

Sylvain Baulande

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

3,700
citations

147801

31
h-index

149698

56
g-index

67
all docs

67
docs citations

67
times ranked

6940
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Cell Analysis Reveals Fibroblast Clusters Linked to Immunotherapy Resistance in Cancer. <i>Cancer Discovery</i> , 2020, 10, 1330-1351.	9.4	424
2	Heterogeneity of neuroblastoma cell identity defined by transcriptional circuitries. <i>Nature Genetics</i> , 2017, 49, 1408-1413.	21.4	331
3	Aryl Hydrocarbon Receptor Controls Monocyte Differentiation into Dendritic Cells versus Macrophages. <i>Immunity</i> , 2017, 47, 582-596.e6.	14.3	282
4	Adiponutrin, a Transmembrane Protein Corresponding to a Novel Dietary- and Obesity-linked mRNA Specifically Expressed in the Adipose Lineage. <i>Journal of Biological Chemistry</i> , 2001, 276, 33336-33344.	3.4	206
5	Tissue-resident FOLR2+ macrophages associate with CD8+ T cell infiltration in human breast cancer. <i>Cell</i> , 2022, 185, 1189-1207.e25.	28.9	166
6	Human in vivo-generated monocyte-derived dendritic cells and macrophages cross-present antigens through a vacuolar pathway. <i>Nature Communications</i> , 2018, 9, 2570.	12.8	157
7	FLASH Irradiation Spares Lung Progenitor Cells and Limits the Incidence of Radio-induced Senescence. <i>Clinical Cancer Research</i> , 2020, 26, 1497-1506.	7.0	148
8	CD44 regulates epigenetic plasticity by mediating iron endocytosis. <i>Nature Chemistry</i> , 2020, 12, 929-938.	13.6	132
9	Whole-Exome Sequencing of Cell-Free DNA Reveals Temporo-spatial Heterogeneity and Identifies Treatment-Resistant Clones in Neuroblastoma. <i>Clinical Cancer Research</i> , 2018, 24, 939-949.	7.0	127
10	Clonally Expanded T Cells Reveal Immunogenicity of Rhabdoid Tumors. <i>Cancer Cell</i> , 2019, 36, 597-612.e8.	16.8	100
11	Transcriptional Programs Define Intratumoral Heterogeneity of Ewing Sarcoma at Single-Cell Resolution. <i>Cell Reports</i> , 2020, 30, 1767-1779.e6.	6.4	96
12	Whole mitochondrial genome screening in maternally inherited non-syndromic hearing impairment using a microarray resequencing mitochondrial DNA chip. <i>European Journal of Human Genetics</i> , 2007, 15, 1145-1155.	2.8	85
13	Contribution of resident and circulating precursors to tumor-infiltrating CD8 ⁺ T cell populations in lung cancer. <i>Science Immunology</i> , 2021, 6, .	11.9	82
14	PLK1 inhibition exhibits strong anti-tumoral activity in CCND1-driven breast cancer metastases with acquired palbociclib resistance. <i>Nature Communications</i> , 2020, 11, 4053.	12.8	77
15	Analysis of the Molecular Dialogue Between Gray Mold (<i>Botrytis cinerea</i>) and Grapevine (<i>Vitis vinifera</i>) Reveals a Clear Shift in Defense Mechanisms During Berry Ripening. <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 1167-1180.	2.6	73
16	Combined transcript, proteome, and metabolite analysis of transgenic maize seeds engineered for enhanced carotenoid synthesis reveals pleiotropic effects in core metabolism. <i>Journal of Experimental Botany</i> , 2015, 66, 3141-3150.	4.8	65
17	Human lymphoid organ cDC2 and macrophages play complementary roles in T follicular helper responses. <i>Journal of Experimental Medicine</i> , 2019, 216, 1561-1581.	8.5	63
18	Differential Endothelial Transcriptomics Identifies Semaphorin 3G as a Vascular Class 3 Semaphorin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 151-159.	2.4	60

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19	The bipartite TAD organization of the X-inactivation center ensures opposing developmental regulation of Tsix and Xist. <i>Nature Genetics</i> , 2019, 51, 1024-1034.	21.4	60
20	Cacnb4 directly couples electrical activity to gene expression, a process defective in juvenile epilepsy. <i>EMBO Journal</i> , 2012, 31, 3730-3744.	7.8	57
21	An element within the 5' untranslated region of human Hsp70 mRNA which acts as a general enhancer of mRNA translation. <i>FEBS Journal</i> , 2001, 268, 1908-1917.	0.2	55
22	A Conserved Noncoding Locus Regulates Random Monoallelic Xist Expression across a Topological Boundary. <i>Molecular Cell</i> , 2020, 77, 352-367.e8.	9.7	48
23	STAG2 mutations alter CTCF-anchored loop extrusion, reduce cis-regulatory interactions and EWSR1-FLI1 activity in Ewing sarcoma. <i>Cancer Cell</i> , 2021, 39, 810-826.e9.	16.8	48
24	Evolutionary Routes in Metastatic Uveal Melanomas Depend on MBD4 Alterations. <i>Clinical Cancer Research</i> , 2019, 25, 5513-5524.	7.0	46
25	Activated ALK signals through the ERK-ETV5-RET pathway to drive neuroblastoma oncogenesis. <i>Oncogene</i> , 2018, 37, 1417-1429.	5.9	45
26	A high-risk retinoblastoma subtype with stemness features, dedifferentiated cone states and neuronal/ganglion cell gene expression. <i>Nature Communications</i> , 2021, 12, 5578.	12.8	45
27	Human papilloma virus (HPV) integration signature in Cervical Cancer: identification of MACROD2 gene as HPV hot spot integration site. <i>British Journal of Cancer</i> , 2021, 124, 777-785.	6.4	44
28	H3K27me3 conditions chemotolerance in triple-negative breast cancer. <i>Nature Genetics</i> , 2022, 54, 459-468.	21.4	44
29	Follicular lymphoma triggers phenotypic and functional remodeling of the human lymphoid stromal cell landscape. <i>Immunity</i> , 2021, 54, 1788-1806.e7.	14.3	43
30	Circulating tumor DNA analysis enables molecular characterization of pediatric renal tumors at diagnosis. <i>International Journal of Cancer</i> , 2019, 144, 68-79.	5.1	37
31	A large collection of integrated genomically characterized patient-derived xenografts highlighting the heterogeneity of triple-negative breast cancer. <i>International Journal of Cancer</i> , 2019, 145, 1902-1912.	5.1	37
32	Frequency and Prognostic Impact of ALK Amplifications and Mutations in the European Neuroblastoma Study Group (SIOPEN) High-Risk Neuroblastoma Trial (HR-NBL1). <i>Journal of Clinical Oncology</i> , 2021, 39, 3377-3390.	1.6	30
33	Sulfiredoxin Protects Mice from Lipopolysaccharide-Induced Endotoxic Shock. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 2071-2080.	5.4	29
34	Trajectory and uniqueness of mutational signatures in yeast mutators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24947-24956.	7.1	29
35	Gene Expression Signature for Spontaneous Cancer Regression in Melanoma Pigs. <i>Neoplasia</i> , 2008, 10, 714-IN5.	5.3	27
36	Detection of TRIM32 deletions in LGMD patients analyzed by a combined strategy of CGH array and massively parallel sequencing. <i>European Journal of Human Genetics</i> , 2015, 23, 929-934.	2.8	21

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37	Deciphering the Mammary Stem Cell Niche: A Role for Laminin-Binding Integrins. <i>Stem Cell Reports</i> , 2019, 12, 831-844.	4.8	20
38	Mechanistic Signatures of Human Papillomavirus Insertions in Anal Squamous Cell Carcinomas. <i>Cancers</i> , 2019, 11, 1846.	3.7	19
39	A novel 3D culture model recapitulates primary FL B-cell features and promotes their survival. <i>Blood Advances</i> , 2021, 5, 5372-5386.	5.2	18
40	TNFSF10/TRAIL regulates human T4 effector memory lymphocyte radiosensitivity and predicts radiation-induced acute and subacute dermatitis. <i>Oncotarget</i> , 2016, 7, 21416-21427.	1.8	16
41	Study of chromatin remodeling genes implicates SMARCA4 as a putative player in oncogenesis in neuroblastoma. <i>International Journal of Cancer</i> , 2019, 145, 2781-2791.	5.1	16
42	Identification of Tissue of Origin and Guided Therapeutic Applications in Cancers of Unknown Primary Using Deep Learning and RNA Sequencing (TransCUIPTomics). <i>Journal of Molecular Diagnostics</i> , 2021, 23, 1380-1392.	2.8	15
43	Oncogenic chimeric transcription factors drive tumor-specific transcription, processing, and translation of silent genomic regions. <i>Molecular Cell</i> , 2022, 82, 2458-2471.e9.	9.7	14
44	Biological effect of human serum collected before and after oral intake of <i>Pygeum africanum</i> on various benign prostate cell cultures. <i>Asian Journal of Andrology</i> , 2012, 14, 499-504.	1.6	13
45	PD-L1 and ICOSL discriminate human Secretary and Helper dendritic cells in cancer, allergy and autoimmunity. <i>Nature Communications</i> , 2022, 13, 1983.	12.8	12
46	ERG transcription factors have a splicing regulatory function involving RBFOX2 that is altered in the EWS-FLI1 oncogenic fusion. <i>Nucleic Acids Research</i> , 2021, 49, 5038-5056.	14.5	11
47	CD8+T cell responsiveness to anti-PD-1 is epigenetically regulated by Suv39h1 in melanomas. <i>Nature Communications</i> , 2022, 13, .	12.8	11
48	Tetratricopeptide repeat domain 7A is a nuclear factor that modulates transcription and chromatin structure. <i>Cell Discovery</i> , 2018, 4, 61.	6.7	10
49	Definition of Biologically Distinct Groups of Conjunctival Melanomas According to Etiological Factors and Implications for Precision Medicine. <i>Cancers</i> , 2021, 13, 3836.	3.7	10
50	Detection and quantification of extracellular microRNAs in medulloblastoma. <i>Journal of Cancer Metastasis and Treatment</i> , 2015, 1, 67.	0.8	10
51	Kronos scRT: a uniform framework for single-cell replication timing analysis. <i>Nature Communications</i> , 2022, 13, 2329.	12.8	9
52	Molecular diagnosis of retinoblastoma by circulating tumor DNA analysis. <i>European Journal of Cancer</i> , 2021, 154, 277-287.	2.8	7
53	Human papilloma virus integration sites and genomic signatures in head and neck squamous cell carcinoma. <i>Molecular Oncology</i> , 2022, 16, 3001-3016.	4.6	7
54	Decentralization of Next-Generation RNA Sequencing-Based MammaPrint® and Blueprint® Kit at University Hospitals Leuven and Curie Institute Paris. <i>Translational Oncology</i> , 2019, 12, 1557-1565.	3.7	6

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55	ALK mutation dynamics and clonal evolution in a neuroblastoma model exhibiting two ALK mutations. <i>Oncotarget</i> , 2019, 10, 4937-4950.	1.8	5
56	Recombination in a sterile polyploid hybrid yeast upon meiotic Return-To-Growth. <i>Microbiological Research</i> , 2021, 250, 126789.	5.3	5
57	Lack of evidence for CDK12 as an ovarian cancer predisposing gene. <i>Familial Cancer</i> , 2020, 19, 203-209.	1.9	1
58	Clinical and Molecular Update on the Fourth Reported Family with Hamamy Syndrome. <i>Molecular Syndromology</i> , 2021, 12, 342-350.	0.8	1
59	BET and CDK Inhibition Reveal Differences in the Proliferation Control of Sympathetic Ganglion Neuroblasts and Adrenal Chromaffin Cells. <i>Cancers</i> , 2022, 14, 2755.	3.7	1