Carsten Sticht

List of Publications by Year
in descending order

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96	5,018	236925	102487
papers	citations	25 h-index	66 g-index

96	96	96	9724
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	miRWalk â€“ Database: Prediction of possible miRNA binding sites by â€œwalkingâ€•the genes of three genomes. Journal of Biomedical Informatics, 2011, 44, 839-847.	4.3	1,551
2	miRWalk: An online resource for prediction of microRNA binding sites. PLoS ONE, 2018, 13, e0206239.	2.5	1,102
3	miRWalk Database for miRNAâ€“Target Interactions. Methods in Molecular Biology, 2014, 1182, 289-305.	0.9	259
4	Downregulation of N-terminal acetylation triggers ABA-mediated drought responses in Arabidopsis. Nature Communications, 2015, 6, 7640.	12.8	119
5	Induction of Chromosome Instability by Activation of Yes-Associated Protein and Forkhead Box M1 in Liver Cancer. Gastroenterology, 2017, 152, 2037-2051.e22.	1.3	118
6	A proteolytic fragment of histone deacetylase 4 protects the heart from failure by regulating the hexosamine biosynthetic pathway. Nature Medicine, 2018, 24, 62-72.	30.7	88
7	Caspase-10 Negatively Regulates Caspase-8-Mediated Cell Death, Switching the Response to CD95L in Favor of NF-Î¹B Activation and Cell Survival. Cell Reports, 2017, 19, 785-797.	6.4	84
8	Endothelial GATA4 controls liver fibrosis and regeneration by preventing a pathogenic switch in angiocrine signaling. Journal of Hepatology, 2021, 74, 380-393.	3.7	81
9	A new path in defining light parameters for hair growth: Discovery and modulation of photoreceptors in human hair follicle. Lasers in Surgery and Medicine, 2017, 49, 705-718.	2.1	73
10	Short Term Hypoxia Synergizes with Interleukin 15 Priming in Driving Glycolytic Gene Transcription and Supports Human Natural Killer Cell Activities. Journal of Biological Chemistry, 2016, 291, 12960-12977.	3.4	72
11	Epigenetically Regulated Chromosome 14q32 miRNA Cluster Induces Metastasis and Predicts Poor Prognosis in Lung Adenocarcinoma Patients. Molecular Cancer Research, 2018, 16, 390-402.	3.4	63
12	IL-6 regulates CCR5 expression and immunosuppressive capacity of MDSC in murine melanoma. , 2020, 8, e000949.		59
13	Stabilin-1 is expressed in human breast cancer and supports tumor growth in mammary adenocarcinoma mouse model. Oncotarget, 2016, 7, 31097-31110.	1.8	50
14	Cytoplasmic localization of the cell polarity factor scribble supports liver tumor formation and tumor cell invasiveness. Hepatology, 2018, 67, 1842-1856.	7.3	48
15	YAP-dependent induction of UHMK1 supports nuclear enrichment of the oncogene MYBL2 and proliferation in liver cancer cells. Oncogene, 2019, 38, 5541-5550.	5.9	45
16	NatB-Mediated N-Terminal Acetylation Affects Growth and Biotic Stress Responses. Plant Physiology, 2020, 182, 792-806.	4.8	44
17	High Tissue Glucose Alters Intersomitic Blood Vessels in Zebrafish via Methylglyoxal Targeting the VEGF Receptor Signaling Cascade. Diabetes, 2015, 64, 213-225.	0.6	41
18	Hepatic Endothelial Notch Activation Protects against Liver Metastasis by Regulating Endothelial-Tumor Cell Adhesion Independent of Angiocrine Signaling. Cancer Research, 2019, 79, 598-610.	0.9	41

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19	TAZ target gene ITGAV regulates invasion and feeds back positively on YAP and TAZ in liver cancer cells. Cancer Letters, 2020, 473, 164-175.	7.2	39
20	Gene expression profiling reveals aryl hydrocarbon receptor as a possible target for photobiomodulation when using blue light. Scientific Reports, 2016, 6, 33847.	3.3	37
21	Elevated 4-hydroxynonenal induces hyperglycaemia via Aldh3a1 loss in zebrafish and associates with diabetes progression in humans. Redox Biology, 2020, 37, 101723.	9.0	36
22	Hyperglycaemic memory affects the neurovascular unit of the retina in a diabetic mouse model. Diabetologia, 2017, 60, 1354-1358.	6.3	32
23	YAP Orchestrates Heterotypic Endothelial Cell Communication via HGF/c-MET Signaling in Liver Tumorigenesis. Cancer Research, 2020, 80, 5502-5514.	0.9	31
24	EphB2-dependent signaling promotes neuronal excitotoxicity and inflammation in the acute phase of ischemic stroke. Acta Neuropathologica Communications, 2019, 7, 15.	5.2	30
25	Loss of the Mechanotransducer Zyxin Promotes a Synthetic Phenotype of Vascular Smooth Muscle Cells. Journal of the American Heart Association, 2015, 4, e001712.	3.7	29
26	MicroRNA-365a-3p inhibits c-Rel-mediated NF-ÎºB signaling and the progression of pancreatic cancer. Cancer Letters, 2019, 452, 203-212.	7.2	28
27	NOTCH target gene HES5 mediates oncogenic and tumor suppressive functions in hepatocarcinogenesis. Oncogene, 2020, 39, 3128-3144.	5.9	28
28	Simvastatin inhibits sonic hedgehog signaling and stemness features of pancreatic cancer. Cancer Letters, 2018, 426, 14-24.	7.2	27
29	Methylglyoxal induces retinopathyâ€type lesions in the absence of hyperglycemia: studies in a rat model. FASEB Journal, 2019, 33, 4141-4153.	0.5	27
30	Therapeutic efficacy of FASN inhibition in preclinical models of HCC. Hepatology, 2022, 76, 951-966.	7.3	25
31	Angiopoietin-1 Is Regulated by miR-204 and Contributes to Corneal Neovascularization in KLEIP-Deficient Mice. , 2014, 55, 4295.		24
32	Inhibition of miR30a-3p by sulforaphane enhances gap junction intercellular communication in pancreatic cancer. Cancer Letters, 2020, 469, 238-245.	7.2	24
33	The angiotensin II type 2 receptors protect renal tubule mitochondria in early stages of diabetes mellitus. Kidney International, 2018, 94, 937-950.	5.2	23
34	Thymoma Associated Myasthenia Gravis (TAMG): Differential Expression of Functional Pathways in Relation to MG Status in Different Thymoma Histotypes. Frontiers in Immunology, 2020, 11, 664.	4.8	23
35	Hypertensionâ€evoked RhoA activity in vascular smooth muscle cells requires RGS5. FASEB Journal, 2018, 32, 2021-2035.	0.5	21
36	Methylglyoxal down-regulates the expression of cell cycle associated genes and activates the p53 pathway in human umbilical vein endothelial cells. Scientific Reports, 2019, 9, 1152.	3.3	21

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37	Longitudinal transcriptome-wide gene expression analysis of sleep deprivation treatment shows involvement of circadian genes and immune pathways. Translational Psychiatry, 2019, 9, 343.	4.8	21
38	Yes-associated protein (YAP) induces a secretome phenotype and transcriptionally regulates plasminogen activator Inhibitor-1 (PAI-1) expression in hepatocarcinogenesis. Cell Communication and Signaling, 2020, 18, 166.	6.5	21
39	Renal disease associated with myeloproliferative neoplasms and myelodysplastic syndrome/myeloproliferative neoplasms. Histopathology, 2021, 78, 738-748.	2.9	20
40	Carcinoma of the colon and rectum with deregulation of insulin-like growth factor 2 signaling: clinical and molecular implications. Journal of Gastroenterology, 2016, 51, 971-984.	5.1	19
41	Hepatocyte caveolin-1 modulates metabolic gene profiles and functions in non-alcoholic fatty liver disease. Cell Death and Disease, 2020, 11, 104.	6.3	19
42	ADP secreted by dying melanoma cells mediates chemotaxis and chemokine secretion of macrophages via the purinergic receptor P2Y12. Cell Death and Disease, 2019, 10, 760.	6.3	18
43	<scp>miRNA</scp> profiling of biliary intraepithelial neoplasia reveals stepwise tumorigenesis in distal cholangiocarcinoma via the <scp>miR</scp>â€451a/<scp>ATF2</scp> axis. Journal of Pathology, 2020, 252, 239-251.	4.5	18
44	Cellular apoptosis susceptibility (CAS) is linked to integrin Î²1 and required for tumor cell migration and invasion in hepatocellular carcinoma (HCC). Oncotarget, 2016, 7, 22883-22892.	1.8	18
45	GATA4 and LMO3 balance angiocrine signaling and autocrine inflammatory activation by BMP2 in liver sinusoidal endothelial cells. Gene, 2017, 627, 491-499.	2.2	17
46	TTCA: an R package for the identification of differentially expressed genes in time course microarray data. BMC Bioinformatics, 2017, 18, 33.	2.6	16
47	Exploring the transcriptomic network of multi-ligand scavenger receptor Stabilin-1- and Stabilin-2-deficient liver sinusoidal endothelial cells. Gene, 2021, 768, 145284.	2.2	16
48	PPARÎ³ induces PD-L1 expression in MSS+ colorectal cancer cells. OncoImmunology, 2021, 10, 1906500.	4.6	15
49	Combining new tools to assess renal function and morphology: a holistic approach to study the effects of aging and a congenital nephron deficit. American Journal of Physiology - Renal Physiology, 2017, 313, F576-F584.	2.7	14
50	IL-4 driven transcription factor FoxQ1 is expressed by monocytes in atopic dermatitis and stimulates monocyte migration. Scientific Reports, 2017, 7, 16847.	3.3	14
51	Co-expression of YAP and TAZ associates with chromosomal instability in human cholangiocarcinoma. BMC Cancer, 2021, 21, 1079.	2.6	14
52	Bone marrow sinusoidal endothelium controls terminal erythroid differentiation and reticulocyte maturation. Nature Communications, 2021, 12, 6963.	12.8	14
53	pdx1 Knockout Leads to a Diabetic Nephropathyâ€“ Like Phenotype in Zebrafish and Identifies Phosphatidylethanolamine as Metabolite Promoting Early Diabetic Kidney Damage. Diabetes, 2022, 71, 1073-1080.	0.6	14
54	Pianp deficiency links GABAB receptor signaling and hippocampal and cerebellar neuronal cell composition to autism-like behavior. Molecular Psychiatry, 2020, 25, 2979-2993.	7.9	13

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55	Transient deSUMOylation of IRF2BP proteins controls early transcription in EGFR signaling. EMBO Reports, 2021, 22, e49651.	4.5	13
56	IER2-induced senescence drives melanoma invasion through osteopontin. Oncogene, 2021, 40, 6494-6512.	5.9	13
57	Muscleâ€specific Cand2 is translationally upregulated by mTORC1 and promotes adverse cardiac remodeling. EMBO Reports, 2021, 22, e52170.	4.5	13
58	Insulin Directly Regulates the Circadian Clock in Adipose Tissue. Diabetes, 2021, 70, 1985-1999.	0.6	12
59	Pro-angiogenic Activity Discriminates Human Adipose-Derived Stromal Cells From Retinal Pericytes: Considerations for Cell-Based Therapy of Diabetic Retinopathy. Frontiers in Cell and Developmental Biology, 2020, 8, 387.	3.7	11
60	Reduced Acrolein Detoxification in akr1a1a Zebrafish Mutants Causes Impaired Insulin Receptor Signaling and Microvascular Alterations. Advanced Science, 2021, 8, e2101281.	11.2	11
61	Inhibition of 13-cis retinoic acid-induced gene expression of reactive-resistance genes by thalidomide in glioblastoma tumoursin vivo. Oncotarget, 2015, 6, 28938-28948.	1.8	11
62	HYPK promotes the activity of the N ^{Î±} -acetyltransferase A complex to determine proteostasis of nonAc-X ² /N-degronâ€“containing proteins. Science Advances, 2022, 8, .	10.3	11
63	CaM kinase II regulates cardiac hemoglobin expression through histone phosphorylation upon sympathetic activation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22282-22287.	7.1	10
64	Sulforaphane Promotes Dendritic Cell Stimulatory Capacity Through Modulation of Regulatory Molecules, JAK/STAT3- and MicroRNA-Signaling. Frontiers in Immunology, 2020, 11, 589818.	4.8	10
65	Alteration of mRNA and microRNA expression profiles in rat muscular type vasculature in early postnatal development. Scientific Reports, 2015, 5, 11106.	3.3	9
66	NFAT5 Isoform C Controls Biomechanical Stress Responses of Vascular Smooth Muscle Cells. Frontiers in Physiology, 2018, 9, 1190.	2.8	9
67	Novel Broccoli Sulforaphane-Based Analogues Inhibit the Progression of Pancreatic Cancer without Side Effects. Biomolecules, 2020, 10, 769.	4.0	9
68	CaM Kinase II-Î´ Is Required for Diabetic Hyperglycemia and Retinopathy but Not Nephropathy. Diabetes, 2021, 70, 616-626.	0.6	9
69	Novel plant microRNAs from broccoletti sprouts do not show cross-kingdom regulation of pancreatic cancer. Oncotarget, 2020, 11, 1203-1217.	1.8	9
70	Accumulation of acetaldehyde in aldh2.1 zebrafish causes increased retinal angiogenesis and impaired glucose metabolism. Redox Biology, 2022, 50, 102249.	9.0	9
71	AKIRIN1: A Potential New Reference Gene in Human Natural Killer Cells and Granulocytes in Sepsis. International Journal of Molecular Sciences, 2019, 20, 2290.	4.1	8
72	Human carnosinase 1 overexpression aggravates diabetes and renal impairment in BTBROb/Ob mice. Journal of Molecular Medicine, 2020, 98, 1333-1346.	3.9	8

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73	Gene Expression Profiles Reveal Extracellular Matrix and Inflammatory Signaling in Radiation-Induced Premature Differentiation of Human Fibroblast in vitro. Frontiers in Cell and Developmental Biology, 2021, 9, 539893.	3.7	7
74	Angiogenic and molecular diversity determine hepatic melanoma metastasis and response to anti-angiogenic treatment. Journal of Translational Medicine, 2022, 20, 62.	4.4	7
75	Metabolic Profiling of Thymic Epithelial Tumors Hints to a Strong Warburg Effect, Glutaminolysis and Precarious Redox Homeostasis as Potential Therapeutic Targets. Cancers, 2022, 14, 1564.	3.7	7
76	Disruption of the NÎ±-Acetyltransferase NatB Causes Sensitivity to Reductive Stress in Arabidopsis thaliana. Frontiers in Plant Science, 2021, 12, 799954.	3.6	6
77	HELLS Is Negatively Regulated by Wild-Type P53 in Liver Cancer by a Mechanism Involving P21 and FOXM1. Cancers, 2022, 14, 459.	3.7	6
78	A hierarchical regulatory network ensures stable albumin transcription under various pathophysiological conditions. Hepatology, 2022, 76, 1673-1689.	7.3	6
79	Supplementation of Specific Collagen Peptides Following High-Load Resistance Exercise Upregulates Gene Expression in Pathways Involved in Skeletal Muscle Signal Transduction. Frontiers in Physiology, 2022, 13, 838004.	2.8	6
80	Assessment of acute kidney injury in rhabdomyolytic mice by transcutaneous measurement of sinistrin excretion. Nephrology Dialysis Transplantation, 2017, 32, 1167-1175.	0.7	5
81	RGS5 Attenuates Baseline Activity of ERK1/2 and Promotes Growth Arrest of Vascular Smooth Muscle Cells. Cells, 2021, 10, 1748.	4.1	5
82	Epigenetic silencing of tumor suppressor candidate 3 confers adverse prognosis in early colorectal cancer. Oncotarget, 2017, 8, 84714-84728.	1.8	5
83	Biphasic Effects of Blue Light Irradiation on Human Umbilical Vein Endothelial Cells. Biomedicines, 2021, 9, 829.	3.2	4
84	Imbalanced Activation of Wnt-/Î²-Catenin-Signaling in Liver Endothelium Alters Normal Sinusoidal Differentiation. Frontiers in Physiology, 2021, 12, 722394.	2.8	4
85	Assessing the potential of pharmaceuticals and their transformation products to cause mutagenic effects: Implications for gene expression profiling. Environmental Toxicology and Chemistry, 2016, 35, 2753-2764.	4.3	3
86	Whole transcriptome data of primary human NK cells under hypoxia and interleukin 15 priming: A 2Ã—2 factorial design experiment. Data in Brief, 2017, 14, 77-83.	1.0	3
87	Glycyrrhetinic Acid Antagonizes Pressure-Induced Venous Remodeling in Mice. Frontiers in Physiology, 2018, 9, 320.	2.8	3
88	Gene expression analysis of vastus medialis cells after tourniquet-induced ischemia during total knee arthroplasty: a randomized clinical trial. European Journal of Trauma and Emergency Surgery, 2021, 47, 233-240.	1.7	3
89	Metabolic and Transcriptional Adaptations Improve Physical Performance of Zebrafish. Antioxidants, 2021, 10, 1581.	5.1	3
90	High-content analysis of microRNAs involved in the phenotype regulation of vascular smooth muscle cells. Scientific Reports, 2022, 12, 3498.	3.3	2

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91	Potential Therapeutic Effects of Long-Term Stem Cell Administration: Impact on the Gene Profile and Kidney Function of PKD/Mhm (Cy/+) Rats. Journal of Clinical Medicine, 2022, 11, 2601.	2.4	2
92	Effects of mechanical ventilation on gene expression profiles in renal allografts from brain dead rats. Respiratory Physiology and Neurobiology, 2017, 246, 17-25.	1.6	1
93	MicroRNAs Influence the Migratory Ability of Human Umbilical Vein Endothelial Cells. Genes, 2022, 13, 640.	2.4	1
94	Autism-like behavior in Pianp-deficient mice is associated with decreased neuronal Erdr1 expression and altered GABAB receptor signaling. Molecular Psychiatry, 2020, 25, 2645-2645.	7.9	0
95	Insulin-controlled C/EBPÎ± expression determines the impact of TGF-Î² on HNF4Î± transcription in hepatocytes. Zeitschrift Fur Gastroenterologie, 2022, 60, .	0.5	0
96	Comparative Morphological, Metabolic and Transcriptome Analyses in elmo1â^'/â^', elmo2â^'/â^', and elmo3â^'/â^' Zebrafish Mutants Identified a Functional Non-Redundancy of the Elmo Proteins. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	0