Hubert Hackl

List of Publications by Year
in descending order

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145	13,500	117625	27406
papers	citations	34 h-index	106 g-index

153	153	153	24857
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ClueGO: a Cytoscape plug-in to decipher functionally grouped gene ontology and pathway annotation networks. Bioinformatics, 2009, 25, 1091-1093.	4.1	5,348
2	Pan-cancer Immunogenomic Analyses Reveal Genotype-Immunophenotype Relationships and Predictors of Response to Checkpoint Blockade. Cell Reports, 2017, 18, 248-262.	6.4	2,953
3	Molecular and pharmacological modulators of the tumor immune contexture revealed by deconvolution of RNA-seq data. Genome Medicine, 2019, 11, 34.	8.2	732
4	Characterization of the immunophenotypes and antigenomes of colorectal cancers reveals distinct tumor escape mechanisms and novel targets for immunotherapy. Genome Biology, 2015, 16, 64.	8.8	433
5	Lipocalin 2 Protects from Inflammation and Tumorigenesis Associated with Gut Microbiota Alterations. Cell Host and Microbe, 2016, 19, 455-469.	11.0	244
6	Computational genomics tools for dissecting tumourâ€“immune cell interactions. Nature Reviews Genetics, 2016, 17, 441-458.	16.3	233
7	Targeting immune checkpoints potentiates immunoediting and changes the dynamics of tumor evolution. Nature Communications, 2018, 9, 32.	12.8	193
8	Next-generation computational tools for interrogating cancer immunity. Nature Reviews Genetics, 2019, 20, 724-746.	16.3	131
9	Signatures of CD8+ T cell dysfunction in AML patients and their reversibility with response to chemotherapy. JCI Insight, 2018, 3, .	5.0	123
10	Piezo1 forms mechanosensitive ion channels in the human MCF-7 breast cancer cell line. Scientific Reports, 2015, 5, 8364.	3.3	122
11	PathwayExplorer: web service for visualizing high-throughput expression data on biological pathways. Nucleic Acids Research, 2005, 33, W633-W637.	14.5	116
12	The Human Placental Sexome Differs between Trophoblast Epithelium and Villous Vessel Endothelium. PLoS ONE, 2013, 8, e79233.	2.5	96
13	Comparative transcriptomics of human multipotent stem cells during adipogenesis and osteoblastogenesis. BMC Genomics, 2008, 9, 340.	2.8	91
14	Molecular and genetic alterations associated with therapy resistance and relapse of acute myeloid leukemia. Journal of Hematology and Oncology, 2017, 10, 51.	17.0	85
15	Grape-seed derived procyanidins interfere with adipogenesis of 3T3-L1 cells at the onset of differentiation. International Journal of Obesity, 2005, 29, 934-941.	3.4	72
16	miR-16-5p Is a Stably-Expressed Housekeeping MicroRNA in Breast Cancer Tissues from Primary Tumors and from Metastatic Sites. International Journal of Molecular Sciences, 2016, 17, 156.	4.1	71
17	Impact of antibiotic treatment on immune-checkpoint blockade efficacy in advanced non-squamous non-small cell lung cancer. Oncotarget, 2018, 9, 16512-16520.	1.8	71
18	miR-19a-3p containing exosomes improve function of ischaemic myocardium upon shock wave therapy. Cardiovascular Research, 2020, 116, 1226-1236.	3.8	71

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19	A modified scoring of the <scp>NCCN</scp>â€<scp>IPI</scp> is more accurate in the elderly and is improved by albumin and Î²₂â€microglobulin. British Journal of Haematology, 2015, 168, 239-245.	2.5	69
20	High STAT1 mRNA levels but not its tyrosine phosphorylation are associated with macrophage infiltration and bad prognosis in breast cancer. BMC Cancer, 2014, 14, 257.	2.6	65
21	Molecular processes during fat cell development revealed by gene expression profiling and functional annotation. Genome Biology, 2005, 6, R108.	9.6	61
22	Formation of lipid bodies and changes in fatty acid composition upon pre-akinete formation in Arctic and AntarcticZygnema(Zygnematophyceae, Streptophyta) strains. FEMS Microbiology Ecology, 2016, 92, fiw096.	2.7	57
23	Early structural and metabolic cardiac remodelling in response to inducible adipose triglyceride lipase ablation. Cardiovascular Research, 2013, 99, 442-451.	3.8	52
24	MARS: microarray analysis, retrieval, and storage system. BMC Bioinformatics, 2005, 6, 101.	2.6	51
25	Hypochlorite modification of sphingomyelin generates chlorinated lipid species that induce apoptosis and proteome alterations in dopaminergic PC12 neurons in vitro. Free Radical Biology and Medicine, 2010, 48, 1588-1600.	2.9	47
26	Cooperativity of Stress-Responsive Transcription Factors in Core Hypoxia-Inducible Factor Binding Regions. PLoS ONE, 2012, 7, e45708.	2.5	46
27	Overexpression of primary microRNA 221/222 in acute myeloid leukemia. BMC Cancer, 2013, 13, 364.	2.6	45
28	Complement-Opsonized HIV-1 Overcomes Restriction in Dendritic Cells. PLoS Pathogens, 2015, 11, e1005005.	4.7	44
29	Baseline Absolute Lymphocyte Count and ECOG Performance Score Are Associated with Survival in Advanced Non-Small Cell Lung Cancer Undergoing PD-1/PD-L1 Blockade. Journal of Clinical Medicine, 2019, 8, 1014.	2.4	41
30	Bioinformatics for cancer immunology and immunotherapy. Cancer Immunology, Immunotherapy, 2012, 61, 1885-1903.	4.2	40
31	Reconstruction of gene association network reveals a transmembrane protein required for adipogenesis and targeted by PPARÎ³. Cellular and Molecular Life Sciences, 2010, 67, 4049-4064.	5.4	38
32	Gestational diabetes alters microRNA signatures in human feto-placental endothelial cells depending on fetal sex. Clinical Science, 2018, 132, 2437-2449.	4.3	37
33	Differential transcriptional modulation of biological processes in adipocyte triglyceride lipase and hormone-sensitive lipase-deficient mice. Genomics, 2008, 92, 26-32.	2.9	36
34	Loss of ABHD15 Impairs the Anti-lipolytic Action of Insulin by Altering PDE3B Stability and Contributes to Insulin Resistance. Cell Reports, 2018, 23, 1948-1961.	6.4	36
35	Novel Insights into Adipogenesis from Omics Data. Current Medicinal Chemistry, 2009, 16, 2952-2964.	2.4	35
36	Clonal evolution in relapsed and refractory diffuse large B-cell lymphoma is characterized by high dynamics of subclones. Oncotarget, 2016, 7, 51494-51502.	1.8	35

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37	The miR-34 family and its clinical significance in ovarian cancer. Journal of Cancer, 2020, 11, 1446-1456.	2.5	35
38	ArrayNorm: comprehensive normalization and analysis of microarray data. Bioinformatics, 2004, 20, 1971-1973.	4.1	34
39	SOCS2 is part of a highly prognostic 4-gene signature in AML and promotes disease aggressiveness. Scientific Reports, 2019, 9, 9139.	3.3	34
40	A gene expression profile associated with relapse of cytogenetically normal acute myeloid leukemia is enriched for leukemia stem cell genes. Leukemia and Lymphoma, 2015, 56, 1126-1128.	1.3	33
41	Predicting Postoperative Liver Dysfunction Based on Bloodâ€Derived MicroRNA Signatures. Hepatology, 2019, 69, 2636-2651.	7.3	33
42	Enhanced Expression of Genes Related to Xenobiotic Metabolism in the Skin of Patients with Atopic Dermatitis but Not with Ichthyosis Vulgaris. Journal of Investigative Dermatology, 2018, 138, 98-108.	0.7	28
43	DNA Methylation Signatures Predicting Bevacizumab Efficacy in Metastatic Breast Cancer. Theranostics, 2018, 8, 2278-2288.	10.0	28
44	Changes in the miRNA-mRNA Regulatory Network Precede Motor Symptoms in a Mouse Model of Multiple System Atrophy: Clinical Implications. PLoS ONE, 2016, 11, e0150705.	2.5	26
45	The von Willebrand Factor Facilitates Model for Endâ€Stage Liver Diseaseâ€“Independent Risk Stratification on the Waiting List for Liver Transplantation. Hepatology, 2020, 72, 584-594.	7.3	26
46	Nr4a1 Is Required for Fasting-Induced Down-Regulation of PparÎ³2 in White Adipose Tissue. Molecular Endocrinology, 2013, 27, 135-149.	3.7	25
47	Amphotericin B Resistance in Aspergillus terreus Is Overpowered by Coapplication of Pro-oxidants. Antioxidants and Redox Signaling, 2015, 23, 1424-1438.	5.4	25
48	EVI1 promotes tumor growth via transcriptional repression of MS4A3. Journal of Hematology and Oncology, 2015, 8, 28.	17.0	25
49	Inducible expression ofEVI1in human myeloid cells causes phenotypes consistent with its role in myelodysplastic syndromes. Journal of Leukocyte Biology, 2009, 86, 813-822.	3.3	24
50	Dynamics of Bile Acid Profiles, GLP-1, and FGF19 After Laparoscopic Gastric Banding. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 2974-2984.	3.6	24
51	Analysis of DNA Microarray Data. Current Topics in Medicinal Chemistry, 2004, 4, 1355-1368.	2.1	23
52	Initial Evidence of Distinguishable Bacterial and Fungal Dysbiosis in the Skin of Patients with Atopic Dermatitis or Netherton Syndrome. Journal of Investigative Dermatology, 2021, 141, 114-123.	0.7	23
53	Adverse Outcome in COVID-19 Is Associated With an Aggravating Hypo-Responsive Platelet Phenotype. Frontiers in Cardiovascular Medicine, 2021, 8, 795624.	2.4	23
54	Insights from Computational Modeling in Inflammation and Acute Rejection in Limb Transplantation. PLoS ONE, 2014, 9, e99926.	2.5	22

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55	The oncogeneEVI1enhances transcriptional and biological responses of human myeloid cells toall-transretinoic acid. Cell Cycle, 2014, 13, 2931-2943.	2.6	22
56	Immediate T-Helper 17 Polarization Upon Triggering CD11b/c on HIV-Exposed Dendritic Cells. Journal of Infectious Diseases, 2015, 212, 44-56.	4.0	22
57	Reduced mRNA expression levels of NFE2L2 are associated with poor outcome in breast cancer patients. BMC Cancer, 2016, 16, 821.	2.6	22
58	CGRP Signaling via CALCRL Increases Chemotherapy Resistance and Stem Cell Properties in Acute Myeloid Leukemia. International Journal of Molecular Sciences, 2019, 20, 5826.	4.1	22
59	Fetal HDL/apoE: a novel regulator of gene expression in human placental endothelial cells. Physiological Genomics, 2011, 43, 1255-1262.	2.3	21
60	Identification of the activating cytotoxicity receptor NKG2D as a senescence marker in zero-hour kidney biopsies is indicative for clinical outcome. Kidney International, 2017, 91, 1447-1463.	5.2	21
61	The Effects of Endurance Exercise and Diet on Atherosclerosis in Young and Aged ApoE^{â€“/â€“} and Wild-Type Mice. Gerontology, 2019, 65, 45-56.	2.8	21
62	EVI1 Inhibits Apoptosis Induced by Antileukemic Drugs via Upregulation of CDKN1A/p21/WAF in Human Myeloid Cells. PLoS ONE, 2013, 8, e56308.	2.5	20
63	Outgrowth, proliferation, viability, angiogenesis and phenotype of primary human endothelial cells in different purchasable endothelial culture media: feed wisely. Histochemistry and Cell Biology, 2019, 152, 377-390.	1.7	20
64	microRNAs in acute myeloid leukemia: Expression patterns, correlations with genetic and clinical parameters, and prognostic significance. Genes Chromosomes and Cancer, 2010, 49, 193-203.	2.8	18
65	All-trans retinoic acid enhances, and a pan-RAR antagonist counteracts, the stem cell promoting activity of EVI1 in acute myeloid leukemia. Cell Death and Disease, 2019, 10, 944.	6.3	18
66	Targeting the glucocorticoid receptor signature gene Mono Amine Oxidase-A enhances the efficacy of chemo- and anti-androgen therapy in advanced prostate cancer. Oncogene, 2021, 40, 3087-3100.	5.9	18
67	KCNJ3 is a new independent prognostic marker for estrogen receptor positive breast cancer patients. Oncotarget, 2016, 7, 84705-84717.	1.8	18
68	Differentiation between Acute Skin Rejection in Allotransplantation and T-Cell Mediated Skin Inflammation Based on Gene Expression Analysis. BioMed Research International, 2015, 2015, 1-11.	1.9	17
69	Immunomodulation with pomalidomide at early lymphocyte recovery after induction chemotherapy in newly diagnosed AML and high-risk MDS. Leukemia, 2020, 34, 1563-1576.	7.2	17
70	The Addition of Câ€Reactive Protein and von Willebrand Factor to Model for Endâ€Stage Liver Diseaseâ€Sodium Improves Prediction of Waitlist Mortality. Hepatology, 2021, 74, 1533-1545.	7.3	17
71	CD161 expression and regulation defines rapidly responding effector CD4+ T cells associated with improved survival in HPV16-associated tumors. , 2022, 10, e003995.		16
72	Arxes: retrotransposed genes required for adipogenesis. Nucleic Acids Research, 2011, 39, 3224-3239.	14.5	15

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73	Association between antibiotics use and outcome in patients with NSCLC treated with immunotherapeutics. Annals of Oncology, 2019, 30, 652-653.	1.2	15
74	Shock waves promote spinal cord repair via TLR3. JCI Insight, 2020, 5, .	5.0	15
75	Mathematical models for translational and clinical oncology. Journal of Clinical Bioinformatics, 2013, 3, 23.	1.2	14
76	Overexpression of KCNJ3 gene splice variants affects vital parameters of the malignant breast cancer cell line MCF-7 in an opposing manner. BMC Cancer, 2016, 16, 628.	2.6	14
77	Sidedness and TP53 mutations impact OS in anti-EGFR but not anti-VEGF treated mCRC - an analysis of the KRAS registry of the AGMT (Arbeitsgemeinschaft MedikamentÃ¶se Tumortherapie). BMC Cancer, 2018, 18, 11.	2.6	14
78	Regorafenib Is Associated With Increased Skeletal Muscle Loss Compared to TAS-102 in Metastatic Colorectal Cancer. Clinical Colorectal Cancer, 2019, 18, 159-166.e3.	2.3	14
79	Information technology solutions for integration of biomolecular and clinical data in the identification of new cancer biomarkers and targets for therapy. , 2010, 128, 488-498.		13
80	MicroRNAs and their role for T stage determination and lymph node metastasis in early colon carcinoma. Clinical and Experimental Metastasis, 2017, 34, 431-440.	3.3	13
81	Consequences of Perioperative Serotonin Reuptake Inhibitor Treatment During Hepatic Surgery. Hepatology, 2021, 73, 1956-1966.	7.3	13
82	Early postoperative arterial lactate concentrations to stratify risk of post-hepatectomy liver failure. British Journal of Surgery, 2021, 108, 1360-1370.	0.3	13
83	3D-cultivation of NSCLC cell lines induce gene expression alterations of key cancer-associated pathways and mimicin-vivoconditions. Oncotarget, 2017, 8, 112647-112661.	1.8	13
84	Java editor for biological pathways. Bioinformatics, 2003, 19, 786-787.	4.1	12
85	Adipose Triglyceride Lipase and Hormone-Sensitive Lipase Are Involved in Fat Loss in JunB-Deficient Mice. Endocrinology, 2011, 152, 2678-2689.	2.8	12
86	Î±/Î²-Hydrolase Domain Containing Protein 15 (ABHD15) â€“ an Adipogenic Protein Protecting from Apoptosis. PLoS ONE, 2013, 8, e79134.	2.5	12
87	The colorectal cancer immune paradox revisited. OncoImmunology, 2016, 5, e1078058.	4.6	12
88	Longâ€term outcome after hand and forearm transplantation â€“ a retrospective study. Transplant International, 2020, 33, 1762-1778.	1.6	12
89	Combined APRI/ALBI score to predict mortality after hepatic resection. BJS Open, 2021, 5, .	1.7	12
90	Clinical Impact of RANK Signalling in Ovarian Cancer. Cancers, 2019, 11, 791.	3.7	11

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91	Deficiency of malate-aspartate shuttle component SLC25A12 induces pulmonary metastasis. Cancer & Metabolism, 2020, 8, 26.	5.0	11
92	Effects of Oxidized Phospholipids on Gene Expression in RAW 264.7 Macrophages: A Microarray Study. PLoS ONE, 2014, 9, e110486.	2.5	11
93	The BH3-only protein NOXA serves as an independent predictor of breast cancer patient survival and defines susceptibility to microtubule targeting agents. Cell Death and Disease, 2021, 12, 1151.	6.3	11
94	GOLD.db: genomics of lipid-associated disorders database. BMC Genomics, 2004, 5, 93.	2.8	10
95	Transcriptional regulatory program in wild-type and retinoblastoma gene-deficient mouse embryonic fibroblasts during adipocyte differentiation. BMC Research Notes, 2011, 4, 157.	1.4	10
96	Endothelin-1 genetic polymorphism as predictive marker for bevacizumab in metastatic breast cancer. Pharmacogenomics Journal, 2017, 17, 344-350.	2.0	10
97	Differential gene expression in Aspergillus fumigatus induced by human platelets in vitro. International Journal of Medical Microbiology, 2015, 305, 327-338.	3.6	9
98	Sex matching does not impact the outcome after simultaneous pancreasâ€kidney transplantation. Clinical Transplantation, 2019, 33, e13717.	1.6	9
99	Toll-like receptor 3 mediates ischaemia/reperfusion injury after cardiac transplantation. European Journal of Cardio-thoracic Surgery, 2020, 57, 826-835.	1.4	9
100	TNFÎ± signalling predicts poor prognosis of patients with endometrial cancer. Carcinogenesis, 2020, 41, 1065-1073.	2.8	9
101	Downregulation of MTSS1 in acute myeloid leukemia is associated with a poor prognosis, chemotherapy resistance, and disease aggressiveness. Leukemia, 2021, 35, 2827-2839.	7.2	9
102	Differential response of arterial and venous endothelial cells to extracellular matrix is modulated by oxygen. Histochemistry and Cell Biology, 2012, 137, 641-655.	1.7	8
103	Truncated isoform Vav3.1 is highly expressed in ovarian cancer stem cells and clinically relevant in predicting prognosis and platinumâ€response. International Journal of Cancer, 2018, 142, 1640-1651.	5.1	8
104	Low Expression of miR-20a-5p Predicts Benefit to Bevacizumab in Metastatic Breast Cancer Patients Treated within the TANIA Phase III Trial. Journal of Clinical Medicine, 2020, 9, 1663.	2.4	7
105	Platelets and Antiplatelet Medication in COVID-19-Related Thrombotic Complications. Frontiers in Cardiovascular Medicine, 2021, 8, 802566.	2.4	7
106	Tetracycline Regulator Expression Alters the Transcriptional Program of Mammalian Cells. PLoS ONE, 2010, 5, e13013.	2.5	6
107	Influence of body mass index on survival in indolent and mantle cell lymphomas: analysis of the StiL NHL1 trial. Annals of Hematology, 2017, 96, 1155-1162.	1.8	6
108	Modeling therapy resistance via the <scp>EGFR</scp> signaling pathway. FEBS Journal, 2019, 286, 1284-1286.	4.7	6

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109	Complement Potentiates Immune Sensing of HIV-1 and Early Type I Interferon Responses. MBio, 2021, 12, e0240821.	4.1	6
110	Microbial Colonization in Adulthood Shapes the Intestinal Macrophage Compartment. Journal of Crohn's and Colitis, 2019, 13, 1173-1185.	1.3	5
111	TIS7 induces transcriptional cascade of methylosome components required for muscle differentiation. BMC Biology, 2016, 14, 95.	3.8	4
112	Investigating epigenetic effects of activation-induced deaminase in chronic lymphocytic leukemia. PLoS ONE, 2018, 13, e0208753.	2.5	4
113	Circulating metabolites as a concept beyond tumor biology determining disease recurrence after resection of colorectal liver metastasis. Hpb, 2022, 24, 116-129.	0.3	4
114	The Impact of Skin Type and Area on Skin Rejection in Limb Transplantation. Vascularized Composite Allotransplantation, 2014, 1, 42-49.	0.5	3
115	Hospitalizations and Clinical Outcome in Metastatic Colorectal Cancer During Regorafenib or TAS-102 Therapy. Cancers, 2020, 12, 2812.	3.7	3
116	Expression of MICA in Zero Hour Biopsies Predicts Graft Survival After Liver Transplantation. Frontiers in Immunology, 2021, 12, 606146.	4.8	3
117	Insights into Global Mechanisms and Disease by Gene Expression Profiling. Methods in Molecular Biology, 2011, 719, 269-298.	0.9	2
118	GPViz: dynamic visualization of genomic regions and variants affecting protein domains. Bioinformatics, 2013, 29, 2195-2196.	4.1	2
119	GIRK1 overexpression correlates with ER positive breast cancer subtypes and is associated with poor prognosis. Annals of Oncology, 2015, 26, iii15.	1.2	2
120	Soluble immune checkpoints CD27, Lag3, PD-L2 and Tim3 in early stage NSCLC patients. European Journal of Cancer, 2018, 92, S12.	2.8	2
121	Overcoming negative predictions of microRNA expressions to gemcitabine response with FOLFIRINOX in advanced pancreatic cancer patients. Future Science OA, 2021, 7, FSO644.	1.9	2
122	Noninvasive evaluation of intragraft immune responses in upper extremity transplantation. Transplant International, 2021, 34, 894-905.	1.6	2
123	Acute Myeloid Leukemia (AML) Blasts Influence the Gene Expression Signature and Co-Signaling Receptor Expression of CD8+ T Cells. Blood, 2016, 128, 1700-1700.	1.4	2
124	Abstract 2161: Identifying GDF-15 as potential novel immunotherapeutic target linked to immune cell exclusion in tumors and resistance to anti-PD-1 treatment. , 2020, , .		2
125	Hepatocellular carcinoma as predominant cancer subgroup accounting for sex differences in post-hepatectomy liver failure, morbidity and mortality. Hpb, 2022, 24, 1453-1463.	0.3	2
126	Low expression of miR-20a-5p predicts benefit to bevacizumab in metastatic breast cancer patients treated within the TANIA trial. Annals of Oncology, 2017, 28, v25.	1.2	1

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127	Abstract P4-07-03: MicroRNAs correlating with outcome in patients treated with first-line bevacizumab for metastatic breast cancer. , 2015, , .		1
128	Integrating Biomolecular and Clinical Data for Cancer Research: Concepts and Challenges. , 2012, , 159-172.		0
129	Differentiation Between Vascularized Composite Allograft Acute Skin Rejection and Delayed Type Hypersensitivity Reactions Based on Cytokine Analysis. Vascularized Composite Allotransplantation, 2015, 2, 9-16.	0.5	0
130	Sidedness and TP53 mutations impact OS in anti-EGFR but not anti-VEGF treated mCRC - An analysis of		

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145	MIO: microRNA target analysis system for immuno-oncology. Bioinformatics, 2022, 38, 3665-3667.	4.1	0