

Laura Mezzanotte

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

4,614
citations

117625

34
h-index

98798

67
g-index

80
all docs

80
docs citations

80
times ranked

5834
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Multimodal Tumor Necrosis Imaging with IRDye800CW-DOTA Conjugated to an Albumin-Binding Domain. <i>Cancers</i> , 2022, 14, 861.	3.7	0
2	Intraoperative MET-receptor targeted fluorescent imaging and spectroscopy for lymph node detection in papillary thyroid cancer: novel diagnostic tools for more selective central lymph node compartment dissection. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 3557-3570.	6.4	7
3	Investigation of the Therapeutic Potential of Nanobody-Targeted Photodynamic Therapy in an Orthotopic Head and Neck Cancer Model. <i>Methods in Molecular Biology</i> , 2022, 2451, 521-531.	0.9	0
4	Near-Infrared Bioluminescence Imaging of Macrophage Sensors for Cancer Detection In Vivo. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, .	4.1	4
5	Red-shifted click beetle luciferase mutant expands the multicolor bioluminescent palette for deep tissue imaging. <i>IScience</i> , 2021, 24, 101986.	4.1	29
6	Development of a New Hyaluronic Acid Based Redox-Responsive Nanohydrogel for the Encapsulation of Oncolytic Viruses for Cancer Immunotherapy. <i>Nanomaterials</i> , 2021, 11, 144.	4.1	23
7	Evaluation of NanoLuc substrates for bioluminescence imaging of transferred cells in mice. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 216, 112128.	3.8	23
8	Necrosis binding of Ac-Lys0(IRDye800CW)-Tyr3-octreotate: a consequence from cyanine-labeling of small molecules. <i>EJNMMI Research</i> , 2021, 11, 47.	2.5	5
9	Emerging tools for bioluminescence imaging. <i>Current Opinion in Chemical Biology</i> , 2021, 63, 86-94.	6.1	44
10	Near-infrared bioluminescence imaging of two cell populations in living mice. <i>STAR Protocols</i> , 2021, 2, 100662.	1.2	2
11	Dually Cross-Linked Core-Shell Structure Nanohydrogel with Redox-Responsive Degradability for Intracellular Delivery. <i>Pharmaceutics</i> , 2021, 13, 2048.	4.5	3
12	In Vivo Evaluation of Gallium-68-Labeled IRDye800CW as a Necrosis Avid Contrast Agent in Solid Tumors. <i>Contrast Media and Molecular Imaging</i> , 2021, 2021, 1-8.	0.8	3
13	First Report on Ex Vivo Delivery of Paracrine Active Human Mesenchymal Stromal Cells to Liver Grafts During Machine Perfusion. <i>Transplantation</i> , 2020, 104, e5-e7.	1.0	30
14	Evaluating Brightness and Spectral Properties of Click Beetle and Firefly Luciferases Using Luciferin Analogues: Identification of Preferred Pairings of Luciferase and Substrate for In Vivo Bioluminescence Imaging. <i>Molecular Imaging and Biology</i> , 2020, 22, 1523-1531.	2.6	21
15	pH-Channeling in Cancer: How pH-Dependence of Cation Channels Shapes Cancer Pathophysiology. <i>Cancers</i> , 2020, 12, 2484.	3.7	31
16	NanoBiT System and Hydrofurimazine for Optimized Detection of Viral Infection in Mice—A Novel In Vivo Imaging Platform. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5863.	4.1	10
17	In Vivo Evaluation of Indium-111-Labeled 800CW as a Necrosis-Avid Contrast Agent. <i>Molecular Imaging and Biology</i> , 2020, 22, 1333-1341.	2.6	6
18	Nanobody-targeted photodynamic therapy induces significant tumor regression of trastuzumab-resistant HER2-positive breast cancer, after a single treatment session. <i>Journal of Controlled Release</i> , 2020, 323, 269-281.	9.9	49

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19	Detecting tumour-positive resection margins after oral cancer surgery by spraying a fluorescent tracer activated by gamma-glutamyltranspeptidase. <i>Oral Oncology</i> , 2018, 78, 1-7.	1.5	28
20	Click beetle luciferase mutant and near infrared naphthyl-luciferins for improved bioluminescence imaging. <i>Nature Communications</i> , 2018, 9, 132.	12.8	101
21	A Dual-Color Bioluminescence Reporter Mouse for Simultaneous in vivo Imaging of T Cell Localization and Function. <i>Frontiers in Immunology</i> , 2018, 9, 3097.	4.8	32
22	Optimized Longitudinal Monitoring of Stem Cell Grafts in Mouse Brain Using a Novel Bioluminescent/Near Infrared Fluorescent Fusion Reporter. <i>Cell Transplantation</i> , 2017, 26, 1878-1889.	2.5	11
23	Traumatic Brain Injury: Preclinical Imaging Diagnostic(s) and Therapeutic Approaches. <i>Current Pharmaceutical Design</i> , 2017, 23, 1909-1915.	1.9	9
24	Targeting Nanomedicine to Brain Tumors: Latest Progress and Achievements. <i>Current Pharmaceutical Design</i> , 2017, 23, 1953-1962.	1.9	8
25	Interleukin 6/Wnt interactions in rheumatoid arthritis: interleukin 6 inhibits Wnt signaling in synovial fibroblasts and osteoblasts. <i>Croatian Medical Journal</i> , 2016, 57, 89-98.	0.7	46
26	The Necrosis-Avid Small Molecule HQ4-DTPA as a Multimodal Imaging Agent for Monitoring Radiation Therapy-Induced Tumor Cell Death. <i>Frontiers in Oncology</i> , 2016, 6, 221.	2.8	11
27	Fate of Multimeric Oligomers, Submicron, and Micron Size Aggregates of Monoclonal Antibodies Upon Subcutaneous Injection in Mice. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 1693-1704.	3.3	19
28	Targeted nanoparticles for the non-invasive detection of traumatic brain injury by optical imaging and fluorine magnetic resonance imaging. <i>Nano Research</i> , 2016, 9, 1276-1289.	10.4	26
29	Development of a Multicolor Bioluminescence Imaging Platform to Simultaneously Investigate Transcription Factor NF- κ B Signaling and Apoptosis. <i>Methods in Molecular Biology</i> , 2016, 1461, 255-270.	0.9	3
30	Pre-clinical Evaluation of a Cyanine-Based SPECT Probe for Multimodal Tumor Necrosis Imaging. <i>Molecular Imaging and Biology</i> , 2016, 18, 905-915.	2.6	17
31	In Vivo Non-Invasive Tracking of Macrophage Recruitment to Experimental Stroke. <i>PLoS ONE</i> , 2016, 11, e0156626.	2.5	7
32	Alternative delivery of a thermostable inactivated polio vaccine. <i>Vaccine</i> , 2015, 33, 2030-2037.	3.8	21
33	Necrosis avid near infrared fluorescent cyanines for imaging cell death and their use to monitor therapeutic efficacy in mouse tumor models. <i>Oncotarget</i> , 2015, 6, 39036-39049.	1.8	28
34	A New Multicolor Bioluminescence Imaging Platform to Investigate NF- κ B Activity and Apoptosis in Human Breast Cancer Cells. <i>PLoS ONE</i> , 2014, 9, e85550.	2.5	35
35	Ultrasound-mediated gene delivery of naked plasmid DNA in skeletal muscles: A case for bolus injections. <i>Journal of Controlled Release</i> , 2014, 195, 130-137.	9.9	16
36	A novel luciferase fusion protein for highly sensitive optical imaging: from single-cell analysis to in vivo whole-body bioluminescence imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5727-5734.	3.7	22

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37	A multi-modality platform to image stem cell graft survival in the naïve and stroke-damaged mouse brain. <i>Biomaterials</i> , 2014, 35, 2218-2226.	11.4	47
38	Evaluating reporter genes of different luciferases for optimized <i>in vivo</i> bioluminescence imaging of transplanted neural stem cells in the brain. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 505-513.	0.8	60
39	Sensitive Dual Color In Vivo Bioluminescence Imaging Using a New Red Codon Optimized Firefly Luciferase and a Green Click Beetle Luciferase. <i>PLoS ONE</i> , 2011, 6, e19277.	2.5	88
40	Oestrogenic Compounds Modulate Cytokine-induced Nitric Oxide Production in Mouse Osteoblast-like Cells. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 51, 1409-1414.	2.4	11
41	Development of a Three-Dimensional In Vitro Model for Longitudinal Observation of Cell Behavior: Monitoring by Magnetic Resonance Imaging and Optical Imaging. <i>Molecular Imaging and Biology</i> , 2010, 12, 367-376.	2.6	13
42	In Vivo Bioluminescence Imaging of Murine Xenograft Cancer Models with a Red-shifted Thermostable Luciferase. <i>Molecular Imaging and Biology</i> , 2010, 12, 406-414.	2.6	26
43	Role of trimethylated chitosan (TMC) in nasal residence time, local distribution and toxicity of an intranasal influenza vaccine. <i>Journal of Controlled Release</i> , 2010, 144, 17-24.	9.9	61
44	First missense mutation in the SOST gene causing sclerosteosis by loss of sclerostin function. <i>Human Mutation</i> , 2010, 31, E1526-E1543.	2.5	52
45	Sclerostin and the regulation of bone formation: Effects in hip osteoarthritis and femoral neck fracture. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 1867-1876.	2.8	54
46	Nasal vaccination with N-trimethyl chitosan and PLGA based nanoparticles: Nanoparticle characteristics determine quality and strength of the antibody response in mice against the encapsulated antigen. <i>Vaccine</i> , 2010, 28, 6282-6291.	3.8	176
47	Bone Morphogenetic Protein 7 Inhibits Tumor Growth of Human Uveal Melanoma In Vivo. , 2007, 48, 4882.		24
48	Bone resorption and renal calcium reabsorption in renal cell carcinoma-bearing mice: the effects of bisphosphonate. <i>BJU International</i> , 2007, 99, 1530-1533.	2.5	1
49	Transition of healthy to diseased synovial tissue in rheumatoid arthritis is associated with gain of mesenchymal/fibrotic characteristics. <i>Arthritis Research and Therapy</i> , 2006, 8, R165.	3.5	80
50	The Tumor Suppressor Smad4 Is Required for Transforming Growth Factor β -Induced Epithelial to Mesenchymal Transition and Bone Metastasis of Breast Cancer Cells. <i>Cancer Research</i> , 2006, 66, 2202-2209.	0.9	344
51	Independent pathways in the modulation of osteoclastic resorption by intermediates of the mevalonate biosynthetic pathway: The role of the retinoic acid receptor. <i>Bone</i> , 2006, 38, 167-171.	2.9	16
52	Efficient <i>in vivo</i> knock-down of estrogen receptor alpha: application of recombinant adenovirus vectors for delivery of short hairpin RNA. <i>BMC Biotechnology</i> , 2006, 6, 11.	3.3	7
53	Bioluminescent imaging: Emerging technology for non-invasive imaging of bone tissue engineering. <i>Biomaterials</i> , 2006, 27, 1851-1858.	11.4	43
54	Human CD46-transgenic mice in studies involving replication-incompetent adenoviral type 35 vectors. <i>Journal of General Virology</i> , 2006, 87, 255-265.	2.9	29

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55	From The Cover: Murine malaria parasite sequestration: CD36 is the major receptor, but cerebral pathology is unlinked to sequestration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 11468-11473.	7.1	283
56	Endostatin's heparan sulfate-binding site is essential for inhibition of angiogenesis and enhances in situ binding to capillary-like structures in bone explants. <i>Matrix Biology</i> , 2005, 23, 557-561.	3.6	13
57	Dose-dependent effects of phytoestrogens on bone. <i>Trends in Endocrinology and Metabolism</i> , 2005, 16, 207-213.	7.1	111
58	Identification of differentially expressed genes in a renal cell carcinoma tumor model after endostatin-treatment. <i>Laboratory Investigation</i> , 2004, 84, 1472-1483.	3.7	7
59	In vivo imaging of transcriptionally active estrogen receptors. <i>Nature Medicine</i> , 2003, 9, 82-86.	30.7	273
60	In Vitro and in Vivo Endochondral Bone Formation Models Allow Identification of Anti-Angiogenic Compounds. <i>American Journal of Pathology</i> , 2003, 163, 157-163.	3.8	8
61	Design of a Variant of Vascular Endothelial Growth Factor-A (VEGF-A) Antagonizing KDR/Flk-1 and Flt-1. <i>Laboratory Investigation</i> , 2002, 82, 473-481.	3.7	18
62	Urokinase-Receptor/Integrin Complexes Are Functionally Involved in Adhesion and Progression of Human Breast Cancer in Vivo. <i>American Journal of Pathology</i> , 2001, 159, 971-982.	3.8	97
63	Monitoring Metastatic Behavior of Human Tumor Cells in Mice with Species-Specific Polymerase Chain Reaction: Elevated Expression of Angiogenesis and Bone Resorption Stimulators by Breast Cancer in Bone Metastases. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 1077-1091.	2.8	117
64	Effect of Angiogenic and Antiangiogenic Compounds on the Outgrowth of Capillary Structures from Fetal Mouse Bone Explants. <i>Laboratory Investigation</i> , 2001, 81, 5-15.	3.7	54
65	Expression of Indian Hedgehog, Parathyroid Hormone-Related Protein, and Their Receptors in the Postnatal Growth Plate of the Rat: Evidence for a Locally Acting Growth Restraining Feedback Loop After Birth. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 1045-1055.	2.8	135
66	The Monoclonal Antibodies 18d7/91f2 Recognize a Receptor Regulatory Protein on Mouse Bone Marrow Stromal Cells. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 1286-1300.	2.8	1
67	The Role of Geranylgeranylation in Bone Resorption and Its Suppression by Bisphosphonates in Fetal Bone Explants In Vitro: A Clue to the Mechanism of Action of Nitrogen-Containing Bisphosphonates. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 722-729.	2.8	216
68	Interleukin-17: A New Bone Acting Cytokine In Vitro. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 1513-1521.	2.8	150
69	Immunohistochemical investigations on the differentiation marker protein E11 in rat calvaria, calvaria cell culture and the osteoblastic cell line ROS 17/2.8. <i>Histochemistry and Cell Biology</i> , 1999, 111, 61-69.	1.7	70
70	Nitrogen-Containing Bisphosphonates Inhibit Isopentenyl Pyrophosphate Isomerase/Farnesyl Pyrophosphate Synthase Activity with Relative Potencies Corresponding to Their Antiresorptive Potencies In Vitro and In Vivo. <i>Biochemical and Biophysical Research Communications</i> , 1999, 255, 491-494.	2.1	191
71	Farnesyl Pyrophosphate Synthase Is the Molecular Target of Nitrogen-Containing Bisphosphonates. <i>Biochemical and Biophysical Research Communications</i> , 1999, 264, 108-111.	2.1	464
72	IL-1 α , IL-1 β , IL-6, and TNF- α Steady-State mRNA Levels Analyzed by Reverse Transcription-Competitive PCR in Bone Marrow of Gonadectomized Mice. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 185-194.	2.8	40

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73	Role of fibroblasts in the regulation of proinflammatory interleukin IL-1, IL-6 and IL-8 levels induced by keratinocyte-derived IL-1. Archives of Dermatological Research, 1996, 288, 391-398.	1.9	92
74	Dissociation of binding and antiresorptive properties of hydroxybisphosphonates by substitution of the hydroxyl with an amino group. Journal of Bone and Mineral Research, 1996, 11, 1492-1497.	2.8	84
75	In vitro and Ex vivo evidence that estrogens suppress increased bone resorption induced by ovariectomy or PTH stimulation through an effect on osteoclastogenesis. Journal of Bone and Mineral Research, 1995, 10, 1523-1530.	2.8	45
76	Ceramic hydroxyapatite implants for the release of bisphosphonate. Bone and Mineral, 1994, 25, 123-134.	1.9	49
77	Integrins and osteoclastic resorption in three bone organ cultures: Differential sensitivity to synthetic arg-gly-asp peptides during osteoclast formation. Journal of Bone and Mineral Research, 1994, 9, 1021-1028.	2.8	40
78	Structural requirements for bisphosphonate actions in vitro. Journal of Bone and Mineral Research, 1994, 9, 1875-1882.	2.8	117
79	Leukemia inhibitory factor inhibits osteoclastic resorption, growth, mineralization, and alkaline phosphatase activity in fetal mouse metacarpal bones in culture. Journal of Bone and Mineral Research, 1993, 8, 191-198.	2.8	51
80	Disodium 1-hydroxy-3-(1-pyrrolidinyl)-propylidene-1,1-bisphosphonate (EB-1053) is a potent inhibitor of bone resorption in vitro and in vivo. Journal of Bone and Mineral Research, 1992, 7, 981-986.	2.8	26