

Wawrzyniec L Dobrucki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5653545/publications.pdf>

Version: 2024-02-01

98
papers

4,868
citations

108046

37
h-index

107981

68
g-index

102
all docs

102
docs citations

102
times ranked

8230
citing authors

#	ARTICLE	IF	CITATIONS
1	Dextran-Mimetic Quantum Dots for Multimodal Macrophage Imaging <i>In Vivo</i> , <i>Ex Vivo</i> , and <i>In Situ</i> . <i>ACS Nano</i> , 2022, 16, 1999-2012.	7.3	17
2	Molecular Imaging and Nanotechnology—Emerging Tools in Diagnostics and Therapy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2658.	1.8	12
3	Nanocarriers targeting adipose macrophages increase glucocorticoid anti-inflammatory potency to ameliorate metabolic dysfunction. <i>Biomaterials Science</i> , 2021, 9, 506-518.	2.6	12
4	Molecularly targeted nanoparticles: an emerging tool for evaluation of expression of the receptor for advanced glycation end products in a murine model of peripheral artery disease. <i>Cellular and Molecular Biology Letters</i> , 2021, 26, 10.	2.7	5
5	Hexachromatic bioinspired camera for image-guided cancer surgery. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	27
6	Multimodal Nanocarrier Probes Reveal Superior Biodistribution Quantification by Isotopic Analysis over Fluorescence. <i>ACS Nano</i> , 2020, 14, 509-523.	7.3	23
7	Imaging the Landmarks of Vascular Recovery. <i>Theranostics</i> , 2020, 10, 1733-1745.	4.6	8
8	A quantification of soil porosity using X-ray Computed Tomography of a Drummer silty clay loam soil<i></i>. , 2020, , .		2
9	Pathogenesis of psoriasis in the “omicron”era. Part II. Genetic, genomic and epigenetic changes in psoriasis. <i>Postepy Dermatologii I Alergologii</i> , 2020, 37, 283-298.	0.4	29
10	Pathogenesis of psoriasis in the “omicron”era. Part III. Metabolic disorders, metabolomics, nutrigenomics in psoriasis in psoriasis. <i>Postepy Dermatologii I Alergologii</i> , 2020, 37, 452-467.	0.4	26
11	Intratumoral generation of photothermal gold nanoparticles through a vectorized biomineralization of ionic gold. <i>Nature Communications</i> , 2020, 11, 4530.	5.8	59
12	Pathogenesis of psoriasis in the “omicron”era. Part I. Epidemiology, clinical manifestation, immunological and neuroendocrine disturbances. <i>Postepy Dermatologii I Alergologii</i> , 2020, 37, 135-153.	0.4	28
13	Quantitative imaging of the receptor for advanced glycation end-products in prostate cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2562-2576.	3.3	13
14	Targeted Imaging of Abdominal Aortic Aneurysm. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e010495.	1.3	3
15	Aberrant Expression of a Non-muscle RBFOX2 Isoform Triggers Cardiac Conduction Defects in Myotonic Dystrophy. <i>Developmental Cell</i> , 2020, 52, 748-763.e6.	3.1	31
16	Modification of DNA structure by reactive nitrogen species as a result of 2-methoxyestradiol–induced neuronal nitric oxide synthase uncoupling in metastatic osteosarcoma cells. <i>Redox Biology</i> , 2020, 32, 101522.	3.9	10
17	<i>Streptococcus pneumoniae</i> Elaborates Persistent and Prolonged Competent State during Pneumonia-Derived Sepsis. <i>Infection and Immunity</i> , 2020, 88, .	1.0	9
18	Pathogenesis of psoriasis in the “omicron”era. Part IV. Epidemiology, genetics, immunopathogenesis, clinical manifestation and treatment of psoriatic arthritis. <i>Postepy Dermatologii I Alergologii</i> , 2020, 37, 625-634.	0.4	8

#	ARTICLE	IF	CITATIONS
19	A 27-band snapshot hyperspectral imaging system for label-free tumor detection during image-guided surgery. , 2019, , .		2
20	Albumin as a "Trojan Horse" for polymeric nanoconjugate transendothelial transport across tumor vasculatures for improved cancer targeting. <i>Biomaterials Science</i> , 2018, 6, 1189-1200.	2.6	19
21	Pixelated spatial gene expression analysis from tissue. <i>Nature Communications</i> , 2018, 9, 202.	5.8	24
22	The impact of mechanically stimulated muscle-derived stromal cells on aged skeletal muscle. <i>Experimental Gerontology</i> , 2018, 103, 35-46.	1.2	7
23	Evaluation of a dimeric-cRGD peptide for targeted PET-CT imaging of peripheral angiogenesis in diabetic mice. <i>Scientific Reports</i> , 2018, 8, 5401.	1.6	10
24	Multimodal imaging of the receptor for advanced glycation end-products with molecularly targeted nanoparticles. <i>Theranostics</i> , 2018, 8, 5012-5024.	4.6	29
25	Multidimensional Clutter Filter Optimization for Ultrasonic Perfusion Imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018, 65, 2020-2029.	1.7	26
26	Surveillance of Cancer Stem Cell Plasticity Using an Isoform-Selective Fluorescent Probe for Aldehyde Dehydrogenase 1A1. <i>ACS Central Science</i> , 2018, 4, 1045-1055.	5.3	39
27	eNOS expression and NO release during hypoxia is inhibited by miR-200b in human endothelial cells. <i>Angiogenesis</i> , 2018, 21, 711-724.	3.7	50
28	Selective in vivo metabolic cell-labeling-mediated cancer targeting. <i>Nature Chemical Biology</i> , 2017, 13, 415-424.	3.9	274
29	Melanoma topology reveals a stem-like phenotype that promotes angiogenesis. <i>Science Advances</i> , 2017, 3, e1701350.	4.7	25
30	Expanding Acquisition and Clutter Filter Dimensions for Improved Perfusion Sensitivity. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2017, 64, 1429-1438.	1.7	25
31	A bioreducible N-oxide-based probe for photoacoustic imaging of hypoxia. <i>Nature Communications</i> , 2017, 8, 1794.	5.8	177
32	Synthesis, Chemical Characterization and Multiscale Biological Evaluation of a Dimeric-cRGD Peptide for Targeted Imaging of $\alpha_3\beta_1$ Integrin Activity. <i>Scientific Reports</i> , 2017, 7, 3185.	1.6	18
33	Optimal filtering for improved perfusion sensitivity. , 2017, , .		0
34	Multimodal Assessment of Mesenchymal Stem Cell Therapy for Diabetic Vascular Complications. <i>Theranostics</i> , 2017, 7, 3876-3888.	4.6	20
35	Notice of Removal: Optimal clutter filtering for improved perfusion sensitivity. , 2017, , .		0
36	<i>In Vivo</i> Targeting of Metabolically Labeled Cancers with Ultra-Small Silica Nanoconjugates. <i>Theranostics</i> , 2016, 6, 1467-1476.	4.6	34

#	ARTICLE	IF	CITATIONS
37	Pamidronate functionalized nanoconjugates for targeted therapy of focal skeletal malignant osteolysis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4601-9.	3.3	71
38	Efficient Targeting of Adipose Tissue Macrophages in Obesity with Polysaccharide Nanocarriers. ACS Nano, 2016, 10, 6952-6962.	7.3	82
39	SPECT Imaging of 2-D and 3-D Distributed Sources with Near-Field Coded Aperture Collimation: Computer Simulation and Real Data Validation. Journal of Medical and Biological Engineering, 2016, 36, 32-43.	1.0	12
40	Bioorthogonal oxime ligation mediated in vivo cancer targeting. Chemical Science, 2015, 6, 2182-2186.	3.7	28
41	Enhancement and wavelength-shifted emission of Cerenkov luminescence using multifunctional microspheres. Physics in Medicine and Biology, 2015, 60, 727-739.	1.6	16
42	Multiscale Imaging of Nanoparticle Drug Delivery. Current Drug Targets, 2015, 16, 560-570.	1.0	15
43	Investigating the optimal size of anticancer nanomedicine. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15344-15349.	3.3	523
44	Ceramide-Activated Phosphatase Mediates Fatty Acid-Induced Endothelial VEGF Resistance and Impaired Angiogenesis. American Journal of Pathology, 2014, 184, 1562-1576.	1.9	41
45	Selective delivery of an anticancer drug with aptamer-functionalized liposomes to breast cancer cells in vitro and in vivo. Journal of Materials Chemistry B, 2013, 1, 5288.	2.9	167
46	Poly(iohexol) Nanoparticles As Contrast Agents for in Vivo X-ray Computed Tomography Imaging. Journal of the American Chemical Society, 2013, 135, 13620-13623.	6.6	92
47	Drug-Initiated Ring-Opening Polymerization of α -Carboxyanhydrides for the Preparation of Anticancer Drug-Poly(α -carboxyanhydride) Nanoconjugates. Biomacromolecules, 2013, 14, 920-929.	2.6	70
48	New Approach to Quantification of Molecularly Targeted Radiotracer Uptake from Hybrid Cardiac SPECT/CT: Methodology and Validation. Journal of Nuclear Medicine, 2013, 54, 2175-2181.	2.8	8
49	Nitric Oxide Production and Endothelium-Dependent Vasorelaxation Ameliorated by N^G -Methylnicotinamide in Human Blood Vessels. Hypertension, 2012, 59, 825-832.	1.3	41
50	Endothelial-derived neuregulin is an important mediator of ischaemia-induced angiogenesis and arteriogenesis. Cardiovascular Research, 2012, 93, 516-524.	1.8	54
51	Aptamer-Functionalized, Ultra-Small, Monodisperse Silica Nanoconjugates for Targeted Dual-Modal Imaging of Lymph Nodes with Metastatic Tumors. Angewandte Chemie - International Edition, 2012, 51, 12721-12726.	7.2	96
52	Molecular Imaging of Left Ventricular Remodeling. Current Cardiovascular Imaging Reports, 2012, 5, 188-197.	0.4	0
53	Development and Application of a Multimodal Contrast Agent for SPECT/CT Hybrid Imaging. Bioconjugate Chemistry, 2011, 22, 1784-1792.	1.8	53
54	A non-rigid registration method for serial lower extremity hybrid SPECT/CT imaging. Medical Image Analysis, 2011, 15, 96-111.	7.0	18

#	ARTICLE	IF	CITATIONS
55	Targeted Imaging of the Spatial and Temporal Variation of Matrix Metalloproteinase Activity in a Porcine Model of Postinfarct Remodeling. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 381-391.	1.3	92
56	Tissue-engineered vascular grafts form neovessels that arise from regeneration of the adjacent blood vessel. <i>FASEB Journal</i> , 2011, 25, 2731-2739.	0.2	136
57	Matrix Metalloproteinase Activation Predicts Amelioration of Remodeling After Dietary Modification in Injured Arteries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 102-109.	1.1	27
58	Accuracy and Reproducibility of Absolute Quantification of Myocardial Focal Tracer Uptake from Molecularly Targeted SPECT/CT: A Canine Validation. <i>Journal of Nuclear Medicine</i> , 2011, 52, 453-460.	2.8	10
59	Atherosclerosis Plaque Heterogeneity and Response to Therapy Detected by In Vivo Molecular Imaging of Matrix Metalloproteinase Activation. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1795-1802.	2.8	61
60	Cardiac Restricted Overexpression of Membrane Type-1 Matrix Metalloproteinase Causes Adverse Myocardial Remodeling following Myocardial Infarction. <i>Journal of Biological Chemistry</i> , 2010, 285, 30316-30327.	1.6	55
61	Approaches to Multimodality Imaging of Angiogenesis. <i>Journal of Nuclear Medicine</i> , 2010, 51, 66S-79S.	2.8	42
62	PET and SPECT in cardiovascular molecular imaging. <i>Nature Reviews Cardiology</i> , 2010, 7, 38-47.	6.1	145
63	Recent progress on SPECT imaging with near-field coded aperture collimation: A small animal study. , 2010, , .		0
64	Molecular Imaging of Matrix Metalloproteinase Activation to Predict Murine Aneurysm Expansion In Vivo. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1107-1115.	2.8	43
65	Analysis of angiogenesis induced by local IGF-1 expression after myocardial infarction using microSPECT-CT imaging. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 1071-1079.	0.9	62
66	Approaches to Multimodality Imaging of Angiogenesis. <i>Journal of Nuclear Medicine</i> , 2010, 51, 66S-79S.	2.8	18
67	Serial Noninvasive Targeted Imaging of Peripheral Angiogenesis: Validation and Application of a Semiautomated Quantitative Approach. <i>Journal of Nuclear Medicine</i> , 2009, 50, 1356-1363.	2.8	36
68	A non-parametric vessel detection method for complex vascular structures. <i>Medical Image Analysis</i> , 2009, 13, 49-61.	7.0	58
69	A Non-rigid Registration Method for Serial microCT Mouse Hindlimb Images. <i>Lecture Notes in Computer Science</i> , 2009, 12, 688-695.	1.0	1
70	Transimmunization for immunotherapy of head and neck squamous cell carcinoma (HNSCC). <i>Clinical Otolaryngology</i> , 2008, 33, 644-644.	0.6	0
71	Molecular Imaging of Activated Matrix Metalloproteinases in Vascular Remodeling. <i>Circulation</i> , 2008, 118, 1953-1960.	1.6	94
72	Hotspot quantification of myocardial focal tracer uptake from molecular targeted SPECT/CT images: experimental validation. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
73	Targeted imaging of hypoxia-induced integrin activation in myocardium early after infarction. <i>Journal of Applied Physiology</i> , 2008, 104, 1504-1512.	1.2	39
74	Detection of Complex Vascular Structures using Polar Neighborhood Intensity Profile. , 2007, , .		2
75	Imaging angiogenesis. <i>Current Opinion in Biotechnology</i> , 2007, 18, 90-96.	3.3	42
76	Imaging of Angiogenesis. , 2007, , 394-411.		1
77	Differential Functions of Tumor Necrosis Factor Receptor 1 and 2 Signaling in Ischemia-Mediated Arteriogenesis and Angiogenesis. <i>American Journal of Pathology</i> , 2006, 169, 1886-1898.	1.9	123
78	Development of a model system for preliminary evaluation of tissue-engineered vascular conduits. <i>Journal of Pediatric Surgery</i> , 2006, 41, 787-791.	0.8	21
79	Matrix metalloproteinase-9 gene deletion facilitates angiogenesis after myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H232-H239.	1.5	178
80	Molecular cardiovascular imaging. <i>Current Cardiology Reports</i> , 2005, 7, 130-135.	1.3	15
81	Noninvasive Targeted Imaging of Matrix Metalloproteinase Activation in a Murine Model of Postinfarction Remodeling. <i>Circulation</i> , 2005, 112, 3157-3167.	1.6	187
82	Noninvasive Imaging of Angiogenesis With a 99m Tc-Labeled Peptide Targeted at $\alpha_5 \beta_3$ Integrin After Murine Hindlimb Ischemia. <i>Circulation</i> , 2005, 111, 3255-3260.	1.6	150
83	Cardiovascular molecular imaging. <i>Seminars in Nuclear Medicine</i> , 2005, 35, 73-81.	2.5	41
84	Articulated Rigid Registration for Serial Lower-Limb Mouse Imaging. <i>Lecture Notes in Computer Science</i> , 2005, 8, 919-926.	1.0	23
85	A New Method for SPECT Quantification of Targeted Radiotracers Uptake in the Myocardium. <i>Lecture Notes in Computer Science</i> , 2005, 8, 684-691.	1.0	7
86	Characterizing Vascular Connectivity from microCT Images. <i>Lecture Notes in Computer Science</i> , 2005, 8, 701-708.	1.0	9
87	Nuclear cardiology: The basics?How to set up and maintain a laboratoryFrans J. Th. Wackers, MD, PhD, Wendy Bruni, BS, CNMT, and Barry L. Zaret, MD. Totowa (NJ): Humana Press; 2003. <i>Journal of Nuclear Cardiology</i> , 2004, 11, 364-365.	1.4	0
88	Combined l-arginine and antioxidative vitamin treatment mollifies ischemia-reperfusion injury of skeletal muscle. <i>Journal of Vascular Surgery</i> , 2004, 39, 868-877.	0.6	30
89	Ramipril improves nitric oxide availability in hypertensive rats with failing hearts after myocardial infarction. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2003, 4, 180-185.	1.0	7
90	Third-Generation β_1 -Blockers Stimulate Nitric Oxide Release From Endothelial Cells Through ATP Efflux. <i>Circulation</i> , 2003, 107, 2747-2752.	1.6	222

#	ARTICLE	IF	CITATIONS
91	Increased Nitric Oxide Bioavailability in Endothelial Cells Contributes to the Pleiotropic Effect of Cerivastatin. <i>Circulation</i> , 2002, 105, 933-938.	1.6	132
92	AVE 0991, a Nonpeptide Mimic of the Effects of Angiotensin-(1 α 7) on the Endothelium. <i>Hypertension</i> , 2002, 40, 847-852.	1.3	173
93	Nitric Oxide Measurements during Endotoxemia. <i>Clinical Chemistry</i> , 2001, 47, 1068-1074.	1.5	10
94	Central Hypotensive Action of Clonidine Requires Nitric Oxide. <i>Circulation</i> , 2001, 104, 1884-1886.	1.6	15
95	Nitric oxide as a second messenger in parathyroid hormone-related protein signaling. <i>Journal of Endocrinology</i> , 2001, 170, 433-440.	1.2	50
96	Nitric Oxide Deficiency Contributes to Large Cerebral Infarct Size. <i>Hypertension</i> , 2000, 35, 1111-1118.	1.3	20
97	THE ROLE OF NITRIC OXIDE IN ISCHEMIA OF THE BRAIN AND HEART. <i>Shock</i> , 1999, 12, 40.	1.0	0
98	Overexpression of a Non-Muscle RBFOX2 Isoform Triggers Cardiac Conduction Defects in Myotonic Dystrophy. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0