

Todd E Barnhart

List of Publications by Year in descending order

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188
papers

9,513
citations

36203

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all docs

197
docs citations

197
times ranked

11946
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron Oxide Decorated MoS ₂ Nanosheets with Double PEGylation for Chelator-Free Radiolabeling and Multimodal Imaging Guided Photothermal Therapy. ACS Nano, 2015, 9, 950-960.	7.3	460
2	Non-invasive multimodal functional imaging of the intestine with frozen micellar naphthalocyanines. Nature Nanotechnology, 2014, 9, 631-638.	15.6	382
3	Theranostic Liposomes with Hypoxia-Activated Prodrug to Effectively Destruct Hypoxic Tumors Post-Photodynamic Therapy. ACS Nano, 2017, 11, 927-937.	7.3	358
4	<i>In Vivo</i> Targeting and Imaging of Tumor Vasculature with Radiolabeled, Antibody-Conjugated Nanographene. ACS Nano, 2012, 6, 2361-2370.	7.3	318
5	<i>In Vivo</i> Tumor Targeting and Image-Guided Drug Delivery with Antibody-Conjugated, Radiolabeled Mesoporous Silica Nanoparticles. ACS Nano, 2013, 7, 9027-9039.	7.3	314
6	FeSe ₂ -Decorated Bi ₂ Se ₃ Nanosheets Fabricated via Cation Exchange for Chelator-Free ⁶⁴ Cu Labeling and Multimodal Image-Guided Photothermal-Radiation Therapy. Advanced Functional Materials, 2016, 26, 2185-2197.	7.8	225
7	Multifunctional unimolecular micelles for cancer-targeted drug delivery and positron emission tomography imaging. Biomaterials, 2012, 33, 3071-3082.	5.7	224
8	<i>In Vivo</i> targeting and positron emission tomography imaging of tumor vasculature with ⁶⁶ Ga-labeled nano-graphene. Biomaterials, 2012, 33, 4147-4156.	5.7	197
9	Molybdenum-based nanoclusters act as antioxidants and ameliorate acute kidney injury in mice. Nature Communications, 2018, 9, 5421.	5.8	184
10	Engineering of Hollow Mesoporous Silica Nanoparticles for Remarkably Enhanced Tumor Active Targeting Efficacy. Scientific Reports, 2014, 4, 5080.	1.6	176
11	Amyloid burden and neural function in people at risk for Alzheimer's Disease. Neurobiology of Aging, 2014, 35, 576-584.	1.5	166
12	Activatable Hybrid Nanotheranostics for Tetramodal Imaging and Synergistic Photothermal/Photodynamic Therapy. Advanced Materials, 2018, 30, 1704367.	11.1	165
13	<i>In Vivo</i> Characterization and Quantification of Neurofibrillary Tau PET Radioligand ¹⁸ F-MK-6240 in Humans from Alzheimer Disease Dementia to Young Controls. Journal of Nuclear Medicine, 2019, 60, 93-99.	2.8	161
14	Preclinical Pharmacokinetics and Biodistribution Studies of ⁸⁹ Zr-Labeled Pembrolizumab. Journal of Nuclear Medicine, 2017, 58, 162-168.	2.8	152
15	Ceria Nanoparticles Meet Hepatic Ischemia-Reperfusion Injury: The Perfect Imperfection. Advanced Materials, 2019, 31, e1902956.	11.1	150
16	Tumor vasculature targeting and imaging in living mice with reduced graphene oxide. Biomaterials, 2013, 34, 3002-3009.	5.7	149
17	Magnetic Targeting of Nanotheranostics Enhances Cerenkov Radiation-Induced Photodynamic Therapy. Journal of the American Chemical Society, 2018, 140, 14971-14979.	6.6	148
18	Cerenkov Radiation Induced Photodynamic Therapy Using Chlorin e6-Loaded Hollow Mesoporous Silica Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 26630-26637.	4.0	136

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19	<i>In Vivo</i> Integrity and Biological Fate of Chelator-Free Zirconium-89-Labeled Mesoporous Silica Nanoparticles. <i>ACS Nano</i> , 2015, 9, 7950-7959.	7.3	135
20	Bioresponsive Polyoxometalate Cluster for Redox-Activated Photoacoustic Imaging-Guided Photothermal Cancer Therapy. <i>Nano Letters</i> , 2017, 17, 3282-3289.	4.5	135
21	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.	5.7	134
22	Chelator-Free Synthesis of a Dual-Modality PET/MRI Agent. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13319-13323.	7.2	120
23	Associations between white matter microstructure and amyloid burden in preclinical Alzheimer's disease: A multimodal imaging investigation. <i>NeuroImage: Clinical</i> , 2014, 4, 604-614.	1.4	119
24	VEGF ₁₂₁ -Conjugated Mesoporous Silica Nanoparticle: A Tumor Targeted Drug Delivery System. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21677-21685.	4.0	118
25	Renal-Clearable PEGylated Porphyrin Nanoparticles for Image-Guided Photodynamic Cancer Therapy. <i>Advanced Functional Materials</i> , 2017, 27, 1702928.	7.8	113
26	A Melanin-Based Natural Antioxidant Defense Nanosystem for Theranostic Application in Acute Kidney Injury. <i>Advanced Functional Materials</i> , 2019, 29, 1904833.	7.8	111
27	Selenium-Doped Carbon Quantum Dots Act as Broad-Spectrum Antioxidants for Acute Kidney Injury Management. <i>Advanced Science</i> , 2020, 7, 2000420.	5.6	109
28	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.	1.1	101
29	⁸⁹ 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.	3.3	100
30	Image-guided and tumor-targeted drug delivery with radiolabeled unimolecular micelles. <i>Biomaterials</i> , 2013, 34, 8323-8332.	5.7	98
31	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, 21769-21779.	4.0	92
32	In Vivo Tumor Vasculature Targeted PET/NIRF Imaging with TRC105(Fab)-Conjugated, Dual-Labeled Mesoporous Silica Nanoparticles. <i>Molecular Pharmaceutics</i> , 2014, 11, 4007-4014.	2.3	90
33	Dual-Modality Positron Emission Tomography/Optical Image-Guided Photodynamic Cancer Therapy with Chlorin e6-Containing Nanomicelles. <i>ACS Nano</i> , 2016, 10, 7721-7730.	7.3	88
34	⁴⁴ Sc: An Attractive Isotope for Peptide-Based PET Imaging. <i>Molecular Pharmaceutics</i> , 2014, 11, 2954-2961.	2.3	87
35	Reassembly of ⁸⁹ Zr-Labeled Cancer Cell Membranes into Multicompartment Membrane-Derived Liposomes for PET-Trackable Tumor-Targeted Theranostics. <i>Advanced Materials</i> , 2018, 30, e1704934.	11.1	86
36	⁵² Mn Production for PET/MRI Tracking Of Human Stem Cells Expressing Divalent Metal Transporter 1 (DMT1). <i>Theranostics</i> , 2015, 5, 227-239.	4.6	80

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37	Hollow mesoporous silica nanoparticles for tumor vasculature targeting and PET image-guided drug delivery. <i>Nanomedicine</i> , 2015, 10, 1233-1246.	1.7	80
38	Positron emission tomography imaging of CD105 expression during tumor angiogenesis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 1335-1343.	3.3	77
39	Positron emission tomography imaging of CD105 expression with ⁸⁹ Zr-Df-TRC105. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 138-148.	3.3	75
40	Novel Preparation Methods of ⁵² Mn for ImmunoPET Imaging. <i>Bioconjugate Chemistry</i> , 2015, 26, 2118-2124.	1.8	74
41	VEGFR targeting leads to significantly enhanced tumor uptake of nanographene oxide in vivo. <i>Biomaterials</i> , 2015, 39, 39-46.	5.7	72
42	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.	5.6	70
43	Autologous transplant therapy alleviates motor and depressive behaviors in parkinsonian monkeys. <i>Nature Medicine</i> , 2021, 27, 632-639.	15.2	70
44	Surfactant-Stripped Frozen Pheophytin Micelles for Multimodal Gut Imaging. <i>Advanced Materials</i> , 2016, 28, 8524-8530.	11.1	67
45	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, 380-390.	0.4	65
46	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, 2339-2349.	2.3	63
47	⁸⁹ Zr Radiochemistry for Positron Emission Tomography. <i>Medicinal Chemistry</i> , 2011, 7, 389-394.	0.7	63
48	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.	1.0	61
49	CD146-targeted immunoPET and NIRF Imaging of Hepatocellular Carcinoma with a Dual-Labeled Monoclonal Antibody. <i>Theranostics</i> , 2016, 6, 1918-1933.	4.6	57
50	In Vivo Comparison of Tau Radioligands ¹⁸ F-THK-5351 and ¹⁸ F-THK-5317. <i>Journal of Nuclear Medicine</i> , 2017, 58, 996-1002.	2.8	54
51	A [¹⁷ F]-fluoromethane PET/TMS study of effective connectivity. <i>Brain Research Bulletin</i> , 2004, 64, 103-113.	1.4	52
52	Chelator-Free Labeling of Layered Double Hydroxide Nanoparticles for in Vivo PET Imaging. <i>Scientific Reports</i> , 2015, 5, 16930.	1.6	52
53	Aptamer-Conjugated Framework Nucleic Acids for the Repair of Cerebral Ischemia-Reperfusion Injury. <i>Nano Letters</i> , 2019, 19, 7334-7341.	4.5	51
54	Immuno-PET of Tissue Factor in Pancreatic Cancer. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1748-1754.	2.8	49

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55	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.	1.2	49
56	PET imaging of CD105/endoglin expression with a ⁶¹ /64Cu-labeled Fab antibody fragment. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 759-767.	3.3	47
57	Intrinsic radiolabeling of Titanium-45 using mesoporous silica nanoparticles. <i>Acta Pharmacologica Sinica</i> , 2017, 38, 907-913.	2.8	47
58	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, 6772-6789.	1.7	46
59	Photo-Enhanced Singlet Oxygen Generation of Prussian Blue-Based Nanocatalyst for Augmented Photodynamic Therapy. <i>IScience</i> , 2018, 9, 14-26.	1.9	46
60	Moderate-Level Prenatal Alcohol Exposure Alters Striatal Dopamine System Function in Rhesus Monkeys. <i>Alcoholism: Clinical and Experimental Research</i> , 2005, 29, 1685-1697.	1.4	45
61	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.	1.2	44
62	PET radiometals for antibody labeling. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018, 61, 636-651.	0.5	43
63	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.	1.2	43
64	Radiolabeled polyoxometalate clusters: Kidney dysfunction evaluation and tumor diagnosis by positron emission tomography imaging. <i>Biomaterials</i> , 2018, 171, 144-152.	5.7	42
65	CD146-Targeted Multimodal Image-Guided Photoimmunotherapy of Melanoma. <i>Advanced Science</i> , 2019, 6, 1801237.	5.6	42
66	Establishing Radiolanthanum Chemistry for Targeted Nuclear Medicine Applications. <i>Chemistry - A European Journal</i> , 2020, 26, 1238-1242.	1.7	42
67	Intrinsic and Stable Conjugation of Thiolated Mesoporous Silica Nanoparticles with Radioarsenic. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6772-6781.	4.0	40
68	Positron Emission Tomography and Optical Imaging of Tumor CD105 Expression with a Dual-Labeled Monoclonal Antibody. <i>Molecular Pharmaceutics</i> , 2012, 9, 645-653.	2.3	39
69	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, 179-188.	1.8	39
70	Size-Optimized Ultrasmall Porous Silica Nanoparticles Depict Vasculature-Based Differential Targeting in Triple Negative Breast Cancer. <i>Small</i> , 2019, 15, e1903747.	5.2	39
71	Paraquat is excluded by the blood brain barrier in rhesus macaque: An in vivo pet study. <i>Brain Research</i> , 2009, 1259, 74-79.	1.1	38
72	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.	0.0	38

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73	Positron Emission Tomography Imaging of Tumor Angiogenesis with a ⁶⁶ Ga-Labeled Monoclonal Antibody. <i>Molecular Pharmaceutics</i> , 2012, 9, 1441-1448.	2.3	37
74	Positron Emission Tomography Imaging of Tumor Angiogenesis with a ^{61/64} Cu-Labeled F(ab ₂) Antibody Fragment. <i>Molecular Pharmaceutics</i> , 2013, 10, 709-716.	2.3	36
75	A "Missile" Detonation Strategy to Precisely Supply and Efficiently Amplify Cerenkov Radiation Energy for Cancer Theranostics. <i>Advanced Materials</i> , 2019, 31, e1904894.	11.1	35
76	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.	1.2	34
77	Chelator-Free Labeling of Metal Oxide Nanostructures with Zirconium-89 for Positron Emission Tomography Imaging. <i>ACS Nano</i> , 2017, 11, 12193-12201.	7.3	34
78	Noninvasive Imaging and Quantification of Radiotherapy-Induced PD-L1 Upregulation with ⁸⁹ Zr- ⁶⁴ Cu-Atezolizumab. <i>Bioconjugate Chemistry</i> , 2019, 30, 1434-1441.	1.8	34
79	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.	4.6	34
80	HPMA-based star polymer biomaterials with tuneable structure and biodegradability tailored for advanced drug delivery to solid tumours. <i>Biomaterials</i> , 2020, 235, 119728.	5.7	33
81	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, 2872-2876.	5.2	32
82	Radiomanganese PET Detects Changes in Functional β -Cell Mass in Mouse Models of Diabetes. <i>Diabetes</i> , 2017, 66, 2163-2174.	0.3	32
83	Facile Preparation of Multifunctional WS ₂ /WO _x Nanodots for Chelator-Free ⁸⁹ Zr-Labeling and In Vivo PET Imaging. <i>Small</i> , 2016, 12, 5750-5758.	5.2	31
84	ImmunoPET imaging of CD38 in murine lymphoma models using ⁸⁹ Zr-labeled daratumumab. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1372-1381.	3.3	30
85	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.	6.6	30
86	A tumor-targeted polymer theranostics platform for positron emission tomography and fluorescence imaging. <i>Nanoscale</i> , 2017, 9, 10906-10918.	2.8	29
87	Production and in vivo PET/CT imaging of the theranostic pair ^{132/135} La. <i>Scientific Reports</i> , 2019, 9, 10658.	1.6	29
88	Imaging tumor angiogenesis in breast cancer experimental lung metastasis with positron emission tomography, near-infrared fluorescence, and bioluminescence. <i>Angiogenesis</i> , 2013, 16, 663-674.	3.7	28
89	General synthesis of silica-based yolk/shell hybrid nanomaterials and in vivo tumor vasculature targeting. <i>Nano Research</i> , 2018, 11, 4890-4904.	5.8	28
90	¹¹ C-(<i>R</i>)-PK11195 PET Imaging of Microglial Activation and Response to Minocycline in Zymosan-Treated Rats. <i>Journal of Nuclear Medicine</i> , 2011, 52, 257-262.	2.8	27

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91	PET Imaging of $\alpha 4\beta 2^*$ Nicotinic Acetylcholine Receptors: Quantitative Analysis of ^{18}F -Nifene Kinetics in the Nonhuman Primate. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1471-1480.	2.8	26
92	Radiolabeled ^3H -AApeptides: a new class of tracers for positron emission tomography. <i>Chemical Communications</i> , 2012, 48, 7850.	2.2	26
93	Positron Emission Tomography Imaging of Angiogenesis in a Murine Hindlimb Ischemia Model with ^{64}Cu -Labeled TRC105. <i>Molecular Pharmaceutics</i> , 2013, 10, 2749-2756.	2.3	25
94	ImmunoPET Imaging of CD146 Expression in Malignant Brain Tumors. <i>Molecular Pharmaceutics</i> , 2016, 13, 2563-2570.	2.3	25
95	CD38 as a PET Imaging Target in Lung Cancer. <i>Molecular Pharmaceutics</i> , 2017, 14, 2400-2406.	2.3	25
96	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, 422-433.	1.2	23
97	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.	3.3	23
98	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.	1.0	23
99	Alzheimer-Like Pattern of Hypometabolism Emerges with Elevated Amyloid- β Burden in Down Syndrome. <i>Journal of Alzheimer's Disease</i> , 2017, 61, 631-644.	1.2	23
100	[$^{44}\text{Sc}(\text{py})_3$] $^{\text{III}}$: Thermodynamic Stability, Radiolabeling, and Biodistribution of a Prostate-Specific-Membrane-Antigen-Targeting Conjugate. <i>Inorganic Chemistry</i> , 2020, 59, 1985-1995.	1.9	23
101	Nonuniform Cardiac Denervation Observed by ^{11}C -meta-Hydroxyephedrine PET in 6-OHDA-Treated Monkeys. <i>PLoS ONE</i> , 2012, 7, e35371.	1.1	22
102	Prenatal Stress Induces Increased Striatal Dopamine Transporter Binding in Adult Nonhuman Primates. <i>Biological Psychiatry</i> , 2013, 74, 502-510.	0.7	22
103	Serotonin Transporter Genotype Affects Serotonin 5-HT $_{1A}$ Binding in Primates. <i>Journal of Neuroscience</i> , 2013, 33, 2512-2516.	1.7	22
104	Preparation and in vivo characterization of $^{51}\text{MnCl}_2$ as PET tracer of Ca^{2+} channel-mediated transport. <i>Scientific Reports</i> , 2017, 7, 3033.	1.6	22
105	Simplified and automatable radiochemical separation strategy for the production of radiopharmaceutical quality ^{86}Y using single column extraction chromatography. <i>Applied Radiation and Isotopes</i> , 2018, 142, 28-31.	0.7	22
106	CD38-Targeted Theranostics of Lymphoma with ^{89}Zr - ^{177}Lu -Labeled Daratumumab. <i>Advanced Science</i> , 2021, 8, 2001879.	5.6	20
107	HaloTag: a novel reporter gene for positron emission tomography. <i>American Journal of Translational Research (discontinued)</i> , 2011, 3, 392-403.	0.0	20
108	First-in-Human Evaluation of ^{18}F -Mefway, a PET Radioligand Specific to Serotonin-1A Receptors. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1973-1979.	2.8	19

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109	Nuclear excitation functions of proton-induced reactions ($E_p = 35\text{--}90$ MeV) from Fe, Cu, and Al. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016, 386, 44-53.	0.6	19
110	ImmunoPET imaging of tissue factor expression in pancreatic cancer with ^{89}Zr -Df-ALT-836. <i>Journal of Controlled Release</i> , 2017, 264, 160-168.	4.8	19
111	Noninvasive Trafficking of Brentuximab Vedotin and PET Imaging of CD30 in Lung Cancer Murine Models. <i>Molecular Pharmaceutics</i> , 2018, 15, 1627-1634.	2.3	19
112	Cyclotron produced ^{132}La as a PET imaging surrogate of therapeutic ^{225}Ac . <i>Journal of Nuclear Medicine</i> , 2021, 62, jnumed.120.255794.	2.8	18
113	ImmunoPET of trophoblast cell-surface antigen 2 (Trop-2) expression in pancreatic cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 861-870.	3.3	18
114	The effects of chronic alcohol self-administration on serotonin-1A receptor binding in nonhuman primates. <i>Drug and Alcohol Dependence</i> , 2014, 144, 119-126.	1.6	17
115	Evaluation of a chloride-based ^{89}Zr isolation strategy using a tributyl phosphate (TBP)-functionalized extraction resin. <i>Nuclear Medicine and Biology</i> , 2018, 64-65, 1-7.	0.3	17
116	Nanostructured polyvinylpyrrolidone-curcumin conjugates allowed for kidney-targeted treatment of cisplatin induced acute kidney injury. <i>Bioactive Materials</i> , 2023, 19, 282-291.	8.6	17
117	PET Measurement of rCBF in the presence of a neurochemical tracer. <i>Journal of Neuroscience Methods</i> , 2004, 132, 199-208.	1.3	16
118	An in vivo comparison of cis- and trans- ^{18}F mefway in the nonhuman primate. <i>Nuclear Medicine and Biology</i> , 2011, 38, 925-932.	0.3	16
119	Positron Emission Tomography Imaging of Vascular Endothelial Growth Factor Receptor Expression with ^{61}Cu -Labeled Lysine-Tagged VEGF $_{121}$. <i>Molecular Pharmaceutics</i> , 2012, 9, 3586-3594.	2.3	16
120	Moderate-Level Prenatal Alcohol Exposure Induces Sex Differences in Dopamine D_1 Receptor Binding in Adult Rhesus Monkeys. <i>Alcoholism: Clinical and Experimental Research</i> , 2014, 38, 2934-2943.	1.4	16
121	Changes in the ^{14}C nicotinic acetylcholine system during chronic controlled alcohol exposure in nonhuman primates. <i>Drug and Alcohol Dependence</i> , 2014, 138, 216-219.	1.6	16
122	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.	1.9	16
123	ImmunoPET Imaging of Insulin-Like Growth Factor 1 Receptor in a Subcutaneous Mouse Model of Pancreatic Cancer. <i>Molecular Pharmaceutics</i> , 2016, 13, 1958-1966.	2.3	16
124	Assessment of Fetal Brain Uptake of Paraquat In Utero Using In Vivo PET/CT Imaging. <i>Toxicological Sciences</i> , 2011, 122, 551-556.	1.4	15
125	Measuring ^{14}C 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, 1806-1814.	2.4	15
126	Improved production of ^{76}Br , ^{77}Br and ^{80}mBr via CoSe cyclotron targets and vertical dry distillation. <i>Nuclear Medicine and Biology</i> , 2020, 80-81, 32-36.	0.3	15

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127	Measurement of 5-HT _{1A} Receptor Density and <i>in-vivo</i> Binding Parameters of [¹⁸ F]mefway in the Nonhuman Primate. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1546-1558.	2.4	14
128	ImmunoPET/NIRF/Cerenkov multimodality imaging of ICAM-1 in pancreatic ductal adenocarcinoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2737-2748.	3.3	14
129	Fetal Dose Estimates for ¹⁸ F-Fluoro-l-Thymidine Using a Pregnant Monkey Model. <i>Journal of Nuclear Medicine</i> , 2010, 51, 288-292.	2.8	13
130	Spot-welding solid targets for high current cyclotron irradiation. <i>Applied Radiation and Isotopes</i> , 2016, 118, 350-353.	0.7	13
131	[¹⁸ F]Nifene test-retest reproducibility in first-in-human imaging of $\hat{1}\pm 4\hat{1}^22^*$ nicotinic acetylcholine receptors. <i>Synapse</i> , 2017, 71, e21981.	0.6	13
132	Antibody-based PET of uPA/uPAR signaling with broad applicability for cancer imaging. <i>Oncotarget</i> , 2016, 7, 73912-73924.	0.8	13
133	Production of ³⁴ mCl and ³⁸ Cl via the (d, $\hat{1}\pm$) reaction on ³⁶ Ar and natAr gas at 8.4MeV. <i>Applied Radiation and Isotopes</i> , 2011, 69, 75-79.	0.7	12
134	Coordination chemistry of [Y(pypa)] ⁺ and comparison immuno-PET imaging of [⁴⁴ Sc]Sc- and [⁸⁶ Y]Y-pypa-phenyl-TRC105. <i>Dalton Transactions</i> , 2020, 49, 5547-5562.	1.6	12
135	The effects of lobeline on $\hat{1}\pm 4\hat{1}^22^*$ nicotinic acetylcholine receptor binding and uptake of [18F]nifene in rats. <i>Journal of Neuroscience Methods</i> , 2013, 214, 163-169.	1.3	11
136	PET imaging of acetylcholinesterase inhibitor-induced effects on $\hat{1}\pm 4\hat{1}^22^*$ nicotinic acetylcholine receptor binding. <i>Synapse</i> , 2013, 67, 882-886.	0.6	11
137	In vivo imaging of inflammation and oxidative stress in a nonhuman primate model of cardiac sympathetic neurodegeneration. <i>Npj Parkinson's Disease</i> , 2018, 4, 22.	2.5	11
138	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.	0.0	11
139	Dual-labeled pertuzumab for multimodality image-guided ovarian tumor resection. <i>American Journal of Cancer Research</i> , 2019, 9, 1454-1468.	1.4	11
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