

Hubert Hondermarck

List of Publications by Year in descending order

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106
papers

4,611
citations

117571

34
h-index

110317

64
g-index

114
all docs

114
docs citations

114
times ranked

6068
citing authors

#	ARTICLE	IF	CITATIONS
1	Reciprocal Modulation of Astrocyte Stellation by Thrombin and Protease Nexin-1. <i>Journal of Neurochemistry</i> , 1990, 54, 1735-1743.	2.1	207
2	Nerve-“Cancer Cell Cross-talk: A Novel Promoter of Tumor Progression. <i>Cancer Research</i> , 2015, 75, 1777-1781.	0.4	202
3	Nerve Growth Factor Stimulates Proliferation and Survival of Human Breast Cancer Cells through Two Distinct Signaling Pathways. <i>Journal of Biological Chemistry</i> , 2001, 276, 17864-17870.	1.6	200
4	Nerve Dependence: From Regeneration to Cancer. <i>Cancer Cell</i> , 2017, 31, 342-354.	7.7	197
5	Roadmap for the Emerging Field of Cancer Neuroscience. <i>Cell</i> , 2020, 181, 219-222.	13.5	182
6	Tumor Neurobiology and the War of Nerves in Cancer. <i>Cancer Discovery</i> , 2019, 9, 702-710.	7.7	163
7	Nerve Growth Factor Is a Potential Therapeutic Target in Breast Cancer. <i>Cancer Research</i> , 2008, 68, 346-351.	0.4	153
8	Yeast methionine aminopeptidase I can utilize either Zn ²⁺ or Co ²⁺ as a cofactor: A case of mistaken identity?. <i>Protein Science</i> , 1998, 7, 2684-2687.	3.1	135
9	Brain-Derived Neurotrophic Factor and Neurotrophin-4/5 Are Expressed in Breast Cancer and Can Be Targeted to Inhibit Tumor Cell Survival. <i>Clinical Cancer Research</i> , 2011, 17, 1741-1752.	3.2	105
10	Nerve fibers infiltrate the tumor microenvironment and are associated with nerve growth factor production and lymph node invasion in breast cancer. <i>Molecular Oncology</i> , 2015, 9, 1626-1635.	2.1	105
11	NGF and ProNGF: Regulation of neuronal and neoplastic responses through receptor signaling. <i>Advances in Biological Regulation</i> , 2015, 58, 16-27.	1.4	91
12	Neurotrophins and their receptors in breast cancer. <i>Cytokine and Growth Factor Reviews</i> , 2012, 23, 357-365.	3.2	90
13	ProNGF Correlates with Gleason Score and Is a Potential Driver of Nerve Infiltration in Prostate Cancer. <i>American Journal of Pathology</i> , 2014, 184, 3156-3162.	1.9	86
14	Application of combined mass spectrometry and partial amino acid sequence to the identification of gel-separated proteins. <i>Electrophoresis</i> , 1996, 17, 877-891.	1.3	85
15	Autocrine mitogenic activity of pheromones produced by the protozoan ciliate <i>Euplotes raikovi</i> . <i>Nature</i> , 1995, 376, 522-524.	13.7	78
16	Identification of three subtypes of triple-negative breast cancer with potential therapeutic implications. <i>Breast Cancer Research</i> , 2019, 21, 65.	2.2	78
17	Antibody-targeted biodegradable nanoparticles for cancer therapy. <i>Nanomedicine</i> , 2016, 11, 63-79.	1.7	76
18	Targeting neurotrophin signaling in cancer: The renaissance. <i>Pharmacological Research</i> , 2018, 135, 12-17.	3.1	71

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19	Nerve growth factor: Structure/function relationships. <i>Protein Science</i> , 1994, 3, 1901-1913.	3.1	69
20	Pro-nerve Growth Factor Induces Autocrine Stimulation of Breast Cancer Cell Invasion through Tropomyosin-related Kinase A (TrkA) and Sortilin Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 1923-1931.	1.6	69
21	Production of 1,2-Diacylglycerol in PC12 Cells by Nerve Growth Factor and Basic Fibroblast Growth Factor. <i>Journal of Neurochemistry</i> , 1990, 54, 1666-1676.	2.1	60
22	Proteotranscriptomic Profiling of 231-BR Breast Cancer Cells: Identification of Potential Biomarkers and Therapeutic Targets for Brain Metastasis. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2316-2330.	2.5	59
23	Chemical Signaling in Ciliates. <i>Journal of Eukaryotic Microbiology</i> , 1995, 42, 208-212.	0.8	58
24	Sortilin is associated with breast cancer aggressiveness and contributes to tumor cell adhesion and invasion. <i>Oncotarget</i> , 2015, 6, 10473-10486.	0.8	58
25	The Emerging Role of the Microenvironment in Endometrial Cancer. <i>Cancers</i> , 2018, 10, 408.	1.7	54
26	Role of glandular kallikreins as growth factor processing enzymes: Structural and evolutionary considerations. <i>Journal of Cellular Biochemistry</i> , 1987, 33, 65-75.	1.2	50
27	Tumour innervation and neurosignalling in prostate cancer. <i>Nature Reviews Urology</i> , 2020, 17, 119-130.	1.9	50
28	The role of growth factor receptors in viral infections: An opportunity for drug repurposing against emerging viral diseases such as COVID-19?. <i>FASEB BioAdvances</i> , 2020, 2, 296-303.	1.3	50
29	From Proteins to Proteomics. <i>IUBMB Life</i> , 2005, 57, 267-272.	1.5	49
30	Methionine aminopeptidases and angiogenesis. <i>Essays in Biochemistry</i> , 2002, 38, 65-78.	2.1	48
31	Neurotrophin Receptors TrkA, p75NTR, and Sortilin Are Increased and Targetable in Thyroid Cancer. <i>American Journal of Pathology</i> , 2018, 188, 229-241.	1.9	44
32	INPP4B is upregulated and functions as an oncogenic driver through SGK3 in a subset of melanomas. <i>Oncotarget</i> , 2015, 6, 39891-39907.	0.8	40
33	Discoidin domain receptor 1 (DDR1) signaling in PC12 cells: activation of juxtamembrane domains in PDGFR/DDR/TrkA chimeric receptors. <i>FASEB Journal</i> , 2000, 14, 973-981.	0.2	37
34	Proteogenomics: emergence and promise. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 953-957.	2.4	36
35	Signal Transduction in Diffuse Intrinsic Pontine Glioma. <i>Proteomics</i> , 2019, 19, 1800479.	1.3	36
36	FAT1 cadherin acts upstream of Hippo signalling through TAZ to regulate neuronal differentiation. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 4653-4669.	2.4	35

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37	Structural characterization of mating pheromone precursors of the ciliate protozoan <i>Euplotes raikovi</i> . High conservation of pre and pro regions versus high variability of secreted regions. <i>FEBS Journal</i> , 1991, 202, 759-764.	0.2	34
38	The disulfide bond pairing of the pheromones E1 and E2 of the ciliated protozoan <i>Euplotes raikovi</i> . <i>Protein Science</i> , 1992, 1, 777-785.	3.1	34
39	Nerve Growth Factor Receptor TrkA Signaling in Breast Cancer Cells Involves Ku70 to Prevent Apoptosis. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1842-1854.	2.5	34
40	PC12-E2 cells: A stable variant with altered responses to growth factor stimulation. <i>Journal of Cellular Physiology</i> , 1995, 164, 522-532.	2.0	33
41	Localization of Acidic Fibroblast Growth Factor within the Mouse Brain Using Biochemical and Immunocytochemical Techniques. <i>Growth Factors</i> , 1992, 6, 139-157.	0.5	31
42	The Sympathetic Nervous System Drives Tumor Angiogenesis. <i>Trends in Cancer</i> , 2018, 4, 93-94.	3.8	29
43	ASIC1 and ASIC3 mediate cellular senescence of human nucleus pulposus mesenchymal stem cells during intervertebral disc degeneration. <i>Aging</i> , 2021, 13, 10703-10723.	1.4	29
44	Tumor innervation and clinical outcome in pancreatic cancer. <i>Scientific Reports</i> , 2021, 11, 7390.	1.6	29
45	Proteomics Demonstration That Normal Breast Epithelial Cells Can Induce Apoptosis of Breast Cancer Cells through Insulin-like Growth Factor-binding Protein-3 and Maspin. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1239-1247.	2.5	27
46	The neurotrophic tyrosine kinase receptor TrkA and its ligand NGF are increased in squamous cell carcinomas of the lung. <i>Scientific Reports</i> , 2018, 8, 8135.	1.6	27
47	Innervation of papillary thyroid cancer and its association with extra-thyroidal invasion. <i>Scientific Reports</i> , 2020, 10, 1539.	1.6	26
48	Expression of the urokinase plasminogen activator receptor is transiently required during 'priming' of PC12 cells in nerve growth factor-directed cellular differentiation. <i>Journal of Neuroscience Research</i> , 2001, 63, 341-346.	1.3	25
49	ProNGF is a potential diagnostic biomarker for thyroid cancer. <i>Oncotarget</i> , 2016, 7, 28488-28497.	0.8	24
50	Spinal Cord Injuries and Nerve Dependence in Prostate Cancer. <i>Trends in Cancer</i> , 2017, 3, 812-815.	3.8	20
51	Characterization of prostate cancer using diffusion tensor imaging: A new perspective. <i>European Journal of Radiology</i> , 2019, 110, 112-120.	1.2	20
52	Methionine aminopeptidase 2 inhibition: antiangiogenesis and tumour therapy. <i>Expert Opinion on Therapeutic Patents</i> , 2004, 14, 1-6.	2.4	19
53	Docosahexaenoic acid inhibits the invasion of MDA-MB-231 breast cancer cells through upregulation of cytokeratin-1. <i>International Journal of Oncology</i> , 2015, 46, 2649-2655.	1.4	19
54	Scout-MRM: Multiplexed Targeted Mass Spectrometry-Based Assay without Retention Time Scheduling Exemplified by <i>Dickeya dadantii</i> Proteomic Analysis during Plant Infection. <i>Analytical Chemistry</i> , 2017, 89, 1421-1426.	3.2	19

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55	Perineural invasion by prostate adenocarcinoma in needle biopsies predicts bone metastasis: Ten year data from the TROG 03.04 RADAR Trial. <i>Histopathology</i> , 2020, 77, 284-292.	1.6	19
56	Localization of Acidic Fibroblast Growth Factor within the Mouse Brain Using Biochemical and Immunocytochemical Techniques. <i>Growth Factors</i> , 1992, 6, 139-157.	0.5	18
57	Dissecting the Roles of Tyrosines 490 and 785 of TrkA Protein in the Induction of Downstream Protein Phosphorylation Using Chimeric Receptors. <i>Journal of Biological Chemistry</i> , 2013, 288, 16606-16618.	1.6	18
58	Microinjection of a p21ras Antibody into PC12 Cells Inhibits Neurite Outgrowth Induced by Nerve Growth Factor and Basic Fibroblast Growth Factor. <i>Growth Factors</i> , 1991, 4, 145-155.	0.5	17
59	FGF signal transduction in PC12 cells: Comparison of the responses induced by endogenous and chimeric receptors. <i>Immunology and Cell Biology</i> , 1998, 76, 406-413.	1.0	17
60	Proteomic Profiling of Human Uterine Fibroids Reveals Upregulation of the Extracellular Matrix Protein Periostin. <i>Endocrinology</i> , 2018, 159, 1106-1118.	1.4	17
61	Schwann Cell Stimulation of Pancreatic Cancer Cells: A Proteomic Analysis. <i>Frontiers in Oncology</i> , 2020, 10, 1601.	1.3	17
62	The Membrane Protein Sortilin Can Be Targeted to Inhibit Pancreatic Cancer Cell Invasion. <i>American Journal of Pathology</i> , 2020, 190, 1931-1942.	1.9	17
63	PC12 cell activation by epidermal growth factor receptor: role of autophosphorylation sites. <i>International Journal of Developmental Neuroscience</i> , 2003, 21, 63-74.	0.7	16
64	Gelatin-albumin hybrid nanoparticles as matrix metalloproteinases-degradable delivery systems for breast cancer therapy. <i>Nanomedicine</i> , 2017, 12, 977-989.	1.7	15
65	Nerve growth factor biosynthesis: Isolation and characterization of a guinea pig prostate kallikrein. <i>Journal of Cellular Biochemistry</i> , 1985, 29, 309-319.	1.2	14
66	Protein PTMs: post-translational modifications or pesky trouble makers?. <i>Journal of Mass Spectrometry</i> , 2010, 45, 1095-1097.	0.7	14
67	Shwachman-Bodian-Diamond syndrome (SBDS) protein is a direct inhibitor of protein phosphatase 2A (PP2A) activity and overexpressed in acute myeloid leukaemia. <i>Leukemia</i> , 2020, 34, 3393-3397.	3.3	14
68	Modulation of growth factor induced fiber outgrowth in rat pheochromocytoma (PC12) cells by a fibronectin receptor antibody. <i>Journal of Cellular Physiology</i> , 1989, 138, 121-128.	2.0	13
69	Proteomic Analysis Reveals that Topoisomerase 2A is Associated with Defective Sperm Head Morphology. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 444-455.	2.5	13
70	Nerve growth factor and its receptor tyrosine kinase TrkA are overexpressed in cervical squamous cell carcinoma. <i>FASEB BioAdvances</i> , 2020, 2, 398-408.	1.3	12
71	Clinicopathological Significance of Nerves in Esophageal Cancer. <i>American Journal of Pathology</i> , 2020, 190, 1921-1930.	1.9	12
72	Neurobiology: What cloned genes can tell us about nerve growth factor. <i>Nature</i> , 1983, 303, 751-751.	13.7	11

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73	Cell-Free DNA Blood Collection Tubes Are Appropriate for Clinical Proteomics: A Demonstration in Colorectal Cancer. <i>Proteomics - Clinical Applications</i> , 2018, 12, e1700121.	0.8	11
74	Cancer Proteomics and the Elusive Diagnostic Biomarkers. <i>Proteomics</i> , 2019, 19, 1800445.	1.3	11
75	Neuroproteins in Cancer: Assumed Bystanders Become Culprits. <i>Proteomics</i> , 2018, 18, e1800049.	1.3	9
76	FAT1 cadherin controls neuritogenesis during NTera2 cell differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2019, 514, 625-631.	1.0	9
77	The Receptor Tyrosine Kinase TrkA Is Increased and Targetable in HER2-Positive Breast Cancer. <i>Biomolecules</i> , 2020, 10, 1329.	1.8	9
78	Tumor innervation is triggered by endoplasmic reticulum stress. <i>Oncogene</i> , 2022, 41, 586-599.	2.6	9
79	Expression of NGF/proNGF and Their Receptors TrkA, p75NTR and Sortilin in Melanoma. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4260.	1.8	9
80	Cold Shock Domain Containing E1 (CSDE1) Protein is Overexpressed and Can be Targeted to Inhibit Invasiveness in Pancreatic Cancer Cells. <i>Proteomics</i> , 2020, 20, e1900331.	1.3	8
81	High nerve density in breast cancer is associated with poor patient outcome. <i>FASEB BioAdvances</i> , 2022, 4, 391-401.	1.3	8
82	Proteome and secretome analysis of pancreatic cancer cells. <i>Proteomics</i> , 2022, 22, e2100320.	1.3	8
83	The Structure of Murine 7S Nerve Growth Factor: Implications For Biosynthesis. <i>International Journal of Neuroscience</i> , 1985, 26, 95-108.	0.8	7
84	Rita Levi-Montalcini (1909–2012). <i>Nature</i> , 2013, 493, 306-306.	13.7	7
85	Proteomic Profile of Human Schwann Cells. <i>Proteomics</i> , 2020, 20, 1900294.	1.3	7
86	The neurotrophic tyrosine kinase receptor 1 (TrkA) is overexpressed in oesophageal squamous cell carcinoma. <i>Pathology</i> , 2021, 53, 470-477.	0.3	7
87	Synthetic chimeras of mouse growth factor-associated glandular kallikreins. I. Kinetic properties. <i>Protein Science</i> , 1993, 2, 1210-1219.	3.1	6
88	Synthetic chimeras of mouse growth factor-associated glandular kallikreins. II. Growth factor binding properties. <i>Protein Science</i> , 1993, 2, 1220-1228.	3.1	6
89	Albumin hybrid nanoparticles loaded with tyrosine kinase A inhibitor GNF-5837 for targeted inhibition of breast cancer cell growth and invasion. <i>International Journal of Pharmaceutics</i> , 2016, 515, 527-534.	2.6	6
90	Regenerative responses of rabbit corneal endothelial cells to stimulation by fibroblast growth factor 1 (FGF1) derivatives, TTHX1001 and TTHX1114. <i>Growth Factors</i> , 2021, 39, 14-27.	0.5	6

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91	Bringing Heparan Sulfate Glycomics Together with Proteomics for the Design of Novel Therapeutics: A Historical Perspective. <i>Proteomics</i> , 2019, 19, 1800466.	1.3	4
92	The Precursor for Nerve Growth Factor (proNGF) in Thyroid Cancer Lymph Node Metastases: Correlation with Primary Tumour and Pathological Variables. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5924.	1.8	4
93	The nervous system: Orchestra conductor in cancer, regeneration, inflammation and immunity. <i>FASEB BioAdvances</i> , 2021, 3, 944-952.	1.3	4
94	On pandemics, pandemonium, and possibilities. <i>FASEB BioAdvances</i> , 2020, 2, 329-330.	1.3	3
95	ELISA-based quantification of neurotrophic growth factors in urine from prostate cancer patients. <i>FASEB BioAdvances</i> , 2021, 3, 888-896.	1.3	3
96	The precursor for nerve growth factor (proNGF) is not a serum or biopsy-rinse biomarker for thyroid cancer diagnosis. <i>BMC Endocrine Disorders</i> , 2019, 19, 128.	0.9	2
97	How I became a biochemist. <i>IUBMB Life</i> , 2006, 58, 495-498.	1.5	1
98	Methionyl aminopeptidase type 2. , 2004, , 917-922.		0
99	Proteogenomics Gets onto the Regulation of mRNA Decoding and Translation into Protein. <i>Proteomics</i> , 2017, 17, 1700315.	1.3	0
100	Cancer Omics: A Special Issue to Highlight Where We Are Heading. <i>Proteomics</i> , 2018, 18, 1800381.	1.3	0
101	FASEB BioAdvances—Introductory editorial. <i>FASEB BioAdvances</i> , 2019, 1, 349-349.	1.3	0
102	Cancer Omics: Adding Understanding to Knowledge. <i>Proteomics</i> , 2019, 19, 1800393.	1.3	0
103	Broadening the Scope. <i>FASEB BioAdvances</i> , 2020, 2, 285-285.	1.3	0
104	Evidence of the Nerve—Cancer Connection in Female Reproductive Cancers. <i>Medical Sciences Forum</i> , 2021, 3, 9.	0.5	0
105	Secretome analysis of human schwann cells derived from malignant peripheral nerve sheath tumor. <i>Proteomics</i> , 2022, 22, e2100063.	1.3	0
106	Broadening the Scope (Part II). <i>FASEB BioAdvances</i> , 2020, 2, 525-525.	1.3	0