

Hector F Valdovinos

List of Publications by Citations

Source: <https://exaly.com/author-pdf/74871/hector-f-valdovinos-publications-by-citations.pdf>

Version: 2023-06-07

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

2,804

citations

29

h-index

52

g-index

65

ext. papers

3,139

ext. citations

7.7

avg, IF

4.86

L-index

#	Paper	IF	Citations
63	In vivo tumor targeting and image-guided drug delivery with antibody-conjugated, radiolabeled mesoporous silica nanoparticles. <i>ACS Nano</i> , 2013 , 7, 9027-39	5.6	281
62	Engineering of hollow mesoporous silica nanoparticles for remarkably enhanced tumor active targeting efficacy. <i>Scientific Reports</i> , 2014 , 4, 5080	1.5	150
61	Intrinsically germanium-69-labeled iron oxide nanoparticles: synthesis and in-vivo dual-modality PET/MR imaging. <i>Advanced Materials</i> , 2014 , 26, 5119-23	6.6	141
60	Tumor vasculature targeting and imaging in living mice with reduced graphene oxide. <i>Biomaterials</i> , 2013 , 34, 3002-9	4.5	131
59	In Vivo Integrity and Biological Fate of Chelator-Free Zirconium-89-Labeled Mesoporous Silica Nanoparticles. <i>ACS Nano</i> , 2015 , 9, 7950-9	5.6	116
58	Bioresponsive Polyoxometalate Cluster for Redox-Activated Photoacoustic Imaging-Guided Photothermal Cancer Therapy. <i>Nano Letters</i> , 2017 , 17, 3282-3289	3.2	107
57	Cerenkov Radiation Induced Photodynamic Therapy Using Chlorin e6-Loaded Hollow Mesoporous Silica Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 26630-26637	3.1	102
56	VEGF β -conjugated mesoporous silica nanoparticle: a tumor targeted drug delivery system. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21677-85	3.1	95
55	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	4.5	90
54	Renal-Clearable PEGylated Porphyrin Nanoparticles for Image-guided Photodynamic Cancer Therapy. <i>Advanced Functional Materials</i> , 2017 , 27, 1702928	5.4	90
53	Dual-Modality Positron Emission Tomography/Optical Image-Guided Photodynamic Cancer Therapy with Chlorin e6-Containing Nanomicelles. <i>ACS Nano</i> , 2016 , 10, 7721-30	5.6	79
52	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	1.6	78
51	Cyclotron produced ^{45}Ca from natural calcium. <i>Applied Radiation and Isotopes</i> , 2012 , 70, 1526-30	0.6	75
50	Hollow mesoporous silica nanoparticles for tumor vasculature targeting and PET image-guided drug delivery. <i>Nanomedicine</i> , 2015 , 10, 1233-46	1.7	71
49	^{44}Sc : an attractive isotope for peptide-based PET imaging. <i>Molecular Pharmaceutics</i> , 2014 , 11, 2954-61	1.6	70
48	^{52}Mn production for PET/MRI tracking of human stem cells expressing divalent metal transporter 1 (DMT1). <i>Theranostics</i> , 2015 , 5, 227-39	3.9	67
47	ImmunoPET Imaging of CTLA-4 Expression in Mouse Models of Non-small Cell Lung Cancer. <i>Molecular Pharmaceutics</i> , 2017 , 14, 1782-1789	1.6	62

46	VEGFR targeting leads to significantly enhanced tumor uptake of nanographene oxide in vivo. <i>Biomaterials</i> , 2015 , 39, 39-46	4.5	61
45	Engineering Intrinsically Zirconium-89 Radiolabeled Self-Destructing Mesoporous Silica Nanostructures for In Vivo Biodistribution and Tumor Targeting Studies. <i>Advanced Science</i> , 2016 , 3, 1600392	3.9	61
44	Novel Preparation Methods of (52)Mn for ImmunoPET Imaging. <i>Bioconjugate Chemistry</i> , 2015 , 26, 2118-245	4.5	57
43	Matching the decay half-life with the biological half-life: ImmunoPET imaging with (44)Sc-labeled cetuximab Fab fragment. <i>Bioconjugate Chemistry</i> , 2014 , 25, 2197-204	1.5	57
42	Separation of cyclotron-produced Sc from a natural calcium target using a dipentyl pentylphosphonate functionalized extraction resin. <i>Applied Radiation and Isotopes</i> , 2015 , 95, 23-29	0.6	54
41	Chelator-Free Radiolabeling of Nanographene: Breaking the Stereotype of Chelation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2889-2892	4.6	53
40	CD146-targeted immunoPET and NIRF Imaging of Hepatocellular Carcinoma with a Dual-Labeled Monoclonal Antibody. <i>Theranostics</i> , 2016 , 6, 1918-33	3.9	46
39	PET imaging of CD105/endothelin expression with a ⁶⁷ Cu-labeled Fab antibody fragment. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013 , 40, 759-67	2.2	39
38	Chelator-Free Labeling of Layered Double Hydroxide Nanoparticles for in Vivo PET Imaging. <i>Scientific Reports</i> , 2015 , 5, 16930	1.5	39
37	Very high specific activity ⁶⁷ Cu from zinc targets for PET. <i>Applied Radiation and Isotopes</i> , 2012 , 70, 1792-6	0.6	37
36	Positron emission tomography imaging of tumor angiogenesis with a ⁶⁶ Ga-labeled monoclonal antibody. <i>Molecular Pharmaceutics</i> , 2012 , 9, 1441-8	1.6	32
35	Intrinsic radiolabeling of Titanium-45 using mesoporous silica nanoparticles. <i>Acta Pharmacologica Sinica</i> , 2017 , 38, 907-913	2.4	31
34	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	1.6	29
33	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	3.3	27
32	Radiomanganese PET Detects Changes in Functional β -Cell Mass in Mouse Models of Diabetes. <i>Diabetes</i> , 2017 , 66, 2163-2174	0.3	26
31	Radiolabeled polyoxometalate clusters: Kidney dysfunction evaluation and tumor diagnosis by positron emission tomography imaging. <i>Biomaterials</i> , 2018 , 171, 144-152	4.5	26
30	Intrinsically Zirconium-89 Labeled Gd ₂ O ₃ :S:Eu Nanoprobes for In Vivo Positron Emission Tomography and Gamma-Ray-Induced Radioluminescence Imaging. <i>Small</i> , 2016 , 12, 2872-6	3.3	24
29	Radiolabeled pertuzumab for imaging of human epidermal growth factor receptor 2 expression in ovarian cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 44, 1296-1305	2.2	23

28	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	3.3	23
27	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	1.6	22
26	ImmunoPET Imaging of CD146 Expression in Malignant Brain Tumors. <i>Molecular Pharmaceutics</i> , 2016 , 13, 2563-70	1.6	20
25	Cyclotron production and radiochemical separation of Co and Co from Fe, Ni and Fe targets. <i>Applied Radiation and Isotopes</i> , 2017 , 130, 90-101	0.6	20
24	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	0.6	19
23	Preparation and in vivo characterization of MnCl as PET tracer of Ca channel-mediated transport. <i>Scientific Reports</i> , 2017 , 7, 3033	1.5	16
22	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	1.6	14
21	Positron emission tomography imaging of CD105 expression in a rat myocardial infarction model with (⁶⁴)Cu-NOTA-TRC105. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2013 , 4, 1-9	0.5	14
20	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	0.5	13
19	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	0.5	11
18	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	1.6	11
17	Spot-welding solid targets for high current cyclotron irradiation. <i>Applied Radiation and Isotopes</i> , 2016 , 118, 350-353	0.6	11
16	ImmunoPET imaging of tissue factor expression in pancreatic cancer with Zr-Df-ALT-836. <i>Journal of Controlled Release</i> , 2017 , 264, 160-168	3.7	10
15	Chelator-Free Radiolabeling of Nanographene: Breaking the Stereotype of Chelation. <i>Angewandte Chemie</i> , 2017 , 129, 2935-2938	0.7	9
14	ImmunoPET Imaging of CD146 in Murine Models of Intrapulmonary Metastasis of Non-Small Cell Lung Cancer. <i>Molecular Pharmaceutics</i> , 2017 , 14, 3239-3247	1.6	9
13	⁴⁵ Ti extraction using hydroxamate resin 2012 ,		8
12	ImmunoPET of CD146 in a Murine Hindlimb Ischemia Model. <i>Molecular Pharmaceutics</i> , 2018 , 15, 3434-3441	1.6	7
11	⁴⁴ gSc from metal calcium targets for PET 2012 ,		7

10	55Co separation from proton irradiated metallic nickel 2014 ,		6
9	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	0.5	6
8	Auger electron-based targeted radioimmunotherapy with 58mCo, a feasibility study 2016 ,		5
7	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	0.5	4
6	Half-life of Mn. <i>Physical Review C</i> , 2017 , 96,	1	3
5	Prompt radiation detectors to monitor target conditions 2012 ,		3
4	Simplified and reproducible radiochemical separations for the production of high specific activity 61Cu, 64Cu, 86Y and 55Co 2017 ,		2
3	An after-market, five-port vertical beam line extension for the PETtrace 2012 ,		2
2	Earth, air, fire and water: A targetry quartet 2017 ,		1
1	TH-EF-207A-02: Imaging Pancreatic β -Cell Function with 51/52Mn-PET. <i>Medical Physics</i> , 2016 , 43, 3900-3900	0	0