

Gabriela G Loots

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2177475/publications.pdf>

Version: 2024-02-01

115
papers

6,656
citations

108046

37
h-index

73587

79
g-index

123
all docs

123
docs citations

123
times ranked

9925
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic antibacterial minerals: harnessing a natural geochemical reaction to combat antibiotic resistance. <i>Scientific Reports</i> , 2022, 12, 1218.	1.6	7
2	Extracellular matrix modulates T cell clearance of malignant cells in vitro. <i>Biomaterials</i> , 2022, 282, 121378.	5.7	8
3	Bridging the gap: Compressing non-unions for proper cellular signaling. <i>Medical Hypotheses</i> , 2022, 160, 110794.	0.8	0
4	Preexisting Type 1 Diabetes Mellitus Blunts the Development of Posttraumatic Osteoarthritis. <i>JBMR Plus</i> , 2022, 6, e10625.	1.3	8
5	Interactions Between Diabetes Mellitus and Osteoarthritis: From Animal Studies to Clinical Data. <i>JBMR Plus</i> , 2022, 6, e10626.	1.3	5
6	MAVS mediates a protective immune response in the brain to Rift Valley fever virus. <i>PLoS Pathogens</i> , 2022, 18, e1010231.	2.1	12
7	Cadherin 11 Promotes Immunosuppression and Extracellular Matrix Deposition to Support Growth of Pancreatic Tumors and Resistance to Gemcitabine in Mice. <i>Gastroenterology</i> , 2021, 160, 1359-1372.e13.	0.6	41
8	Improving Bone Health by Optimizing the Anabolic Action of Wnt Inhibitor Multitargeting. <i>JBMR Plus</i> , 2021, 5, e10462.	1.3	7
9	Diabetes Promotes Mild Osteoarthritis in The Streptozotocin-Induced Diabetic Mouse Model. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
10	Single-Cell RNA-Seq Reveals Transcriptomic Heterogeneity and Post-Traumatic Osteoarthritis-Associated Early Molecular Changes in Mouse Articular Chondrocytes. <i>Cells</i> , 2021, 10, 1462.	1.8	44
11	Altered canalicular remodeling associated with femur fracture in mice. <i>Journal of Orthopaedic Research</i> , 2021, , .	1.2	2
12	Sclerostin Depletion Induces Inflammation in the Bone Marrow of Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9111.	1.8	5
13	Post-traumatic osteoarthritis progression is diminished by early mechanical unloading and anti-inflammatory treatment in mice. <i>Osteoarthritis and Cartilage</i> , 2021, 29, 1709-1719.	0.6	15
14	Antibiotic Treatment Prior to Injury Improves Post-Traumatic Osteoarthritis Outcomes in Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6424.	1.8	17
15	Single-Cell Transcriptomic Analysis of Tumor-Derived Fibroblasts and Normal Tissue-Resident Fibroblasts Reveals Fibroblast Heterogeneity in Breast Cancer. <i>Cancers</i> , 2020, 12, 1307.	1.7	148
16	LPS-Induced Inflammation Prior to Injury Exacerbates the Development of Post-Traumatic Osteoarthritis in Mice. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 2229-2241.	3.1	29
17	Electric Fields at Breast Cancer and Cancer Cell Collective Galvanotaxis. <i>Scientific Reports</i> , 2020, 10, 8712.	1.6	22
18	Comparative Molecular Analysis of Cancer Behavior Cultured In Vitro, In Vivo, and Ex Vivo. <i>Cancers</i> , 2020, 12, 690.	1.7	17

#	ARTICLE	IF	CITATIONS
19	Manipulation of the Gut Microbiome Alters Acetaminophen Biodisposition in Mice. Scientific Reports, 2020, 10, 4571.	1.6	18
20	Functional and transcriptional characterization of complex neuronal co-cultures. Scientific Reports, 2020, 10, 11007.	1.6	27
21	Osteogenic preconditioning in perfusion bioreactors improves vascularization and bone formation by human bone marrow aspirates. Science Advances, 2020, 6, eaay2387.	4.7	35
22	Global Gene Expression Analysis Identifies Age-Related Differences in Knee Joint Transcriptome during the Development of Post-Traumatic Osteoarthritis in Mice. International Journal of Molecular Sciences, 2020, 21, 364.	1.8	30
23	Abstract 2810: Epithelial-mesenchymal hybrid population changes from monolayer, spheroid, and tumoroidex vivoculture of syngeneic murine mammary tumors. , 2020, , .		0
24	Abstract 2757: Analysis of stromal myofibroblasts identifies secreted proteins that promote pancreatic ductal adenocarcinoma. , 2020, , .		0
25	Methionine Adenosyltransferase 1a (MAT1A) Enhances Cell Survival During Chemotherapy Treatment and is Associated with Drug Resistance in Bladder Cancer PDX Mice. International Journal of Molecular Sciences, 2019, 20, 4983.	1.8	10
26	Lrp4 Mediates Bone Homeostasis and Mechanotransduction through Interaction with Sclerostin In Vivo. IScience, 2019, 20, 205-215.	1.9	20
27	The Sustained Induction of c-MYC Drives Nab-Paclitaxel Resistance in Primary Pancreatic Ductal Carcinoma Cells. Molecular Cancer Research, 2019, 17, 1815-1827.	1.5	40
28	Expression of a Degradation-Resistant β -Catenin Mutant in Osteocytes Protects the Skeleton From Mechanodeprivation-Induced Bone Wasting. Journal of Bone and Mineral Research, 2019, 34, 1964-1975.	3.1	10
29	Radiocarbon Tracers in Toxicology and Medicine: Recent Advances in Technology and Science. Toxics, 2019, 7, 27.	1.6	7
30	Sostdc1 Regulates NK Cell Maturation and Cytotoxicity. Journal of Immunology, 2019, 202, 2296-2306.	0.4	11
31	Abstract 130: Characterization of the tumor microenvironment using single cell transcriptomics of triple negative breast cancer allografts treated with doxorubicin. , 2019, , .		0
32	Abstract 37: RNA-seq comparisons of <i>in vitro</i> and <i>in vivo</i> cancer model platforms: Monolayer, spheroids, immunodeficient, and syngeneic mouse model. , 2019, , .		0
33	Abstract 5157: Comparison of exosomes shed by breast cancer cell lines with varying metastatic potential. , 2019, , .		0
34	SOST/Sclerostin Improves Posttraumatic Osteoarthritis and Inhibits MMP2/3 Expression After Injury. Journal of Bone and Mineral Research, 2018, 33, 1105-1113.	3.1	47
35	Genetics of Sost/SOST in sclerosteosis and van Buchem disease animal models. Metabolism: Clinical and Experimental, 2018, 80, 38-47.	1.5	56
36	Regional Control of Hairless versus Hair-Bearing Skin by Dkk2. Cell Reports, 2018, 25, 2981-2991.e3.	2.9	30

#	ARTICLE	IF	CITATIONS
37	Tracking Tumor Colonization in Xenograft Mouse Models Using Accelerator Mass Spectrometry. <i>Scientific Reports</i> , 2018, 8, 15013.	1.6	4
38	Comparative Transcriptomics Identifies Novel Genes and Pathways Involved in Post-Traumatic Osteoarthritis Development and Progression. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2657.	1.8	27
39	Vhl deficiency in osteocytes produces high bone mass and hematopoietic defects. <i>Bone</i> , 2018, 116, 307-314.	1.4	32
40	Genomic Profiling in Bone. , 2018, , 55-75.		1
41	Shared and Unique Features Distinguishing Follicular T Helper and Regulatory Cells of Peripheral Lymph Node and Peyer's Patches. <i>Frontiers in Immunology</i> , 2018, 9, 714.	2.2	23
42	Global gene expression analysis identifies Mef2c as a potential player in Wnt16-mediated transcriptional regulation. <i>Gene</i> , 2018, 675, 312-321.	1.0	18
43	Conditional Deletion of <i>Sost</i> in MSC-Derived Lineages Identifies Specific Cell-Type Contributions to Bone Mass and B-Cell Development. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1748-1759.	3.1	39
44	Effects of Sclerostin Depletion on Hematopoietic Stem Cells in the Bone Marrow and Spleen. <i>Experimental Hematology</i> , 2018, 64, S61-S62.	0.2	0
45	Sclerostin neutralization unleashes the osteoanabolic effects of Dkk1 inhibition. <i>JCI Insight</i> , 2018, 3, .	2.3	63
46	Abstract 908: Overexpression of nicotinamide N-methyltransferase confers gemcitabine resistance in bladder cancer. , 2018, , .		0
47	Abstract 2528: Determining gene expression variability between in vitro and in vivo cancer models: Monolayer, spheroids, and mouse allografts. , 2018, , .		0
48	Abstract 2136: Transcriptome analysis of osteoblasts fused with cancer-derived exosomes. , 2018, , .		0
49	Wnt Signaling Pathway Inhibitor Sclerostin Inhibits Angiotensin II-Induced Aortic Aneurysm and Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 553-566.	1.1	127
50	Transcriptional control of Sost in bone. <i>Bone</i> , 2017, 96, 76-84.	1.4	60
51	Global molecular changes in a tibial compression induced ACL rupture model of post-traumatic osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2017, 35, 474-485.	1.2	48
52	Maternal exposure to an environmentally relevant dose of triclocarban results in perinatal exposure and potential alterations in offspring development in the mouse model. <i>PLoS ONE</i> , 2017, 12, e0181996.	1.1	19
53	Wnt co-receptors Lrp5 and Lrp6 differentially mediate Wnt3a signaling in osteoblasts. <i>PLoS ONE</i> , 2017, 12, e0188264.	1.1	26
54	Abstract 1977: Tracking cancer colonization in xenografts using ultrasensitive accelerator mass spectrometry methods. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
55	Sostdc1 deficiency accelerates fracture healing by promoting the expansion of periosteal mesenchymal stem cells. <i>Bone</i> , 2016, 88, 20-30.	1.4	32
56	Sost, independent of the non-coding enhancer ECR5, is required for bone mechanoadaptation. <i>Bone</i> , 2016, 92, 180-188.	1.4	18
57	Sclerostin antibody treatment improves fracture outcomes in a Type I diabetic mouse model. <i>Bone</i> , 2016, 82, 122-134.	1.4	60
58	Abstract 2106: Transcriptome analysis of patient-derived bladder cancer xenografts identifies genes associated with chemoresistance. , 2016, , .		0
59	Abstract 3891: Development of quantitative methods for assessing metastatic potential of human primary tumors. , 2016, , .		0
60	Cancerâ€™Osteoblast Interaction Reduces Sost Expression in Osteoblasts and Up-Regulates lncRNA MALAT1 in Prostate Cancer. <i>Microarrays (Basel, Switzerland)</i> , 2015, 4, 503-519.	1.4	32
61	SOST Inhibits Prostate Cancer Invasion. <i>PLoS ONE</i> , 2015, 10, e0142058.	1.1	27
62	1 α ,25-dihydroxyvitamin D3 stimulates human SOST gene expression and sclerostin secretion. <i>Molecular and Cellular Endocrinology</i> , 2015, 413, 157-167.	1.6	43
63	Parathyroid hormone regulation of hypoxia-inducible factor signaling in osteoblastic cells. <i>Bone</i> , 2015, 81, 97-103.	1.4	7
64	Evaluation of Nanolipoprotein Particles (NLPs) as an In Vivo Delivery Platform. <i>PLoS ONE</i> , 2014, 9, e93342.	1.1	42
65	Nanocomposite Scaffold for Chondrocyte Growth and Cartilage Tissue Engineering: Effects of Carbon Nanotube Surface Functionalization. <i>Tissue Engineering - Part A</i> , 2014, 20, 2305-2315.	1.6	77
66	The use of nanolipoprotein particles to enhance the immunostimulatory properties of innate immune agonists against lethal influenza challenge. <i>Biomaterials</i> , 2013, 34, 10305-10318.	5.7	33
67	Prostate cancer invasion and metastasis: insights from mining genomic data. <i>Briefings in Functional Genomics</i> , 2013, 12, 397-410.	1.3	29
68	Sost and its paralog Sostdc1 coordinate digit number in a Gli3-dependent manner. <i>Developmental Biology</i> , 2013, 383, 90-105.	0.9	47
69	How genomics is changing our view of cancer. <i>Briefings in Functional Genomics</i> , 2013, 12, 389-390.	1.3	0
70	Genomic Profiling in Bone. , 2013, , 101-121.		0
71	Interrogating Transcriptional Regulatory Sequences in Tol2-Mediated <i>Xenopus</i> Transgenics. <i>PLoS ONE</i> , 2013, 8, e68548.	1.1	3
72	Effect of Age and Cytoskeletal Elements on the Indentation-Dependent Mechanical Properties of Chondrocytes. <i>PLoS ONE</i> , 2013, 8, e61651.	1.1	29

#	ARTICLE	IF	CITATIONS
73	Targeted deletion of <i>Sost</i> distal enhancer increases bone formation and bone mass. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14092-14097.	3.3	118
74	TGF- β 2 regulates sclerostin expression via the ECR5 enhancer. Bone, 2012, 50, 663-669.	1.4	56
75	Long-term administration of AMD3100, an antagonist of SDF-1/CXCR4 signaling, alters fracture repair. Journal of Orthopaedic Research, 2012, 30, 1853-1859.	1.2	65
76	Absence of sclerostin adversely affects B-cell survival. Journal of Bone and Mineral Research, 2012, 27, 1451-1461.	3.1	80
77	Prostaglandin E2 Signals Through PTGER2 to Regulate Sclerostin Expression. PLoS ONE, 2011, 6, e17772.	1.1	59
78	Global Gene Expression Analysis of Murine Limb Development. PLoS ONE, 2011, 6, e28358.	1.1	76
79	Absence of the Wnt Antagonist Sclerostin Adversely Affects B Cell Development in the Bone Marrow Niche. Blood, 2011, 118, 220-220.	0.6	1
80	Parathyroid hormone (PTH)-induced bone gain is blunted in <i>SOST</i> overexpressing and deficient mice. Journal of Bone and Mineral Research, 2010, 25, 178-189.	3.1	234
81	Hypoxia decreases sclerostin expression and increases Wnt signaling in osteoblasts. Journal of Cellular Biochemistry, 2010, 110, 457-467.	1.2	106
82	Human Variation in Short Regions Predisposed to Deep Evolutionary Conservation. Molecular Biology and Evolution, 2010, 27, 1279-1288.	3.5	7
83	Genetic evidence that SOST inhibits WNT signaling in the limb. Developmental Biology, 2010, 342, 169-179.	0.9	44
84	PTH-induced bone anabolism is blunted in SOST overexpressing mice. Bone, 2008, 42, S56-S57.	1.4	0
85	Chapter 10 Genomic Identification of Regulatory Elements by Evolutionary Sequence Comparison and Functional Analysis. Advances in Genetics, 2008, 61, 269-293.	0.8	27
86	Application of Carbon Nanotubes in Cartilage Tissue Engineering. , 2008, , .		2
87	Predicting tissue-specific enhancers in the human genome. Genome Research, 2007, 17, 201-211.	2.4	117
88	ECRbase: database of evolutionary conserved regions, promoters, and transcription factor binding sites in vertebrate genomes. Bioinformatics, 2007, 23, 122-124.	1.8	93
89	Control of the <i>SOST</i> Bone Enhancer by PTH Using MEF2 Transcription Factors. Journal of Bone and Mineral Research, 2007, 22, 1957-1967.	3.1	233
90	Mulan. Methods in Molecular Biology, 2007, , 237-253.	0.4	20

#	ARTICLE	IF	CITATIONS
91	Mulan: multiple-sequence alignment to predict functional elements in genomic sequences. <i>Methods in Molecular Biology</i> , 2007, 395, 237-54.	0.4	10
92	Modifying Yeast Artificial Chromosomes to Generate <i>Cre/LoxP</i> and FLP/FRT Site-Specific Deletions and Inversions. , 2006, 349, 75-84.		4
93	Array2BIO: from microarray expression data to functional annotation of co-regulated genes. <i>BMC Bioinformatics</i> , 2006, 7, 307.	1.2	9
94	Dcode.org anthology of comparative genomic tools. <i>Nucleic Acids Research</i> , 2005, 33, W56-W64.	6.5	32
95	Mulan: Multiple-sequence local alignment and visualization for studying function and evolution. <i>Genome Research</i> , 2005, 15, 184-194.	2.4	218
96	Genomic deletion of a long-range bone enhancer misregulates sclerostin in Van Buchem disease. <i>Genome Research</i> , 2005, 15, 928-935.	2.4	399
97	Evolution and functional classification of vertebrate gene deserts. <i>Genome Research</i> , 2005, 15, 137-145.	2.4	203
98	Strategies for characterising cis-regulatory elements in <i>Xenopus</i> . <i>Briefings in Functional Genomics & Proteomics</i> , 2005, 4, 58-68.	3.8	9
99	rVISTA 2.0: evolutionary analysis of transcription factor binding sites. <i>Nucleic Acids Research</i> , 2004, 32, W217-W221.	6.5	356
100	ECR Browser: a tool for visualizing and accessing data from comparisons of multiple vertebrate genomes. <i>Nucleic Acids Research</i> , 2004, 32, W280-W286.	6.5	462
101	zPicture: Dynamic Alignment and Visualization Tool for Analyzing Conservation Profiles. <i>Genome Research</i> , 2004, 14, 472-477.	2.4	128
102	eShadow: A Tool for Comparing Closely Related Sequences. <i>Genome Research</i> , 2004, 14, 1191-1198.	2.4	55
103	Interpreting mammalian evolution using <i>Fugu</i> genome comparisons. <i>Genomics</i> , 2004, 84, 890-895.	1.3	39
104	CREME: Cis-Regulatory Module Explorer for the human genome. <i>Nucleic Acids Research</i> , 2004, 32, W253-W256.	6.5	47
105	Basal Chromatin Modification at the IL-4 Gene in Helper T Cells. <i>Journal of Immunology</i> , 2003, 171, 6672-6679.	0.4	32
106	Comparative Genomic Tools for Exploring the Human Genome. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2003, 68, 283-292.	2.0	2
107	Finding the Needle in the Haystack: Computational Strategies for Discovering Regulatory Sequences in Genomes. <i>Current Genomics</i> , 2003, 4, 557-568.	0.7	4
108	<i>rVista</i> for Comparative Sequence-Based Discovery of Functional Transcription Factor Binding Sites. <i>Genome Research</i> , 2002, 12, 832-839.	2.4	384

#	ARTICLE	IF	CITATIONS
109	SNPs in putative regulatory regions identified by human mouse comparative sequencing and transcription factor binding site data. <i>Mammalian Genome</i> , 2002, 13, 554-557.	1.0	9
110	rVista for Comparative Sequence-Based Discovery of Functional Transcription Factor Binding Sites. <i>Genome Research</i> , 2002, 12, 832-839.	2.4	23
111	Deletion of a coordinate regulator of type 2 cytokine expression in mice. <i>Nature Immunology</i> , 2001, 2, 842-847.	7.0	181
112	Active Conservation of Noncoding Sequences Revealed by Three-Way Species Comparisons. <i>Genome Research</i> , 2000, 10, 1304-1306.	2.4	279
113	Identification of a Coordinate Regulator of Interleukins 4, 13, and 5 by Cross-Species Sequence Comparisons. <i>Science</i> , 2000, 288, 136-140.	6.0	734
114	Mulan: Multiple-Sequence Alignment to Predict Functional Elements in Genomic Sequences. , 0, , 237-254.		0
115	IL-17A Increases Doxorubicin Efficacy in Triple Negative Breast Cancer. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	1