PET radioligand specific to serotonin-1A receptors. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 1973-9	8.9	13
77	Measuring α_2^* nicotinic acetylcholine receptor density in vivo with [(18)F]nifene PET in the nonhuman primate. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 1806-14	7.3	13
76	Nuclear excitation functions of proton-induced reactions (E = 35 - 90 MeV) from Fe, Cu, and Al. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016 , 386, 44-53	1.2	13
75	The effects of chronic alcohol self-administration on serotonin-1A receptor binding in nonhuman primates. <i>Drug and Alcohol Dependence</i> , 2014 , 144, 119-26	4.9	12
74	Measurement of 5-HT(1A) receptor density and in-vivo binding parameters of [(18)F]mefway in the nonhuman primate. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012 , 32, 1546-58	7.3	12
73	PET Measurement of rCBF in the presence of a neurochemical tracer. <i>Journal of Neuroscience Methods</i> , 2004 , 132, 199-208	3	12
72	Evaluation of a chloride-based Zr isolation strategy using a tributyl phosphate (TBP)-functionalized extraction resin. <i>Nuclear Medicine and Biology</i> , 2018 , 64-65, 1-7	2.1	12
71	Noninvasive Trafficking of Brentuximab Vedotin and PET Imaging of CD30 in Lung Cancer Murine Models. <i>Molecular Pharmaceutics</i> , 2018 , 15, 1627-1634	5.6	11
70	Production and in vivo PET/CT imaging of the theranostic pair La. <i>Scientific Reports</i> , 2019 , 9, 10658	4.9	11
69	Fetal dose estimates for (18)F-fluoro-L-thymidine using a pregnant monkey model. <i>Journal of Nuclear Medicine</i> , 2010 , 51, 288-92	8.9	11
68	Antibody-based PET of uPA/uPAR signaling with broad applicability for cancer imaging. <i>Oncotarget</i> , 2016 , 7, 73912-73924	3.3	11
67	Pravastatin stimulates angiogenesis in a murine hindlimb ischemia model: a positron emission tomography imaging study with (64)Cu-NOTA-TRC105. <i>American Journal of Translational Research (discontinued)</i> , 2013 , 6, 54-63	3	11
66	ImmunoPET Imaging of Insulin-Like Growth Factor 1 Receptor in a Subcutaneous Mouse Model of Pancreatic Cancer. <i>Molecular Pharmaceutics</i> , 2016 , 13, 1958-66	5.6	11
65	Spot-welding solid targets for high current cyclotron irradiation. <i>Applied Radiation and Isotopes</i> , 2016 , 118, 350-353	1.7	11
64	ImmunoPET imaging of tissue factor expression in pancreatic cancer with Zr-Df-ALT-836. <i>Journal of Controlled Release</i> , 2017 , 264, 160-168	11.7	10
63	Production of ^{34m}Cl and ^{38}Cl via the (d,p) reaction on ^{36}Ar and nat Ar gas at 8.4 MeV. <i>Applied Radiation and Isotopes</i> , 2011 , 69, 75-9	1.7	10
62	Dual-labeled pertuzumab for multimodality image-guided ovarian tumor resection. <i>American Journal of Cancer Research</i> , 2019 , 9, 1454-1468	4.4	10

61	Temporal analysis of type 1 interferon activation in tumor cells following external beam radiotherapy or targeted radionuclide therapy. <i>Theranostics</i> , 2021 , 11, 6120-6137	12.1	10
60	5-HT1A sex based differences in Bmax, in vivo KD, and BPND in the nonhuman primate. <i>NeuroImage</i> , 2013 , 77, 125-32	7.9	9
59	[F]Nifene test-retest reproducibility in first-in-human imaging of $\alpha 7$ * nicotinic acetylcholine receptors. <i>Synapse</i> , 2017 , 71, e21981	2.4	8
58	Radiochemical isolation method for the production of Mn from Cr for accelerator targets. <i>Applied Radiation and Isotopes</i> , 2019 , 146, 99-103	1.7	8
57	Mathematical modeling of positron emission tomography (PET) data to assess radiofluoride transport in living plants following petiolar administration. <i>Plant Methods</i> , 2015 , 11, 18	5.8	8
56	In vivo imaging of inflammation and oxidative stress in a nonhuman primate model of cardiac sympathetic neurodegeneration. <i>Npj Parkinson Disease</i> , 2018 , 4, 22	9.7	8
55	PET imaging of acetylcholinesterase inhibitor-induced effects on $\alpha 7$ nicotinic acetylcholine receptor binding. <i>Synapse</i> , 2013 , 67, 882-6	2.4	8
54	Chelator-Free Synthesis of a Dual-Modality PET/MRI Agent. <i>Angewandte Chemie</i> , 2013 , 125, 13561-13566	5.6	8
53	Extraction of neutron spectral information from Bonner Sphere data. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999 , 431, 551-555	1.2	8
52	HER2-targeted multimodal imaging of anaplastic thyroid cancer. <i>American Journal of Cancer Research</i> , 2019 , 9, 2413-2427	4.4	8
51	Improved production of Br, Br and Br via CoSe cyclotron targets and vertical dry distillation. <i>Nuclear Medicine and Biology</i> , 2020 , 80-81, 32-36	2.1	8
50	Characterization of the radiosynthesis and purification of [F]THK-5351, a PET ligand for neurofibrillary tau. <i>Applied Radiation and Isotopes</i> , 2017 , 130, 230-237	1.7	7
49	The effects of lobeline on $\alpha 7$ * nicotinic acetylcholine receptor binding and uptake of [(18F)nifene in rats. <i>Journal of Neuroscience Methods</i> , 2013 , 214, 163-9	3	7
48	Generation and screening of monoclonal antibodies for immunoPET imaging of IGF1R in prostate cancer. <i>Molecular Pharmaceutics</i> , 2014 , 11, 3624-30	5.6	6
47	HaloTag as a reporter gene: positron emission tomography imaging with (64)Cu-labeled second generation HaloTag ligands. <i>American Journal of Translational Research (discontinued)</i> , 2013 , 5, 291-302	3	6
46	Development of a novel linearly-filled Derenzo microPET phantom. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 6, 199-204	2.2	6
45	Immuno-PET imaging of VEGFR-2 expression in prostate cancer with Zr-labeled ramucirumab. <i>American Journal of Cancer Research</i> , 2019 , 9, 2037-2046	4.4	6
44	Cyclotron-Produced La as a PET Imaging Surrogate for Therapeutic Ac. <i>Journal of Nuclear Medicine</i> , 2021 , 62, 1012-1015	8.9	6

43	CD38-Targeted Theranostics of Lymphoma with Zr/Lu-Labeled Daratumumab. <i>Advanced Science</i> , 2021 , 8, 2001879	13.6	6
42	Py-Macrodipa: A Janus Chelator Capable of Binding Medicinally Relevant Rare-Earth Radiometals of Disparate Sizes. <i>Journal of the American Chemical Society</i> , 2021 , 143, 10429-10440	16.4	6
41	Coordination chemistry of [Y(pypa)] and comparison immuno-PET imaging of [Sc]Sc- and [Y]Y-pypa-phenyl-TRC105. <i>Dalton Transactions</i> , 2020 , 49, 5547-5562	4.3	5
40	The unrealized potential of (34m)Cl for radiopharmaceutical research with PET. <i>Current Radiopharmaceuticals</i> , 2011 , 4, 102-8	1.8	5
39	Spatiotemporal Distribution of Agrin after Intrathecal Injection and Its Protective Role in Cerebral Ischemia/Reperfusion Injury. <i>Advanced Science</i> , 2020 , 7, 1902600	13.6	5
38	Auger electron-based targeted radioimmunotherapy with 58mCo, a feasibility study 2016 ,		5
37	Intrinsically Zr-labeled GdOS:Eu nanophosphors with high stability for dual-modality imaging. <i>American Journal of Translational Research (discontinued)</i> , 2016 , 8, 5591-5600	3	4
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