

Ola SÅnderberg

List of Publications by Year in descending order

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87
papers

8,775
citations

71102

41
h-index

49909

87
g-index

93
all docs

93
docs citations

93
times ranked

14610
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct observation of individual endogenous protein complexes in situ by proximity ligation. <i>Nature Methods</i> , 2006, 3, 995-1000.	19.0	2,103
2	Characterizing proteins and their interactions in cells and tissues using the in situ proximity ligation assay. <i>Methods</i> , 2008, 45, 227-232.	3.8	466
3	The F-Box Protein Skp2 Participates in c-Myc Proteosomal Degradation and Acts as a Cofactor for c-Myc-Regulated Transcription. <i>Molecular Cell</i> , 2003, 11, 1189-1200.	9.7	441
4	c-Myc associates with ribosomal DNA and activates RNA polymerase I transcription. <i>Nature Cell Biology</i> , 2005, 7, 303-310.	10.3	421
5	In situ detection and genotyping of individual mRNA molecules. <i>Nature Methods</i> , 2010, 7, 395-397.	19.0	359
6	Somatically mutated Ig VH3-21 genes characterize a new subset of chronic lymphocytic leukemia. <i>Blood</i> , 2002, 99, 2262-2264.	1.4	289
7	Proximity ligation assays: a recent addition to the proteomics toolbox. <i>Expert Review of Proteomics</i> , 2010, 7, 401-409.	3.0	285
8	Chronic lymphocytic leukemias utilizing the VH3-21 gene display highly restricted V λ 2-14 gene use and homologous CDR3s: implicating recognition of a common antigen epitope. <i>Blood</i> , 2003, 101, 4952-4957.	1.4	280
9	Subsets with restricted immunoglobulin gene rearrangement features indicate a role for antigen selection in the development of chronic lymphocytic leukemia. <i>Blood</i> , 2004, 104, 2879-2885.	1.4	241
10	Phosphorylation of inositol 1,4,5-trisphosphate receptors by protein kinase B/Akt inhibits Ca ²⁺ release and apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2427-2432.	7.1	238
11	A new perspective: molecular motifs on oxidized LDL, apoptotic cells, and bacteria are targets for chronic lymphocytic leukemia antibodies. <i>Blood</i> , 2008, 111, 3838-3848.	1.4	236
12	In Situ Detection of Phosphorylated Platelet-derived Growth Factor Receptor $\hat{1}^2$ Using a Generalized Proximity Ligation Method. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1500-1509.	3.8	197
13	Novel and Highly Recurrent Chromosomal Alterations in Sezary Syndrome. <i>Cancer Research</i> , 2008, 68, 2689-2698.	0.9	176
14	Insufficient antibody validation challenges oestrogen receptor beta research. <i>Nature Communications</i> , 2017, 8, 15840.	12.8	170
15	VEGF receptor 2/3 heterodimers detected in situ by proximity ligation on angiogenic sprouts. <i>EMBO Journal</i> , 2010, 29, 1377-1388.	7.8	149
16	Transcriptional profiling of human glioblastoma vessels indicates a key role of VEGF \hat{A} and TGF $\hat{1}^2$ in vascular abnormalization. <i>Journal of Pathology</i> , 2012, 228, 378-390.	4.5	128
17	Crosstalk between Hippo and TGF $\hat{1}^2$: Subcellular Localization of YAP/TAZ/Smad Complexes. <i>Journal of Molecular Biology</i> , 2015, 427, 3407-3415.	4.2	119
18	WRAP53 Is Essential for Cajal Body Formation and for Targeting the Survival of Motor Neuron Complex to Cajal Bodies. <i>PLoS Biology</i> , 2010, 8, e1000521.	5.6	116

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19	Proximity ligation assays for sensitive and specific protein analyses. <i>Analytical Biochemistry</i> , 2005, 345, 2-9.	2.4	106
20	Mutated VH genes and preferential VH3-21 use define new subsets of mantle cell lymphoma. <i>Blood</i> , 2003, 101, 4047-4054.	1.4	99
21	In situ detection of individual mRNA molecules and protein complexes or post-translational modifications using padlock probes combined with the in situ proximity ligation assay. <i>Nature Protocols</i> , 2013, 8, 355-372.	12.0	95
22	MUC2 mucin is a major carrier of the cancer-associated sialyl-Tn antigen in intestinal metaplasia and gastric carcinomas. <i>Glycobiology</i> , 2010, 20, 199-206.	2.5	93
23	Polymorphism in the P2X7 receptor gene and survival in chronic lymphocytic leukaemia. <i>Lancet, The</i> , 2002, 360, 1935-1939.	13.7	88
24	Proximity-dependent initiation of hybridization chain reaction. <i>Nature Communications</i> , 2015, 6, 7294.	12.8	88
25	Functional loss of IÎ¸BÎ¸ leads to NF-Î¸B deregulation in aggressive chronic lymphocytic leukemia. <i>Journal of Experimental Medicine</i> , 2015, 212, 833-843.	8.5	85
26	Eâcadherin can limit the transforming properties of activating Î¸âcatenin mutations. <i>EMBO Journal</i> , 2015, 34, 2321-2333.	7.8	83
27	Analysis of Protein Interactions in situ by Proximity Ligation Assays. <i>Current Topics in Microbiology and Immunology</i> , 2013, 377, 111-126.	1.1	75
28	The importance of E-cadherin binding partners to evaluate the pathogenicity of E-cadherin missense mutations associated to HDGC. <i>European Journal of Human Genetics</i> , 2013, 21, 301-309.	2.8	72
29	Pâcadherin functional role is dependent on Eâcadherin cellular context: a proof of concept using the breast cancer model. <i>Journal of Pathology</i> , 2013, 229, 705-718.	4.5	68
30	Identification of new cancer biomarkers based on aberrant mucin glycoforms by <i>in situ</i> proximity ligation. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 1474-1484.	3.6	67
31	Flow cytometric <i>in situ</i> proximity ligation analyses of protein interactions and postâtranslational modification of the epidermal growth factor receptor family. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2009, 75A, 833-839.	1.5	64
32	High Content Screening for Inhibitors of Protein Interactions and Post-translational Modifications in Primary Cells by Proximity Ligation. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 178-183.	3.8	63
33	Functional Overlap Between Chondroitin and Heparan Sulfate Proteoglycans During VEGF-Induced Sprouting Angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1255-1263.	2.4	62
34	Functional interaction of DYX1C1 with estrogen receptors suggests involvement of hormonal pathways in dyslexia. <i>Human Molecular Genetics</i> , 2009, 18, 2802-2812.	2.9	56
35	Protein expression and cellular localization in two prognostic subgroups of diffuse large B-cell lymphoma: Higher expression of ZAP70 and PKC-Î¸ II in the non-germinal center group and poor survival in patients deficient in nuclear PTEN. <i>Leukemia and Lymphoma</i> , 2007, 48, 2221-2232.	1.3	52
36	Proximity Ligation: A Specific and Versatile Tool for the Proteomic Era. , 2007, 28, 85-93.		52

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37	Detecting individual extracellular vesicles using a multicolor in situ proximity ligation assay with flow cytometric readout. <i>Scientific Reports</i> , 2016, 6, 34358.	3.3	52
38	In Situ Proximity Ligation Assay for Microscopy and Flow Cytometry. <i>Current Protocols in Cytometry</i> , 2011, 56, Unit 9.36.	3.7	51
39	Detection of glyco-mucin profiles improves specificity of MUC16 and MUC1 biomarkers in ovarian serous tumours. <i>Molecular Oncology</i> , 2015, 9, 503-512.	4.6	50
40	Parallel Visualization of Multiple Protein Complexes in Individual Cells in Tumor Tissue. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 1563-1571.	3.8	49
41	Increasing the dynamic range of in situ PLA. <i>Nature Methods</i> , 2011, 8, 892-893.	19.0	47
42	Prognostic but not predictive role of platelet-derived growth factor receptors in patients with recurrent glioblastoma. <i>International Journal of Cancer</i> , 2011, 128, 1981-1988.	5.1	44
43	Platelet-Derived Growth Factor Receptor Expression and Activation in Choroid Plexus Tumors. <i>American Journal of Pathology</i> , 2009, 175, 1631-1637.	3.8	40
44	VH3-21 Gene Usage in Chronic Lymphocytic Leukemia – Characterization of a New Subgroup with Distinct Molecular Features and Poor Survival. <i>Leukemia and Lymphoma</i> , 2004, 45, 221-228.	1.3	36
45	Molecular tools for a molecular medicine: analyzing genes, transcripts and proteins using padlock and proximity probes. <i>Journal of Molecular Recognition</i> , 2004, 17, 194-197.	2.1	35
46	Elevated levels of soluble CD44 are associated with advanced disease and in vitro proliferation of neoplastic lymphocytes in B-cell chronic lymphocytic leukaemia. <i>Leukemia Research</i> , 2004, 28, 1043-1051.	0.8	33
47	Protein tag-mediated conjugation of oligonucleotides to recombinant affinity binders for proximity ligation. <i>New Biotechnology</i> , 2013, 30, 144-152.	4.4	33
48	Analysis of Genes, Transcripts, and Proteins via DNA Ligation. <i>Annual Review of Analytical Chemistry</i> , 2009, 2, 215-239.	5.4	31
49	Visualising individual sequence-specific protein-DNA interactions in situ. <i>New Biotechnology</i> , 2012, 29, 589-598.	4.4	30
50	Improved efficiency of in situ protein analysis by proximity ligation using UnFold probes. <i>Scientific Reports</i> , 2018, 8, 5400.	3.3	30
51	Thermoplastic Microfluidic Platform for Single-Molecule Detection, Cell Culture, and Actuation. <i>Analytical Chemistry</i> , 2005, 77, 7122-7130.	6.5	27
52	Compaction of rolling circle amplification products increases signal integrity and signal-to-noise ratio. <i>Scientific Reports</i> , 2015, 5, 12317.	3.3	27
53	Intercellular Variation in Signaling through the TGF- β 2 Pathway and Its Relation to Cell Density and Cell Cycle Phase. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.013482-1-M111.013482-9.	3.8	24
54	ADP-Ribosylation Factor 6 Mediates E-Cadherin Recovery by Chemical Chaperones. <i>PLoS ONE</i> , 2011, 6, e23188.	2.5	21

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55	Western Blotting via Proximity Ligation for High Performance Protein Analysis. <i>Molecular and Cellular Proteomics</i> , 2011, 10, O111.011031.	3.8	21
56	<i>In Situ</i> Rolling Circle Amplification Förster Resonance Energy Transfer (RCA-FRET) for Washing-Free Real-Time Single-Protein Imaging. <i>Analytical Chemistry</i> , 2021, 93, 1842-1850.	6.5	20
57	Molecular tools for companion diagnostics. <i>New Biotechnology</i> , 2012, 29, 634-640.	4.4	19
58	Fine-Tuning of Smad Protein Function by Poly(ADP-Ribose) Polymerases and Poly(ADP-Ribose) Glycohydrolase during Transforming Growth Factor β^2 Signaling. <i>PLoS ONE</i> , 2014, 9, e103651.	2.5	19
59	Next-Generation Pathology – Surveillance of Tumor Microecology. <i>Journal of Molecular Biology</i> , 2015, 427, 2013-2022.	4.2	17
60	The protein kinase LKB1 negatively regulates bone morphogenetic protein receptor signaling. <i>Oncotarget</i> , 2016, 7, 1120-1143.	1.8	17
61	The effects on growth and survival of IL6 can be dissociated in the U266/1970/U266/1984 and HL407E/HL407L human multiple myeloma cell lines. <i>British Journal of Haematology</i> , 1997, 98, 126-133.	2.5	16
62	Padlock and Proximity Probes for In Situ and Array-Based Analyses: Tools for the Post-Genomic Era. <i>Comparative and Functional Genomics</i> , 2003, 4, 525-530.	2.0	16
63	Ligation-based molecular tools for lab-on-a-chip devices. <i>New Biotechnology</i> , 2008, 25, 42-48.	4.4	16
64	Let There Be Light!. <i>Proteomes</i> , 2016, 4, 36.	3.5	14
65	Differentiation-associated redox-regulation in human B cell lines from stem cell/pro-B to plasma cell. <i>Immunology Letters</i> , 2004, 94, 83-89.	2.5	13
66	Flow Cytometric Measurement of Blood Cells with BCR-ABL1 Fusion Protein in Chronic Myeloid Leukemia. <i>Scientific Reports</i> , 2017, 7, 623.	3.3	13
67	Simultaneous Visualization of Both Signaling Cascade Activity and End-Point Gene Expression in Single Cells. <i>PLoS ONE</i> , 2011, 6, e20148.	2.5	13
68	Single Chain Antibodies as Tools to Study transforming growth factor- β^2 -Regulated SMAD Proteins in Proximity Ligation-Based Pharmacological Screens. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1848-1856.	3.8	10
69	Dynamin inhibitors impair platelet-derived growth factor β^2 -receptor dimerization and signaling. <i>Experimental Cell Research</i> , 2019, 380, 69-79.	2.6	10
70	Association of the Protein-Tyrosine Phosphatase DEP-1 with Its Substrate FLT3 Visualized by In Situ Proximity Ligation Assay. <i>PLoS ONE</i> , 2013, 8, e62871.	2.5	10
71	Prospects for In Situ Analyses of Individual and Complexes of DNA, RNA, and Protein Molecules with Padlock and Proximity Probes. <i>Methods in Cell Biology</i> , 2004, 75, 787-797.	1.1	9
72	<i>In situ</i> quantification of individual mRNA transcripts in melanocytes discloses gene regulation of relevance to speciation. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	7

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73	Uâ€2973, a novel Bâ€cell line established from a patient with a mature Bâ€cell leukemia displaying concurrent t(14;18) and <i>MYC</i> translocation to a nonâ€<i>IG</i> gene partner. European Journal of Haematology, 2008, 81, 218-225.	2.2	6
74	Optimization of proximity-dependent initiation of hybridization chain reaction for improved performance. Molecular Systems Design and Engineering, 2019, 4, 1058-1065.	3.4	6
75	Differential impact of lipid raft depletion on platelet-derived growth factor (PDGF)-induced ERK1/2 MAP-kinase, SRC and AKT signaling. Cellular Signalling, 2022, 96, 110356.	3.6	6
76	Growth and survival of B-chronic lymphocytic leukaemia cells. Medical Oncology, 1998, 15, 73-78.	2.5	5
77	Establishment of a cell line from a chemotherapy resistant diffuse large B-cell lymphoma. Leukemia and Lymphoma, 2007, 48, 1038-1041.	1.3	5
78	Antagonists of IGF:Vitronectin Interactions Inhibit IGF-lâ€Induced Breast Cancer Cell Functions. Molecular Cancer Therapeutics, 2016, 15, 1602-1613.	4.1	5
79	Automated classification of multicolored rolling circle products in dualâ€channel wideâ€field fluorescence microscopy. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 518-527.	1.5	4
80	Methods for analysis of the cancer microenvironment and their potential for disease prediction, monitoring and personalized treatments. EPMA Journal, 2012, 3, 7.	6.1	4
81	Detection of Extracellular Vesicles Using Proximity Ligation Assay with Flow Cytometry Readoutâ€ExoPLA. Current Protocols in Cytometry, 2017, 81, 4.8.1-4.8.10.	3.7	4
82	In Situ Proximity Ligation Assay (In Situ PLA) to Assess PTP-Protein Interactions. Methods in Molecular Biology, 2016, 1447, 217-242.	0.9	3
83	Flash-comet: Significantly improved speed and sensitivity of the comet assay through the introduction of lithium-based solutions and a more gentle lysis. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2020, 858-860, 503240.	1.7	3
84	Designing and Applying Proximityâ€Dependent Hybridization Chain Reaction. Current Protocols in Protein Science, 2016, 85, 19.28.1-19.28.13.	2.8	2
85	Closing in on life: proximity dependent methods for life sciences. Oncotarget, 2015, 6, 17867-17868.	1.8	2
86	Protein Diagnostics by Proximity Ligation. , 2010, , 299-306.		1
87	Abstract 3614: Antibody validation revises estrogen receptor beta research. , 2017, , .		0