

Hans-Juergen Schulten

List of Publications by Year in descending order

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Version: 2024-02-01

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	Expression of matrix metalloproteinases (MMPs) in primary human breast cancer: MMP-9 as a potential biomarker for cancer invasion and metastasis. <i>Anticancer Research</i> , 2014, 34, 1355-66.	1.1	129
2	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
3	An oncogenetic tree model in gastrointestinal stromal tumours (GISTs) identifies different pathways of cytogenetic evolution with prognostic implications. <i>Journal of Pathology</i> , 2007, 211, 463-470.	4.5	91
4	Comprehensive molecular biomarker identification in breast cancer brain metastases. <i>Journal of Translational Medicine</i> , 2017, 15, 269.	4.4	80
5	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
6	Pleiotropic Effects of Metformin on Cancer. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2850.	4.1	61
7	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
8	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
9	Multicentric Sporadic Gastrointestinal Stromal Tumors (GISTs) of the Stomach With Distinct Clonal Origin: Differential Diagnosis to Familial and Syndromal GIST Variants and Peritoneal Metastasis. <i>American Journal of Surgical Pathology</i> , 2007, 31, 933-937.	3.7	46
10	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
11	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
12	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. <i>Cardiovascular Diabetology</i> , 2016, 15, 27.	6.8	43
13	Rectal adenocarcinoma with choriocarcinomatous differentiation: Clinical and genetic aspects. <i>Human Pathology</i> , 2004, 35, 1427-1430.	2.0	41
14	Establishment, characterization and drug sensitivity testing in primary cultures of human thymoma and thymic carcinoma. <i>International Journal of Cancer</i> , 2008, 122, 2719-2725.	5.1	41
15	Comparison of microarray expression profiles between follicular variant of papillary thyroid carcinomas and follicular adenomas of the thyroid. <i>BMC Genomics</i> , 2015, 16, S7.	2.8	40
16	Individualized medicine enabled by genomics in Saudi Arabia. <i>BMC Medical Genomics</i> , 2015, 8, S3.	1.5	40
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	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

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19	BRAF mutations in thyroid tumors from an ethnically diverse group. <i>Hereditary Cancer in Clinical Practice</i> , 2012, 10, 10.	1.5	37
20	Loss of 9p leads to p16 ^{INK4A} down-regulation and enables RB/E2F1-dependent cell cycle promotion in gastrointestinal stromal tumours (GISTs). <i>Journal of Pathology</i> , 2008, 215, 253-262.	4.5	36
21	Follicular dendritic cell sarcoma of the spleen. <i>Human Pathology</i> , 2007, 38, 668-672.	2.0	35
22	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?. <i>BMC Genomics</i> , 2015, 16, S11.	2.8	34
23	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
24	Assessment of molecular events in squamous and non-squamous cell lung carcinoma. <i>Lung Cancer</i> , 2006, 54, 293-301.	2.0	32
25	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. <i>BMC Cancer</i> , 2016, 16, 741.	2.6	32
26	Comprehensive survey of HRAS, KRAS, and NRAS mutations in proliferative thyroid lesions from an ethnically diverse population. <i>Anticancer Research</i> , 2013, 33, 4779-84.	1.1	32
27	Reference Genes for Expression Studies in Hypoxia and Hyperglycemia Models in Human Umbilical Vein Endothelial Cells. <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 2159-2165.	1.8	29
28	Nogo-A Expression in Glial CNS Tumors. <i>American Journal of Surgical Pathology</i> , 2008, 32, 1444-1453.	3.7	28
29	Mutational screening of RET, HRAS, KRAS, NRAS, BRAF, AKT1, and CTNNB1 in medullary thyroid carcinoma. <i>Anticancer Research</i> , 2011, 31, 4179-83.	1.1	28
30	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
31	Comparative genomic hybridization analysis on male breast cancer. <i>International Journal of Cancer</i> , 2006, 118, 2455-2460.	5.1	24
32	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
33	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
34	Methylation of the Polycomb Group Target Genes Is a Possible Biomarker for Favorable Prognosis in Colorectal Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2012, 21, 2069-2075.	2.5	24
35	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
36	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

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37	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
38	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. <i>Journal of Pathology</i> , 2008, 216, 225-235.	4.5	20
39	Molecular Interaction of a Kinase Inhibitor Midostaurin with Anticancer Drug Targets, S100A8 and EGFR: Transcriptional Profiling and Molecular Docking Study for Kidney Cancer Therapeutics. <i>PLoS ONE</i> , 2015, 10, e0119765.	2.5	20
40	Low expression of leptin and its association with breast cancer: A transcriptomic study. <i>Oncology Reports</i> , 2016, 36, 43-48.	2.6	17
41	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
42	Effect of BRAF mutational status on expression profiles in conventional papillary thyroid carcinomas. <i>BMC Genomics</i> , 2015, 16, S6.	2.8	16
43	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
44	In situ characterization of stem cells-like biomarkers in meningiomas. <i>Cancer Cell International</i> , 2018, 18, 77.	4.1	15
45	Differential diagnosis of gastrointestinal leiomyoma versus gastrointestinal stromal tumor. <i>International Journal of Colorectal Disease</i> , 2006, 21, 84-88.	2.2	14
46	Impact of S100A8 expression on kidney cancer progression and molecular docking studies for kidney cancer therapeutics. <i>Anticancer Research</i> , 2014, 34, 1873-84.	1.1	12
47	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
48	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
49	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
50	Microarray expression profiling identifies genes, including cytokines, and biofunctions, as diapedesis, associated with a brain metastasis from a papillary thyroid carcinoma. <i>American Journal of Cancer Research</i> , 2016, 6, 2140-2161.	1.4	10
51	Effects of Chemotherapy on the Cytogenetic Constitution of Wilms' Tumor. <i>Clinical Cancer Research</i> , 2005, 11, 4382-4387.	7.0	9
52	Assessment of promoter elements of the germ cell-specific proacrosin gene. <i>Journal of Cellular Biochemistry</i> , 2001, 83, 155-162.	2.6	8
53	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
54	Cytogenetic characterization of 5 pheochromocytomas. <i>Cancer Genetics and Cytogenetics</i> , 2004, 154, 163-166.	1.0	8

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55	Characterization of a newly established uterine carcinosarcoma cell line featuring the sarcomatous phenotype of the tumor in vitro. <i>International Journal of Gynecological Cancer</i> , 2008, 18, 339-344.	2.5	8
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	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
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	Correlation of chromosomal imbalances by comparative genomic hybridization and expression of EGFR, PTEN, p53, and MIB-1 in diffuse gliomas. <i>Oncology Reports</i> , 2007, 17, 1037.	2.6	3
66	Enhancement of Pathologist's Routine Practice: Reuse of DNA Extracted from Immunostained Formalin-fixed Paraffin-embedded (FFPE) Slides in Downstream Molecular Analysis of Cancer. <i>Cancer Genomics and Proteomics</i> , 2016, 13, 399-406.	2.0	3
67	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
68	CNS Tumor 22 Years after Spinal Neuroblastoma IV: Diagnostic Dilemma between Recurrence and Secondary Malignancy. <i>Pediatric Neurosurgery</i> , 2009, 45, 61-68.	0.7	2
69	Nodular goiter and hyperplastic lesion of the thyroid share common deregulated expression profiles. <i>BMC Genomics</i> , 2014, 15, .	2.8	2
70	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
71	Endogenous controls in human umbilical vein endothelial cells under metabolic and oxidative stress. <i>BMC Genomics</i> , 2014, 15, P23.	2.8	1
72	Initial characterization of drug resistant cancer stem cells isolated from primary brain tumors (astrocytoma) cell lines generated from Saudi patients. <i>BMC Genomics</i> , 2014, 15, .	2.8	1

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73	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
74	Association of single nucleotide polymorphisms in FOXE1 and pre-MIR146A with papillary thyroid carcinoma. BMC Genomics, 2014, 15, .	2.8	1
75	High-density microarray expression profiling in conventional papillary thyroid carcinomas with versus without a BRAF mutation. BMC Genomics, 2014, 15, .	2.8	0
76	High-density expression profiling of renal cell carcinomas from Saudi Arabia: a preliminary study. BMC Genomics, 2014, 15, .	2.8	0
77	Frequent microdeletions in conventional papillary thyroid carcinoma detected by high-density oligonucleotide microarrays. BMC Genomics, 2014, 15, .	2.8	0
78	Brain and bone metastasis from malignant thyroid carcinomas originating in western Saudi Arabia. BMC Genomics, 2014, 15, .	2.8	0
79	Editorial: Advances in Cancer Stem Cell Biology. Frontiers in Genetics, 2021, 12, 655187.	2.3	0