

# Hans-Juergen Schulten

## List of Publications by Year in descending order

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79  
papers

1,915  
citations

186265

28  
h-index

276875

41  
g-index

80  
all docs

80  
docs citations

80  
times ranked

3151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Meta-analysis of whole-genome gene expression datasets assessing the effects of IDH1 and IDH2 mutations in isogenic disease models. <i>Scientific Reports</i> , 2022, 12, 57.	3.3	3
2	Editorial: Advances in Cancer Stem Cell Biology. <i>Frontiers in Genetics</i> , 2021, 12, 655187.	2.3	0
3	Alterations of transcriptome expression, cell cycle, and mitochondrial superoxide reveal foetal endothelial dysfunction in Saudi women with gestational diabetes mellitus. <i>Endocrine Journal</i> , 2021, 68, 1067-1079.	1.6	4
4	Genetic relationship between Hashimoto's thyroiditis and papillary thyroid carcinoma with coexisting Hashimoto's thyroiditis. <i>PLoS ONE</i> , 2020, 15, e0234566.	2.5	24
5	Overlapping variants in the blood, tissues and cell lines for patients with intracranial meningiomas are predominant in stem cell-related genes. <i>Heliyon</i> , 2020, 6, e05632.	3.2	4
6	Leveraging the Role of the Metastatic Associated Protein Anterior Gradient Homologue 2 in Unfolded Protein Degradation: A Novel Therapeutic Biomarker for Cancer. <i>Cancers</i> , 2019, 11, 890.	3.7	10
7	Meta-Analysis of Microarray Expression Studies on Metformin in Cancer Cell Lines. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3173.	4.1	10
8	Array expression meta-analysis of cancer stem cell genes identifies upregulation of PODXL especially in DCC low expression meningiomas. <i>PLoS ONE</i> , 2019, 14, e0215452.	2.5	6
9	Identification of De Novo and Rare Inherited Copy Number Variants in Children with Syndromic Congenital Heart Defects. <i>Pediatric Cardiology</i> , 2018, 39, 924-940.	1.3	15
10	Pleiotropic Effects of Metformin on Cancer. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2850.	4.1	61
11	Proangiogenic Effect of Metformin in Endothelial Cells Is via Upregulation of VEGFR1/2 and Their Signaling under Hyperglycemia-Hypoxia. <i>International Journal of Molecular Sciences</i> , 2018, 19, 293.	4.1	40
12	In situ characterization of stem cells-like biomarkers in meningiomas. <i>Cancer Cell International</i> , 2018, 18, 77.	4.1	15
13	Chromosomal Micro-aberration in a Saudi Family with Juvenile Myoclonic Epilepsy. <i>CNS and Neurological Disorders - Drug Targets</i> , 2018, 16, 1010-1017.	1.4	7
14	Genomic answers for recurrent spontaneous abortion in Saudi Arabia: An array comparative genomic hybridization approach. <i>Reproductive Biology</i> , 2017, 17, 133-143.	1.9	17
15	Comprehensive molecular biomarker identification in breast cancer brain metastases. <i>Journal of Translational Medicine</i> , 2017, 15, 269.	4.4	80
16	Pleomorphism and drug resistant cancer stem cells are characteristic of aggressive primary meningioma cell lines. <i>Cancer Cell International</i> , 2017, 17, 72.	4.1	21
17	Microarray Expression Data Identify DCC as a Candidate Gene for Early Meningioma Progression. <i>PLoS ONE</i> , 2016, 11, e0153681.	2.5	40
18	Associations of recurrent miscarriages with chromosomal abnormalities, thrombophilia allelic polymorphisms and/or consanguinity in Saudi Arabia. <i>BMC Medical Genetics</i> , 2016, 17, 69.	2.1	25

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19	Cyclin D1 as a therapeutic target of renal cell carcinoma- a combined transcriptomics, tissue microarray and molecular docking study from the Kingdom of Saudi Arabia. BMC Cancer, 2016, 16, 741.	2.6	32
20	Low expression of leptin and its association with breast cancer: A transcriptomic study. Oncology Reports, 2016, 36, 43-48.	2.6	17
21	Metformin improves the angiogenic potential of human CD34+ cells co-incident with downregulating CXCL10 and TIMP1 gene expression and increasing VEGFA under hyperglycemia and hypoxia within a therapeutic window for myocardial infarction. Cardiovascular Diabetology, 2016, 15, 27.	6.8	43
22	Enhancement of Pathologist's Routine Practice: Reuse of DNA Extracted from Immunostained Formalin-fixed Paraffin-embedded (FFPE) Slides in Downstream Molecular Analysis of Cancer. Cancer Genomics and Proteomics, 2016, 13, 399-406.	2.0	3
23	Microarray expression profiling identifies genes, including cytokines, and biofunctions, as diapedesis, associated with a brain metastasis from a papillary thyroid carcinoma. American Journal of Cancer Research, 2016, 6, 2140-2161.	1.4	10
24	Transcriptomics profiling study of breast cancer from Kingdom of Saudi Arabia revealed altered expression of Adiponectin and Fatty Acid Binding Protein4: Is lipid metabolism associated with breast cancer?. BMC Genomics, 2015, 16, S11.	2.8	34
25	Effect of BRAFmutational status on expression profiles in conventional papillary thyroid carcinomas. BMC Genomics, 2015, 16, S6.	2.8	16
26	Comparison of microarray expression profiles between follicular variant of papillary thyroid carcinomas and follicular adenomas of the thyroid. BMC Genomics, 2015, 16, S7.	2.8	40
27	Molecular Interaction of a Kinase Inhibitor Midostaurin with Anticancer Drug Targets, S100A8 and EGFR: Transcriptional Profiling and Molecular Docking Study for Kidney Cancer Therapeutics. PLoS ONE, 2015, 10, e0119765.	2.5	20
28	Individualized medicine enabled by genomics in Saudi Arabia. BMC Medical Genomics, 2015, 8, S3.	1.5	40
29	Reference Genes for Expression Studies in Hypoxia and Hyperglycemia Models in Human Umbilical Vein Endothelial Cells. G3: Genes, Genomes, Genetics, 2014, 4, 2159-2165.	1.8	29
30	High-density microarray expression profiling in conventional papillary thyroid carcinomas with versus without a BRAF mutation. BMC Genomics, 2014, 15, .	2.8	0
31	Endogenous controls in human umbilical vein endothelial cells under metabolic and oxidative stress. BMC Genomics, 2014, 15, P23.	2.8	1
32	High-density expression profiling of renal cell carcinomas from Saudi Arabia: a preliminary study. BMC Genomics, 2014, 15, .	2.8	0
33	Initial characterization of drug resistant cancer stem cells isolated from primary brain tumors (astrocytoma) cell lines generated from Saudi patients. BMC Genomics, 2014, 15, .	2.8	1
34	Gene expression profiling of lymph node positive-negative metastasis of primary breast cancer in Saudi Arabian patients. BMC Genomics, 2014, 15, P55.	2.8	1
35	Frequent microdeletions in conventional papillary thyroid carcinoma detected by high-density oligonucleotide microarrays. BMC Genomics, 2014, 15, .	2.8	0
36	Brain and bone metastasis from malignant thyroid carcinomas originating in western Saudi Arabia. BMC Genomics, 2014, 15, .	2.8	0

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37	Association of single nucleotide polymorphisms in FOXE1 and pre-MIR146A with papillary thyroid carcinoma. BMC Genomics, 2014, 15, .	2.8	1
38	Nodular goiter and hyperplastic lesion of the thyroid share common deregulated expression profiles. BMC Genomics, 2014, 15, .	2.8	2
39	Expression of matrix metalloproteinases (MMPs) in primary human breast cancer: MMP-9 as a potential biomarker for cancer invasion and metastasis. Anticancer Research, 2014, 34, 1355-66.	1.1	129
40	Impact of S100A8 expression on kidney cancer progression and molecular docking studies for kidney cancer therapeutics. Anticancer Research, 2014, 34, 1873-84.	1.1	12
41	Comprehensive survey of HRAS, KRAS, and NRAS mutations in proliferative thyroid lesions from an ethnically diverse population. Anticancer Research, 2013, 33, 4779-84.	1.1	32
42	Methylation of the Polycomb Group Target Genes Is a Possible Biomarker for Favorable Prognosis in Colorectal Cancer. Cancer Epidemiology Biomarkers and Prevention, 2012, 21, 2069-2075.	2.5	24
43	BRAF mutations in thyroid tumors from an ethnically diverse group. Hereditary Cancer in Clinical Practice, 2012, 10, 10.	1.5	37
44	Mutational screening of RET, HRAS, KRAS, NRAS, BRAF, AKT1, and CTNNB1 in medullary thyroid carcinoma. Anticancer Research, 2011, 31, 4179-83.	1.1	28
45	CNS Tumor 22 Years after Spinal Neuroblastoma IV: Diagnostic Dilemma between Recurrence and Secondary Malignancy. Pediatric Neurosurgery, 2009, 45, 61-68.	0.7	2
46	Loss of 9p leads to p16 <sup>INK4A</sup> down-regulation and enables RB/E2F1-dependent cell cycle promotion in gastrointestinal stromal tumours (GISTs). Journal of Pathology, 2008, 215, 253-262.	4.5	36
47	Increased KIT signalling with up-regulation of cyclin D correlates to accelerated proliferation and shorter disease-free survival in gastrointestinal stromal tumours (GISTs) with <i>KIT</i> exon 11 deletions. Journal of Pathology, 2008, 216, 225-235.	4.5	20
48	Establishment, characterization and drug sensitivity testing in primary cultures of human thymoma and thymic carcinoma. International Journal of Cancer, 2008, 122, 2719-2725.	5.1	41
49	Characterization of a newly established uterine carcinosarcoma cell line featuring the sarcomatous phenotype of the tumor in vitro. International Journal of Gynecological Cancer, 2008, 18, 339-344.	2.5	8
50	Nogo-A Expression in Glial CNS Tumors. American Journal of Surgical Pathology, 2008, 32, 1444-1453.	3.7	28
51	Correlation of chromosomal imbalances by comparative genomic hybridization and expression of EGFR, PTEN, p53, and MIB-1 in diffuse gliomas. Oncology Reports, 2007, 17, 1037.	2.6	3
52	Multicentric Sporadic Gastrointestinal Stromal Tumors (GISTs) of the Stomach With Distinct Clonal Origin: Differential Diagnosis to Familial and Syndromal GIST Variants and Peritoneal Metastasis. American Journal of Surgical Pathology, 2007, 31, 933-937.	3.7	46
53	Follicular dendritic cell sarcoma of the spleen. Human Pathology, 2007, 38, 668-672.	2.0	35
54	An oncogenetic tree model in gastrointestinal stromal tumours (GISTs) identifies different pathways of cytogenetic evolution with prognostic implications. Journal of Pathology, 2007, 211, 463-470.	4.5	91

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55	Site-dependent differential KIT and PDGFRA expression in gastric and intestinal gastrointestinal stromal tumors. <i>Modern Pathology</i> , 2007, 20, 1103-1111.	5.5	24
56	Establishment and characterization of two distinct malignant mesothelioma cell lines with common clonal origin. <i>Cancer Genetics and Cytogenetics</i> , 2007, 176, 35-47.	1.0	5
57	Surgical Management After Neoadjuvant Imatinib Therapy in Gastrointestinal Stromal Tumours (GISTs) with Respect to Imatinib Resistance Caused by Secondary KIT Mutations. <i>Annals of Surgical Oncology</i> , 2007, 14, 526-532.	1.5	102
58	Myxoinflammatory fibroblastic sarcoma: investigations by comparative genomic hybridization of two cases and review of the literature. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2007, 451, 923-928.	2.8	24
59	Assessment of molecular events in squamous and non-squamous cell lung carcinoma. <i>Lung Cancer</i> , 2006, 54, 293-301.	2.0	32
60	Differential diagnosis of gastrointestinal leiomyoma versus gastrointestinal stromal tumor. <i>International Journal of Colorectal Disease</i> , 2006, 21, 84-88.	2.2	14
61	Comparative genomic hybridization analysis on male breast cancer. <i>International Journal of Cancer</i> , 2006, 118, 2455-2460.	5.1	24
62	Effects of Chemotherapy on the Cytogenetic Constitution of Wilms' Tumor. <i>Clinical Cancer Research</i> , 2005, 11, 4382-4387.	7.0	9
63	Prognostic Role of <i>E2F1</i> and Members of the <i>CDKN2A</i> Network in Gastrointestinal Stromal Tumors. <i>Clinical Cancer Research</i> , 2005, 11, 6589-6597.	7.0	79
64	Relationship between Molecular Variants and Clinical Manifestions in Twelve Glucose-6-Phosphate Dehydrogenase-Deficient Patients in Jordan. <i>Acta Haematologica</i> , 2005, 114, 125-126.	1.4	3
65	Cytogenetic characterization of 5 pheochromocytomas. <i>Cancer Genetics and Cytogenetics</i> , 2004, 154, 163-166.	1.0	8
66	Site-independent prognostic value of chromosome 9q loss in primary gastrointestinal stromal tumours. <i>Journal of Pathology</i> , 2004, 202, 421-429.	4.5	49
67	Rectal adenocarcinoma with choriocarcinomatous differentiation: Clinical and genetic aspects. <i>Human Pathology</i> , 2004, 35, 1427-1430.	2.0	41
68	Identification of a BAC clone overlapping the t(6p12.3) breakpoint in the cell line ESS-1 derived from an endometrial stromal sarcoma. <i>Cancer Genetics and Cytogenetics</i> , 2003, 147, 84-86.	1.0	6
69	Polysomy 8 in three cases of homologous malignant mixed Müllerian tumors of the uterus. <i>Anticancer Research</i> , 2003, 23, 1379-83.	1.1	2
70	The Potential Value of Comparative Genomic Hybridization Analysis in Effusion and Fine Needle Aspiration Cytology. <i>Modern Pathology</i> , 2002, 15, 818-825.	5.5	32
71	Cytogenetic characterization of complex karyotypes in seven established melanoma cell lines by multiplex fluorescence in situ hybridization and DAPI banding. <i>Cancer Genetics and Cytogenetics</i> , 2002, 133, 134-141.	1.0	22
72	Molecular cytogenetic analysis of two primary squamous cell carcinomas of the lung using multicolor fluorescence in situ hybridization. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2001, 439, 85-89.	2.8	7

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73	Assessment of promoter elements of the germ cell-specific proacrosin gene. <i>Journal of Cellular Biochemistry</i> , 2001, 83, 155-162.	2.6	8
74	Clear-cell odontogenic carcinoma with pulmonary metastases resembling pulmonary meningothelial-like nodules. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2001, 438, 412-417.	2.8	43
75	Differential expression of the lung resistance-related protein/major vault protein in the histological compartments of nephroblastomas. <i>International Journal of Oncology</i> , 2001, 19, 163-8.	3.3	7
76	Differential expression of the multidrug resistance-related protein MRP1 in the histological compartments of nephroblastomas. <i>International Journal of Oncology</i> , 2001, 19, 367-71.	3.3	8
77	Cytogenetic and DNA-Fingerprint Characterization of Choriocarcinoma Cell Lines and a Trophoblast/Choriocarcinoma Cell Hybrid. <i>Cancer Genetics and Cytogenetics</i> , 2000, 116, 16-22.	1.0	45
78	Genomic Structure and in Vivo Expression of the Human Organic Anion Transporter 1 (hOAT1) Gene. <i>Biochemical and Biophysical Research Communications</i> , 2000, 275, 623-630.	2.1	51
79	Yeast One-Hybrid Assay Identifies YY1 as a Binding Factor for a Proacrosin Promoter Element. <i>Biochemical and Biophysical Research Communications</i> , 1999, 257, 871-873.	2.1	10