

Norbert Gretz

List of Publications by Year in descending order

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89
papers

6,638
citations

182225

30
h-index

75989

78
g-index

89
all docs

89
docs citations

89
times ranked

12967
citing authors

#	ARTICLE	IF	CITATIONS
1	Supplementation of Specific Collagen Peptides Following High-Load Resistance Exercise Upregulates Gene Expression in Pathways Involved in Skeletal Muscle Signal Transduction. <i>Frontiers in Physiology</i> , 2022, 13, 838004.	1.3	6
2	Potential Therapeutic Effects of Long-Term Stem Cell Administration: Impact on the Gene Profile and Kidney Function of PKD/Mhm (Cy/+) Rats. <i>Journal of Clinical Medicine</i> , 2022, 11, 2601.	1.0	2
3	Role of Visible Light on Skin Melanocytes: A Systematic Review. <i>Photochemistry and Photobiology</i> , 2021, 97, 911-915.	1.3	9
4	Insulin Directly Regulates the Circadian Clock in Adipose Tissue. <i>Diabetes</i> , 2021, 70, 1985-1999.	0.3	12
5	IER2-induced senescence drives melanoma invasion through osteopontin. <i>Oncogene</i> , 2021, 40, 6494-6512.	2.6	13
6	A simple optical tissue clearing pipeline for 3D vasculature imaging of the mediastinal organs in mice. <i>International Journal of Experimental Pathology</i> , 2021, 102, 218-227.	0.6	5
7	Evidence for miR-548c-5p regulation of FOXC2 transcription through a distal genomic target site in human podocytes. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 2441-2459.	2.4	7
8	Inhibition of miR30a-3p by sulforaphane enhances gap junction intercellular communication in pancreatic cancer. <i>Cancer Letters</i> , 2020, 469, 238-245.	3.2	24
9	TAZ target gene ITGAV regulates invasion and feeds back positively on YAP and TAZ in liver cancer cells. <i>Cancer Letters</i> , 2020, 473, 164-175.	3.2	39
10	Application of ethyl cinnamate based optical tissue clearing and expansion microscopy combined with retrograde perfusion for 3D lung imaging. <i>Experimental Lung Research</i> , 2020, 46, 393-408.	0.5	6
11	YAP Orchestrates Heterotypic Endothelial Cell Communication via HGF/c-MET Signaling in Liver Tumorigenesis. <i>Cancer Research</i> , 2020, 80, 5502-5514.	0.4	31
12	Sulforaphane Promotes Dendritic Cell Stimulatory Capacity Through Modulation of Regulatory Molecules, JAK/STAT3- and MicroRNA-Signaling. <i>Frontiers in Immunology</i> , 2020, 11, 589818.	2.2	10
13	Yes-associated protein (YAP) induces a secretome phenotype and transcriptionally regulates plasminogen activator Inhibitor-1 (PAI-1) expression in hepatocarcinogenesis. <i>Cell Communication and Signaling</i> , 2020, 18, 166.	2.7	21
14	New technical approaches for 3D morphological imaging and quantification of measurements. <i>Anatomical Record</i> , 2020, 303, 2702-2715.	0.8	6
15	NOTCH target gene HES5 mediates oncogenic and tumor suppressive functions in hepatocarcinogenesis. <i>Oncogene</i> , 2020, 39, 3128-3144.	2.6	28
16	Severe metabolic alterations in liver cancer lead to ERK pathway activation and drug resistance. <i>EBioMedicine</i> , 2020, 54, 102699.	2.7	36
17	Novel plant microRNAs from broccoletti sprouts do not show cross-kingdom regulation of pancreatic cancer. <i>Oncotarget</i> , 2020, 11, 1203-1217.	0.8	9
18	Transcutaneous Measurement of Glomerular Filtration Rate in Rodents. <i>Methods in Molecular Biology</i> , 2020, 2067, 129-137.	0.4	4

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19	Comparison of Raman and Mid-Infrared Spectroscopy for Real-Time Monitoring of Yeast Fermentations: A Proof-of-Concept for Multi-Channel Photometric Sensors. <i>Applied Sciences</i> (Switzerland), 2019, 9, 2472.	1.3	14
20	A cationic near infrared fluorescent agent and ethyl-cinnamate tissue clearing protocol for vascular staining and imaging. <i>Scientific Reports</i> , 2019, 9, 521.	1.6	30
21	MicroRNA-365a-3p inhibits c-Rel-mediated NF- κ B signaling and the progression of pancreatic cancer. <i>Cancer Letters</i> , 2019, 452, 203-212.	3.2	28
22	YAP-dependent induction of UHMK1 supports nuclear enrichment of the oncogene MYBL2 and proliferation in liver cancer cells. <i>Oncogene</i> , 2019, 38, 5541-5550.	2.6	45
23	Upregulation of Tumor Susceptibility Gene 101 (TSG101) by mechanical stress in podocytes. <i>Cellular and Molecular Biology</i> , 2019, 65, 84-88.	0.3	0
24	Simvastatin inhibits sonic hedgehog signaling and stemness features of pancreatic cancer. <i>Cancer Letters</i> , 2018, 426, 14-24.	3.2	27
25	Inhibition of Endothelial Notch Signaling Impairs Fatty Acid Transport and Leads to Metabolic and Vascular Remodeling of the Adult Heart. <i>Circulation</i> , 2018, 137, 2592-2608.	1.6	103
26	Epigenetically Regulated Chromosome 14q32 miRNA Cluster Induces Metastasis and Predicts Poor Prognosis in Lung Adenocarcinoma Patients. <i>Molecular Cancer Research</i> , 2018, 16, 390-402.	1.5	63
27	Resolving the Combinatorial Complexity of Smad Protein Complex Formation and Its Link to Gene Expression. <i>Cell Systems</i> , 2018, 6, 75-89.e11.	2.9	55
28	Cytoplasmic localization of the cell polarity factor scribble supports liver tumor formation and tumor cell invasiveness. <i>Hepatology</i> , 2018, 67, 1842-1856.	3.6	48
29	SOX9 expression decreases survival of patients with intrahepatic cholangiocarcinoma by conferring chemoresistance. <i>British Journal of Cancer</i> , 2018, 119, 1358-1366.	2.9	31
30	miRWalk: An online resource for prediction of microRNA binding sites. <i>PLoS ONE</i> , 2018, 13, e0206239.	1.1	1,102
31	Stem/Stromal Cells for Treatment of Kidney Injuries With Focus on Preclinical Models. <i>Frontiers in Medicine</i> , 2018, 5, 179.	1.2	45
32	AutoCellSeg: robust automatic colony forming unit (CFU)/cell analysis using adaptive image segmentation and easy-to-use post-editing techniques. <i>Scientific Reports</i> , 2018, 8, 7302.	1.6	39
33	Zwitterionic near infrared fluorescent agents for noninvasive real-time transcutaneous assessment of kidney function. <i>Chemical Science</i> , 2017, 8, 2652-2660.	3.7	31
34	Induction of Chromosome Instability by Activation of Yes-Associated Protein and Forkhead Box M1 in Liver Cancer. <i>Gastroenterology</i> , 2017, 152, 2037-2051.e22.	0.6	118
35	Human Kidney-Derived Cells Ameliorate Acute Kidney Injury Without Engrafting into Renal Tissue. <i>Stem Cells Translational Medicine</i> , 2017, 6, 1373-1384.	1.6	32
36	Assessment of acute kidney injury in rhabdomyolytic mice by transcutaneous measurement of sinistrin excretion. <i>Nephrology Dialysis Transplantation</i> , 2017, 32, 1167-1175.	0.4	5

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37	A new path in defining light parameters for hair growth: Discovery and modulation of photoreceptors in human hair follicle. <i>Lasers in Surgery and Medicine</i> , 2017, 49, 705-718.	1.1	73
38	Combining new tools to assess renal function and morphology: a holistic approach to study the effects of aging and a congenital nephron deficit. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F576-F584.	1.3	14
39	Hyperosmolarity impedes the cross-priming competence of dendritic cells in a TRIF-dependent manner. <i>Scientific Reports</i> , 2017, 7, 311.	1.6	14
40	TTCA: an R package for the identification of differentially expressed genes in time course microarray data. <i>BMC Bioinformatics</i> , 2017, 18, 33.	1.2	16
41	CTGF Is Expressed During Cystic Remodeling in the PKD/Mhm (cy/+) Rat Model for Autosomal-Dominant Polycystic Kidney Disease (ADPKD). <i>Journal of Histochemistry and Cytochemistry</i> , 2017, 65, 743-755.	1.3	4
42	Light-Emitting Agents for Noninvasive Assessment of Kidney Function. <i>ChemistryOpen</i> , 2017, 6, 456-471.	0.9	16
43	Non-contact Raman spectroscopy for in-line monitoring of glucose and ethanol during yeast fermentations. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 1519-1527.	1.7	29
44	Model Based Targeting of IL-6-Induced Inflammatory Responses in Cultured Primary Hepatocytes to Improve Application of the JAK Inhibitor Ruxolitinib. <i>Frontiers in Physiology</i> , 2017, 8, 775.	1.3	19
45	Kidney Injury Molecule-1 Is Specifically Expressed in Cystically-Transformed Proximal Tubules of the PKD/Mhm (cy/+) Rat Model of Polycystic Kidney Disease. <i>International Journal of Molecular Sciences</i> , 2016, 17, 802.	1.8	14
46	Assessing the potential of pharmaceuticals and their transformation products to cause mutagenic effects: Implications for gene expression profiling. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 2753-2764.	2.2	3
47	Obtaining miRNA-Target Interaction Information from miRWalk2.0. <i>Current Protocols in Bioinformatics</i> , 2016, 55, 12.15.1-12.15.27.	25.8	9
48	Filtration markers and determination methods for the assessment of kidney function. <i>European Journal of Pharmacology</i> , 2016, 790, 92-98.	1.7	15
49	Maternal glucose intolerance reduces offspring nephron endowment and increases glomerular volume in adult offspring. <i>Diabetes/Metabolism Research and Reviews</i> , 2016, 32, 816-826.	1.7	19
50	Fluorescently Labeled Cyclodextrin Derivatives as Exogenous Markers for Real-Time Transcutaneous Measurement of Renal Function. <i>Bioconjugate Chemistry</i> , 2016, 27, 2513-2526.	1.8	14
51	Highly Sensitive Raman Spectroscopy with Low Laser Power for Fast In-Line Reaction and Multiphase Flow Monitoring. <i>Analytical Chemistry</i> , 2016, 88, 9368-9374.	3.2	22
52	Gene expression profiling reveals aryl hydrocarbon receptor as a possible target for photobiomodulation when using blue light. <i>Scientific Reports</i> , 2016, 6, 33847.	1.6	37
53	Transcutaneous Assessment of Renal Function in Conscious Rodents. <i>Journal of Visualized Experiments</i> , 2016, , e53767.	0.2	23
54	The renal microenvironment modifies dendritic cell phenotype. <i>Kidney International</i> , 2016, 89, 82-94.	2.6	38

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55	Cellular apoptosis susceptibility (CAS) is linked to integrin β 1 and required for tumor cell migration and invasion in hepatocellular carcinoma (HCC). <i>Oncotarget</i> , 2016, 7, 22883-22892.	0.8	18
56	A Comprehensive Review on the Genetic Regulation of Cisplatin-induced Nephrotoxicity. <i>Current Genomics</i> , 2016, 17, 279-293.	0.7	27
57	Measures of kidney function by minimally invasive techniques correlate with histological glomerular damage in SCID mice with adriamycin-induced nephropathy. <i>Scientific Reports</i> , 2015, 5, 13601.	1.6	51
58	Loss of the Mechanotransducer Zyxin Promotes a Synthetic Phenotype of Vascular Smooth Muscle Cells. <i>Journal of the American Heart Association</i> , 2015, 4, e001712.	1.6	29
59	Alteration of mRNA and microRNA expression profiles in rat muscular type vasculature in early postnatal development. <i>Scientific Reports</i> , 2015, 5, 11106.	1.6	9
60	miRWalk2.0: a comprehensive atlas of microRNA-target interactions. <i>Nature Methods</i> , 2015, 12, 697-697.	9.0	1,218
61	Homo sapiens exhibit a distinct pattern of CNV genes regulation: an important role of miRNAs and SNPs in expression plasticity. <i>Scientific Reports</i> , 2015, 5, 12163.	1.6	9
62	Renal phenotype of young and old telomerase-deficient mice. <i>Mechanisms of Ageing and Development</i> , 2015, 150, 65-73.	2.2	8
63	A Pilot Study to Assess the Feasibility of Transcutaneous Glomerular Filtration Rate Measurement Using Fluorescence-Labelled Sinistrin in Dogs and Cats. <i>PLoS ONE</i> , 2014, 9, e111734.	1.1	15
64	Quantum cascade laser-based hyperspectral imaging of biological tissue. <i>Journal of Biomedical Optics</i> , 2014, 19, 111607.	1.4	59
65	Forced arm use is superior to voluntary training for motor recovery and brain plasticity after cortical ischemia in rats. <i>Experimental & Translational Stroke Medicine</i> , 2014, 6, 3.	3.2	12
66	Ochratoxin A induced early hepatotoxicity: new mechanistic insights from microRNA, mRNA and proteomic profiling studies. <i>Scientific Reports</i> , 2014, 4, .	1.6	54
67	Systemic Treatment with Erythropoietin Protects the Neurovascular Unit in a Rat Model of Retinal Neurodegeneration. <i>PLoS ONE</i> , 2014, 9, e102013.	1.1	37
68	Transcutaneous assessment of glomerular filtration rate. <i>Studies in Health Technology and Informatics</i> , 2014, 200, 105-10.	0.2	1
69	Inhibition of Comt with tolcapone slows progression of polycystic kidney disease in the more severely affected PKD/Mhm (cy/+) substrain of the Hannover Sprague-Dawley rat. <i>Nephrology Dialysis Transplantation</i> , 2013, 28, 2045-2058.	0.4	7
70	Progression of Glomerular Filtration Rate Reduction Determined in Conscious Dahl Salt-Sensitive Hypertensive Rats. <i>Hypertension</i> , 2013, 62, 85-90.	1.3	60
71	Parallel Analysis of mRNA and microRNA Microarray Profiles to Explore Functional Regulatory Patterns in Polycystic Kidney Disease: Using PKD/Mhm Rat Model. <i>PLoS ONE</i> , 2013, 8, e53780.	1.1	55
72	Sequential assessment of glomerular filtration rate (GFR) during development of hypertension in freely moving Dahl salt-sensitive rats. <i>FASEB Journal</i> , 2013, 27, .	0.2	0

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73	Transcutaneous measurement of renal function in conscious mice. American Journal of Physiology - Renal Physiology, 2012, 303, F783-F788.	1.3	168
74	Online feedback-controlled renal constant infusion clearances in rats. Kidney International, 2012, 82, 314-320.	2.6	22
75	miRWalk Database: Prediction of possible miRNA binding sites by "walking" the genes of three genomes. Journal of Biomedical Informatics, 2011, 44, 839-847.	2.5	1,551
76	Transcutaneous assessment of renal function in conscious rats with a device for measuring FITC-sinistrin disappearance curves. Kidney International, 2011, 79, 1254-1258.	2.6	116
77	Transcutaneous measurement of glomerular filtration rate using FITC-sinistrin in rats. Nephrology Dialysis Transplantation, 2009, 24, 2997-3001.	0.4	112
78	Pharmacological profile and toxicity of fluorescein-labelled sinistrin, a novel marker for GFR measurements. Naunyn-Schmiedeberg's Archives of Pharmacology, 2006, 373, 204-211.	1.4	37
79	Angiotensin II Type 1 Receptor Overexpression in Podocytes Induces Glomerulosclerosis in Transgenic Rats. Journal of the American Society of Nephrology: JASN, 2004, 15, 1475-1487.	3.0	186
80	A possible role for metalloproteinases in renal cyst development. American Journal of Physiology - Renal Physiology, 2001, 280, F540-F550.	1.3	75
81	An endocytosis defect as a possible cause of proteinuria in polycystic kidney disease. American Journal of Physiology - Renal Physiology, 2001, 280, F244-F253.	1.3	39
82	Complement analysis in children with idiopathic membranoproliferative glomerulonephritis: A long-term follow-up. Pediatric Allergy and Immunology, 2001, 12, 166-172.	1.1	96
83	Changes of AT2 Receptor Levels in the Rat Adrenal Cortex and Medulla Induced by Bilateral Nephrectomy and Its Modulation by Circulating ANG II. Journal of Histochemistry and Cytochemistry, 2001, 49, 649-656.	1.3	8
84	An ever-expanding story of cyst formation. Cell and Tissue Research, 2000, 300, 361-371.	1.5	9
85	Altered Expression of Type II Sodium/Phosphate Cotransporter in Polycystic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2000, 11, 1926-1932.	3.0	9
86	The rat Pkd2 protein assumes distinct subcellular distributions in different organs. American Journal of Physiology - Renal Physiology, 1999, 277, F914-F925.	1.3	20
87	Localization of the mRNA for the Angiotensin II Receptor Subtype 2 (AT2) in Follicular Granulosa Cells of the Rat Ovary by Nonradioactive In Situ Hybridization. Journal of Histochemistry and Cytochemistry, 1998, 46, 865-870.	1.3	12
88	Kid-1 expression is high in differentiated renal proximal tubule cells and suppressed in cyst epithelia. American Journal of Physiology - Renal Physiology, 1998, 275, F928-F937.	1.3	5
89	Location of the first genetic locus, PKDr1, controlling autosomal dominant polycystic kidney disease in Han:SPRD cy/+ rat. Human Molecular Genetics, 1997, 6, 609-613.	1.4	41