Lee Josephson

List of Publications by Year
in descending order

38 papers	2,813 citations	393982 19 h-index	301761 39 g-index
40 all docs	40 docs citations	40 times ranked	3969 citing authors

#	Article	IF	Citations
1	High-Efficiency Intracellular Magnetic Labeling with Novel Superparamagnetic-Tat Peptide Conjugates. Bioconjugate Chemistry, 1999, 10, 186-191.	1.8	861
2	Near-Infrared Fluorescent Nanoparticles as Combined MR/Optical Imaging Probes. Bioconjugate Chemistry, 2002, 13, 554-560.	1.8	368
3	Improvement of MRI Probes To Allow Efficient Detection of Gene Expression. Bioconjugate Chemistry, 2000, 11, 941-946.	1.8	256
4	Chemistry for Positron Emission Tomography: Recent Advances in ¹¹Câ€; ¹⁸Fâ€; ¹³Nâ€; and ¹⁵Oâ€Labeling Reactions. Angewandte Chemie - International Edition, 2019, 58, 2580-2605.	7.2	216
5	Emerging PET Radiotracers and Targets for Imaging of Neuroinflammation in Neurodegenerative Diseases: Outlook Beyond TSPO. Molecular Imaging, 2018, 17, 153601211879231.	0.7	158
6	Peroxidase Substrate Nanosensors for MR Imaging. Nano Letters, 2004, 4, 119-122.	4.5	130
7	Chelate-free metal ion binding and heat-induced radiolabeling of iron oxide nanoparticles. Chemical Science, 2015, 6, 225-236.	3.7	107
8	Environment-responsive nanophores for therapy and treatment monitoring via molecular MRI quenching. Nature Communications, 2014, 5, 3384.	5.8	92
9	Recent developments on PET radiotracers for TSPO and their applications in neuroimaging. Acta Pharmaceutica Sinica B, 2021, 11, 373-393.	5.7	82
10	Detection of lymph node metastases by contrast-enhanced MRI in an experimental model. Magnetic Resonance in Medicine, 2002, 47, 292-297.	1.9	79
11	â€œClickableâ€•Nanoparticles for Targeted Imaging. Molecular Imaging, 2006, 5, 7290.2006.00013.	0.7	62
12	Heat-induced radiolabeling and fluorescence labeling of Feraheme nanoparticles for PET/SPECT imaging and flow cytometry. Nature Protocols, 2018, 13, 392-412.	5.5	39
13	Magnetic Sensors for Protease Assays. Angewandte Chemie, 2003, 115, 1413-1416.	1.6	32
14	Heatâ€Induced Radiolabeling of Nanoparticles for Monocyte Tracking by PET. Angewandte Chemie - International Edition, 2015, 54, 13002-13006.	7.2	29
15	Design, Synthesis, and Evaluation of Reversible and Irreversible Monoacylglycerol Lipase Positron Emission Tomography (PET) Tracers Using a â€œTail Switchingâ€•Strategy on a Piperazinyl Azetidine Skeleton. Journal of Medicinal Chemistry, 2019, 62, 3336-3353.	2.9	28
16	The Repertoire of Small-Molecule PET Probes for Neuroinflammation Imaging: Challenges and Opportunities beyond TSPO. Journal of Medicinal Chemistry, 2021, 64, 17656-17689.	2.9	28
17	Barriers to Clinical Translation with Diagnostic Drugs. Journal of Nuclear Medicine, 2013, 54, 329-332.	2.8	24
18	Design, Synthesis, and Evaluation of ¹⁸F-Labeled Monoacylglycerol Lipase Inhibitors as Novel Positron Emission Tomography Probes. Journal of Medicinal Chemistry, 2019, 62, 8866-8872.	2.9	22

#	Article	IF	Citations
19	Theranostic Nucleic Acid Binding Nanoprobe Exerts Anti-inflammatory and Cytoprotective Effects in Ischemic Injury. Theranostics, 2017, 7, 814-825.	4.6	21
20	In Vitro Evaluation of [³H]CPPC as a Tool Radioligand for CSF-1R. ACS Chemical Neuroscience, 2021, 12, 998-1006.	1.7	19
21	Synthesis, pharmacology and preclinical evaluation of 11C-labeled 1,3-dihydro-2H-benzo[d]imidazole-2-ones for imaging Î³8-dependent transmembrane AMPA receptor regulatory protein. European Journal of Medicinal Chemistry, 2018, 157, 898-908.	2.6	18
22	[18F]-Alfatide PET imaging of integrin Î±vÎ²3 for the non-invasive quantification of liver fibrosis. Journal of Hepatology, 2020, 73, 161-169.	1.8	17
23	U-SPECT-BioFluo: an integrated radionuclide, bioluminescence, and fluorescence imaging platform. EJNMMI Research, 2014, 4, 56.	1.1	16
24	An Integrin-Targeted, Highly Diffusive Construct for Photodynamic Therapy. Scientific Reports, 2017, 7, 13375.	1.6	14
25	Heat-induced-radiolabeling and click chemistry: A powerful combination for generating multifunctional nanomaterials. PLoS ONE, 2017, 12, e0172722.	1.1	14
26	Fluorescent Nanoparticle Imaging Allows Noninvasive Evaluation of Immune Cell Modulation in Esophageal Dysplasia. Molecular Imaging, 2014, 13, 7290.2014.00003.	0.7	12
27	Effects of ferumoxytol on quantitative PET measurements in simultaneous PET/MR whole-body imaging: a pilot study in a baboon model. EJNMMI Physics, 2015, 2, 6.	1.3	10
28	A Radio-Nano-Platform for T1/T2 Dual-Mode PET-MR Imaging . International Journal of Nanomedicine, 2020, Volume 15, 1253-1266.	3.3	10
29	Development of a highly-specific 18F-labeled irreversible positron emission tomography tracer for monoacylglycerol lipase mapping. Acta Pharmaceutica Sinica B, 2021, 11, 1686-1695.	5.7	10
30	A Chelate-Free Nano-Platform for Incorporation of Diagnostic and Therapeutic Isotopes . International Journal of Nanomedicine, 2020, Volume 15, 31-47.	3.3	9
31	Pan and Sentinel Lymph Node Visualization Using a Near-Infrared Fluorescent Probe. Molecular Imaging, 2003, 2, 153535002003021.	0.7	6
32	Synthesis and pharmacokinetic study of a 11C-labeled cholesterol 24-hydroxylase inhibitor using â€˜in-loopâ€™ [11C]CO2 fixation method. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127068.	1.0	6
33	Multiplexed Optical Imaging of Energy Substrates Reveals That Left Ventricular Hypertrophy Is Associated With Brown Adipose Tissue Activation. Circulation: Cardiovascular Imaging, 2018, 11, e007007.	1.3	5
34	Imaging Autotaxin In Vivo with 18F-Labeled Positron Emission Tomography Ligands. Journal of Medicinal Chemistry, 2021, 64, 15053-15068.	2.9	4
35	PEG-Like Nanoprobes: Multimodal, Pharmacokinetically and Optically Tunable Nanomaterials. PLoS ONE, 2014, 9, e95406.	1.1	3
36	Synthesis and evaluation of 6-(11C-methyl(4-(pyridin-2-yl)thiazol-2-yl)amino)benzo[d]thiazol-2(3H)-one for imaging Î³-8 dependent transmembrane AMPA receptor regulatory protein by PET. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126879.	1.0	2

#	Article	IF	Citations
37	Positron annihilation localization by nanoscale magnetization. Scientific Reports, 2020, 10, 20262.	1.6	2
38	The Development of Non-Radiative Probes for In Vivo Applications. , 2003, , .		0