

Todd E Barnhart

List of Publications by Year in Descending Order

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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	Nanostructured polyvinylpyrrolidone-curcumin conjugates allowed for kidney-targeted treatment of cisplatin induced acute kidney injury.. <i>Bioactive Materials</i> , 2023 , 19, 282-291	16.7	1
185	Excitation function of $^{54}\text{Fe}(p,n)^{54}\text{Mn}$ from 9.5 MeV to 18 MeV. <i>Nuclear Physics A</i> , 2022 , 1021, 122424	1.3	1
184	A Review of Accelerator-Produced Ga-68 with Solid Targets. <i>Current Radiopharmaceuticals</i> , 2021 , 14, 315-324	1.8	4
183	A Third Generation Potentially Bifunctional Trithiol Chelate, Its Sb(III) Complex, and Selective Chelation of Radioantimony (Sb) from Its Sn Target. <i>Inorganic Chemistry</i> , 2021 , 60, 15223-15232	5.1	1
182	Cyclotron-Produced La as a PET Imaging Surrogate for Therapeutic Ac. <i>Journal of Nuclear Medicine</i> , 2021 , 62, 1012-1015	8.9	6
181	CD38-Targeted Theranostics of Lymphoma with Zr/Lu-Labeled Daratumumab. <i>Advanced Science</i> , 2021 , 8, 2001879	13.6	6
180	Autologous transplant therapy alleviates motor and depressive behaviors in parkinsonian monkeys. <i>Nature Medicine</i> , 2021 , 27, 632-639	50.5	23
179	Low-Dose Radiation Potentiates the Propagation of Anti-Tumor Immunity against Melanoma Tumor in the Brain after In Situ Vaccination at a Tumor outside the Brain. <i>Radiation Research</i> , 2021 , 195, 522-540	3.1	1
178	Characterization of actinide resin for separation of Mn from bulk target material. <i>Nuclear Medicine and Biology</i> , 2021 , 96-97, 19-26	2.1	0
177	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
176	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
175	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	8.8	3
174	Alternative strategies for the synthesis of [^{11}C]ER176 for PET imaging of neuroinflammation. <i>Applied Radiation and Isotopes</i> , 2021 , 178, 109954	1.7	0
173	ImmunoPET of trophoblast cell-surface antigen 2 (Trop-2) expression in pancreatic cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 1	8.8	2
172	Synaptic vesicle protein SV2A imaging with [^{11}C]UCB-J as a novel biomarker of neurodegeneration in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020 , 16, e037789	1.2	
171	Durability test of a flowing-water target for isotope harvesting. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020 , 478, 34-45	1.2	2
170	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

169	[Sc(pyppa)]: Thermodynamic Stability, Radiolabeling, and Biodistribution of a Prostate-Specific-Membrane-Antigen-Targeting Conjugate. <i>Inorganic Chemistry</i> , 2020 , 59, 1985-1995	5.1	15
168	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
167	Coordination chemistry of [Y(pyppa)] and comparison immuno-PET imaging of [Sc]Sc- and [Y]Y-pyppa-phenyl-TRC105. <i>Dalton Transactions</i> , 2020 , 49, 5547-5562	4.3	5
166	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
165	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
164	Establishing Radiolanthanum Chemistry for Targeted Nuclear Medicine Applications. <i>Chemistry - A European Journal</i> , 2020 , 26, 1238-1242	4.8	24
163	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
162	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
161	Aptamer-Conjugated Framework Nucleic Acids for the Repair of Cerebral Ischemia-Reperfusion Injury. <i>Nano Letters</i> , 2019 , 19, 7334-7341	11.5	31
160	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
159	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
158	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
157	Ceria Nanoparticles Meet Hepatic Ischemia-Reperfusion Injury: The Perfect Imperfection. <i>Advanced Materials</i> , 2019 , 31, e1902956	24	76
156	Production and in vivo PET/CT imaging of the theranostic pair La. <i>Scientific Reports</i> , 2019 , 9, 10658	4.9	11
155	Size-Optimized Ultrasmall Porous Silica Nanoparticles Depict Vasculature-Based Differential Targeting in Triple Negative Breast Cancer. <i>Small</i> , 2019 , 15, e1903747	11	22
154	PET Measures of D1, D2, and DAT Binding Are Associated With Heightened Tactile Responsivity in Rhesus Macaques: Implications for Sensory Processing Disorder. <i>Frontiers in Integrative Neuroscience</i> , 2019 , 13, 29	3.2	1
153	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
152	Dual-labeled pertuzumab for multimodality image-guided ovarian tumor resection. <i>American Journal of Cancer Research</i> , 2019 , 9, 1454-1468	4.4	10

151	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
150	HER2-targeted multimodal imaging of anaplastic thyroid cancer. <i>American Journal of Cancer Research</i> , 2019 , 9, 2413-2427	4.4	8
149	CD146-Targeted Multimodal Image-Guided Photoimmunotherapy of Melanoma. <i>Advanced Science</i> , 2019 , 6, 1801237	13.6	28
148	IC-P-117: RETROSPECTIVE COGNITIVE DECLINE IS ASSOCIATED WITH NEUROFIBRILLARY TANGLES AND BETA-AMYLOID PLAQUES MEASURED BY [F-18]MK-6240 AND [C-11]PIB IN LATE-MIDDLE AGED PERSONS CLINICALLY UNIMPAIRED AT BASELINE 2019 , 15, P99-P100		
147	IC-06-01: ASSESSMENT OF LONGITUDINAL AMYLOID LOAD CHANGE IN DOWN SYNDROME 2019 , 15, P10-P10		
146	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
145	Radiolabeled polyoxometalate clusters: Kidney dysfunction evaluation and tumor diagnosis by positron emission tomography imaging. <i>Biomaterials</i> , 2018 , 171, 144-152	15.6	26
144	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
143	PET radiometals for antibody labeling. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018 , 61, 636-651	1.9	27
142	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
141	Activatable Hybrid Nanotheranostics for Tetramodal Imaging and Synergistic Photothermal/Photodynamic Therapy. <i>Advanced Materials</i> , 2018 , 30, 1704367	24	129
140	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
139	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
138	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	9.7	8
137	General synthesis of silica-based yolk/shell hybrid nanomaterials and tumor vasculature targeting. <i>Nano Research</i> , 2018 , 11, 4890-4904	10	21
136	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
135	O3-04-06: TAU IMAGING WITH [F-18]MK6240 ACROSS THE AD SPECTRUM: ASSOCIATIONS WITH AMYLOID AND COGNITIVE STATUS 2018 , 14, P1021-P1021		
134	P1-126: PRACTICAL CONSIDERATIONS FOR STATIC PET IMAGING OF [18F]MK-6240 2018 , 14, P319-P319		

133	IC-P-200: PRACTICAL CONSIDERATIONS FOR STATIC PET IMAGING OF [18F]MK-6240 2018 , 14, P164-P165		
132	Molybdenum-based nanoclusters act as antioxidants and ameliorate acute kidney injury in mice. <i>Nature Communications</i> , 2018 , 9, 5421	17.4	100
131	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
130	Photo-Enhanced Singlet Oxygen Generation of Prussian Blue-Based Nanocatalyst for Augmented Photodynamic Therapy. <i>iScience</i> , 2018 , 9, 14-26	6.1	27
129	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
128	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
127	Intrinsic and Stable Conjugation of Thiolated Mesoporous Silica Nanoparticles with Radioarsenic. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6772-6781	9.5	34
126	[F]Nifene test-retest reproducibility in first-in-human imaging of $\alpha\text{7}\beta\text{2}^*$ nicotinic acetylcholine receptors. <i>Synapse</i> , 2017 , 71, e21981	2.4	8
125	Bioresponsive Polyoxometalate Cluster for Redox-Activated Photoacoustic Imaging-Guided Photothermal Cancer Therapy. <i>Nano Letters</i> , 2017 , 17, 3282-3289	11.5	107
124	Intrinsic radiolabeling of Titanium-45 using mesoporous silica nanoparticles. <i>Acta Pharmacologica Sinica</i> , 2017 , 38, 907-913	8	31
123	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
122	Radiomanganese PET Detects Changes in Functional β -Cell Mass in Mouse Models of Diabetes. <i>Diabetes</i> , 2017 , 66, 2163-2174	0.9	26
121	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
120	CD38 as a PET Imaging Target in Lung Cancer. <i>Molecular Pharmaceutics</i> , 2017 , 14, 2400-2406	5.6	17
119	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
118	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
117	A tumor-targeted polymer theranostics platform for positron emission tomography and fluorescence imaging. <i>Nanoscale</i> , 2017 , 9, 10906-10918	7.7	23
116	Half-life of Mn. <i>Physical Review C</i> , 2017 , 96,	2.7	3

115	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
114	Simplified and reproducible radiochemical separations for the production of high specific activity ⁶¹ Cu, ⁶⁴ Cu, ⁸⁶ Y and ⁵⁵ Co 2017 ,		2
113	Earth, air, fire and water: A targetry quartet 2017 ,		1
112	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
111	Preclinical Pharmacokinetics and Biodistribution Studies of ⁸⁹ Zr-Labeled Pembrolizumab. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 162-168	8.9	110
110	[O20206]: ALZHEIMER-LIKE PATHOPHYSIOLOGICAL CHANGES IN THE NON-DEMENTED DOWN SYNDROME POPULATION 2017 , 13, P554		
109	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
108	Radiobromine production, isolation and radiosynthesis for the development of a novel prostate cancer radiotherapeutic agent 2017 ,		2
107	Renal-Clearable PEGylated Porphyrin Nanoparticles for Image-guided Photodynamic Cancer Therapy. <i>Advanced Functional Materials</i> , 2017 , 27, 1702928	15.6	90
106	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
105	Surfactant-Stripped Frozen Pheophytin Micelles for Multimodal Gut Imaging. <i>Advanced Materials</i> , 2016 , 28, 8524-8530	24	50
104	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
103	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
102	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
101	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
100	ImmunoPET Imaging of CD146 Expression in Malignant Brain Tumors. <i>Molecular Pharmaceutics</i> , 2016 , 13, 2563-70	5.6	20
99	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
98	Antibody-based PET of uPA/uPAR signaling with broad applicability for cancer imaging. <i>Oncotarget</i> , 2016 , 7, 73912-73924	3.3	11

97	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
96	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
95	Auger electron-based targeted radioimmunotherapy with ⁵⁸ mCo, a feasibility study 2016 ,		5
94	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
93	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
92	P1-274: Patterns of In-Vivo Preclinical TAU and Amyloid Burden Using [F-18]THK5351 and [C-11]PIB 2016 , 12, P521-P522		
91	IC-P-195: Patterns of in-Vivo Preclinical TAU and Amyloid Burden Using [F-18]THK5351 and [C-11]PIB 2016 , 12, P141-P141		
90	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
89	Facile Preparation of Multifunctional WS ₂ /WO ₃ Nanodots for Chelator-Free Zr-Labeling and In Vivo PET Imaging. <i>Small</i> , 2016 , 12, 5750-5758	11	27
88	Spot-welding solid targets for high current cyclotron irradiation. <i>Applied Radiation and Isotopes</i> , 2016 , 118, 350-353	1.7	11
87	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
86	Engineering Intrinsically Zirconium-89 Radiolabeled Self-Destructing Mesoporous Silica Nanostructures for In Vivo Biodistribution and Tumor Targeting Studies. <i>Advanced Science</i> , 2016 , 3, 1600422	13.6	61
85	Multimodal Imaging: Surfactant-Stripped Frozen Pheophytin Micelles for Multimodal Gut Imaging (Adv. Mater. 38/2016). <i>Advanced Materials</i> , 2016 , 28, 8554-8554	24	
84	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
83	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
82	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
81	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
80	Hollow mesoporous silica nanoparticles for tumor vasculature targeting and PET image-guided drug delivery. <i>Nanomedicine</i> , 2015 , 10, 1233-46	5.6	71

79	Novel Preparation Methods of (52)Mn for ImmunoPET Imaging. <i>Bioconjugate Chemistry</i> , 2015 , 26, 2118-2133	24.3	57
78	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
77	VEGFR targeting leads to significantly enhanced tumor uptake of nanographene oxide in vivo. <i>Biomaterials</i> , 2015 , 39, 39-46	15.6	61
76	IC-P-063: Alzheimer's disease biomarker-based clusters predict amyloid accumulation and cognitive decline in a preclinical cohort: Findings from the wisconsin registry for Alzheimer's prevention (WRAP) 2015 , 11, P47-P49		1
75	O1-01-03: Alzheimer's disease biomarker-based clusters predict amyloid accumulation and cognitive decline in a preclinical cohort: Findings from the wisconsin registry for Alzheimer's prevention (WRAP) 2015 , 11, P123-P125		0
74	Chelator-Free Labeling of Layered Double Hydroxide Nanoparticles for in Vivo PET Imaging. <i>Scientific Reports</i> , 2015 , 5, 16930	4.9	39
73	^{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
72	O5-01-05: Tau and amyloid imaging in presymptomatic and symptomatic Alzheimer's disease with [F-18]THK5117 and [C-11]PiB: A multimodal imaging study 2015 , 11, P314-P314		
71	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
70	Engineering of hollow mesoporous silica nanoparticles for remarkably enhanced tumor active targeting efficacy. <i>Scientific Reports</i> , 2014 , 4, 5080	4.9	150
69	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
68	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
67	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
66	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
65	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
64	(44)Sc: an attractive isotope for peptide-based PET imaging. <i>Molecular Pharmaceutics</i> , 2014 , 11, 2954-61	5.6	70
63	Non-invasive multimodal functional imaging of the intestine with frozen micellar naphthalocyanines. <i>Nature Nanotechnology</i> , 2014 , 9, 631-8	28.7	311
62	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

61	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
60	IC-P-118: AMYLOID BURDEN, CORTICAL THICKNESS, AND COGNITIVE FUNCTION IN THE WISCONSIN REGISTRY FOR ALZHEIMER'S PREVENTION 2014 , 10, P66-P66		1
59	O1-12-02: AMYLOID BURDEN, CORTICAL THICKNESS, AND COGNITIVE FUNCTION IN THE WISCONSIN REGISTRY FOR ALZHEIMER'S PREVENTION 2014 , 10, P153-P153		
58	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
57	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
56	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
55	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
54	Changes in the $\alpha 2^*$ nicotinic acetylcholine system during chronic controlled alcohol exposure in nonhuman primates. <i>Drug and Alcohol Dependence</i> , 2014 , 138, 216-9	4.9	14
53	Initial in vivo PET imaging of 5-HT1A receptors with 3-[(18)F]mefway. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2014 , 4, 483-9	2.2	2
52	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
51	PET imaging of CD105/endothelin 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
50	Prenatal stress induces increased striatal dopamine transporter binding in adult nonhuman primates. <i>Biological Psychiatry</i> , 2013 , 74, 502-10	7.9	19
49	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
48	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
47	The effects of lobeline on $\alpha 2^*$ nicotinic acetylcholine receptor binding and uptake of [(18)F]nifene in rats. <i>Journal of Neuroscience Methods</i> , 2013 , 214, 163-9	3	7
46	Tumor vasculature targeting and imaging in living mice with reduced graphene oxide. <i>Biomaterials</i> , 2013 , 34, 3002-9	15.6	131
45	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
44	Positron emission tomography imaging of tumor angiogenesis with a ($^{61}/^{64}\text{Cu}$)-labeled F(ab') ₂ antibody fragment. <i>Molecular Pharmaceutics</i> , 2013 , 10, 709-16	5.6	29

43	Image-guided and tumor-targeted drug delivery with radiolabeled unimolecular micelles. <i>Biomaterials</i> , 2013 , 34, 8323-8332	15.6	89
42	Measuring $\alpha 7$ 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
41	Serotonin transporter genotype affects serotonin 5-HT1A binding in primates. <i>Journal of Neuroscience</i> , 2013 , 33, 2512-6	6.6	21
40	PET imaging of acetylcholinesterase inhibitor-induced effects on $\alpha 7$ nicotinic acetylcholine receptor binding. <i>Synapse</i> , 2013 , 67, 882-6	2.4	8
39	Chelator-free synthesis of a dual-modality PET/MRI agent. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13319-23	16.4	108
38	Chelator-Free Synthesis of a Dual-Modality PET/MRI Agent. <i>Angewandte Chemie</i> , 2013 , 125, 13561-13565	5.6	8
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