Poul H Sorensen

List of Publications by Year
in descending order

89 papers	6,273 citations	87888 38 h-index	76900 74 g-index
97 all docs	97 docs citations	97 times ranked	10406 citing authors

#	Article	IF	Citations
1	Single-pot, solid-phase-enhanced sample preparation for proteomics experiments. Nature Protocols, 2019, 14, 68-85.	12.0	802
2	Ewing sarcoma. Nature Reviews Disease Primers, 2018, 4, 5.	30.5	500
3	The eEF2 Kinase Confers Resistance to Nutrient Deprivation by Blocking Translation Elongation. Cell, 2013, 153, 1064-1079.	28.9	348
4	Translational Activation of HIF1Î± by YB-1 Promotes Sarcoma Metastasis. Cancer Cell, 2015, 27, 682-697.	16.8	226
5	YB-1 regulates stress granule formation and tumor progression by translationally activating G3BP1. Journal of Cell Biology, 2015, 208, 913-929.	5.2	224
6	Cystine/glutamate antiporter xCT (SLC7A11) facilitates oncogenic RAS transformation by preserving intracellular redox balance. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9433-9442.	7.1	202
7	Extending the Compatibility of the SP3 Paramagnetic Bead Processing Approach for Proteomics. Journal of Proteome Research, 2018, 17, 1730-1740.	3.7	186
8	Locoregionally administered B7-H3-targeted CAR T cells for treatment of atypical teratoid/rhabdoid tumors. Nature Medicine, 2020, 26, 712-719.	30.7	172
9	Targeting Human Cancer by a Glycosaminoglycan Binding Malaria Protein. Cancer Cell, 2015, 28, 500-514.	16.8	169
10	Novel genomic imbalances in embryonal rhabdomyosarcoma revealed by comparative genomic hybridization and fluorescence in situ hybridization: An Intergroup Rhabdomyosarcoma Study. Genes Chromosomes and Cancer, 2000, 27, 337-344.	2.8	141
11	Locoregional delivery of CAR T cells to the cerebrospinal fluid for treatment of metastatic medulloblastoma and ependymoma. Nature Medicine, 2020, 26, 720-731.	30.7	141
12	Assessment of programmed deathâ€ligand 1 expression and tumorâ€associated immune cells in pediatric cancer tissues. Cancer, 2017, 123, 3807-3815.	4.1	135
13	ETV6-NTRK3 Fusion Oncogene Initiates Breast Cancer from Committed Mammary Progenitors via Activation of AP1 Complex. Cancer Cell, 2007, 12, 542-558.	16.8	134
14	The E3 ligase HACE1 is a critical chromosome 6q21 tumor suppressor involved in multiple cancers. Nature Medicine, 2007, 13, 1060-1069.	30.7	130
15	TEM8/ANTXR1-Specific CAR T Cells as a Targeted Therapy for Triple-Negative Breast Cancer. Cancer Research, 2018, 78, 489-500.	0.9	122
16	The VAR2CSA malaria protein efficiently retrieves circulating tumor cells in an EpCAM-independent manner. Nature Communications, 2018, 9, 3279.	12.8	109
17	Anti-GD2 synergizes with CD47 blockade to mediate tumor eradication. Nature Medicine, 2022, 28, 333-344.	30.7	105
18	Stress-mediated translational control in cancer cells. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2015, 1849, 845-860.	1.9	104

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19	Clusterin facilitates stress-induced lipidation of LC3 and autophagosome biogenesis to enhance cancer cell survival. Nature Communications, 2014, 5, 5775.	12.8	101
20	Hace1 controls ROS generation of vertebrate Rac1-dependent NADPH oxidase complexes. Nature Communications, 2013, 4, 2180.	12.8	94
21	Twenty Years on: What Do We Really Know about Ewing Sarcoma and What Is the Path Forward?. Critical Reviews in Oncogenesis, 2015, 20, 155-171.	0.4	88
22	Provocative questions in osteosarcoma basic and translational biology: A report from the Children's Oncology Group. Cancer, 2019, 125, 3514-3525.	4.1	86
23	HACE1 reduces oxidative stress and mutant Huntingtin toxicity by promoting the NRF2 response. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3032-3037.	7.1	85
24	Attitudes of parents toward the return of targeted and incidental genomic research findings in children. Genetics in Medicine, 2014, 16, 633-640.	2.4	82
25	Global analysis of shared TÂcell specificities in human non-small cell lung cancer enables HLA inference and antigen discovery. Immunity, 2021, 54, 586-602.e8.	14.3	80
26	Metabolic Regulation of the Epigenome Drives Lethal Infantile Ependymoma. Cell, 2020, 181, 1329-1345.e24.	28.9	79
27	Class I <scp>HDAC</scp> inhibitors enhance <scp>YB</scp> â€1 acetylation and oxidative stress to block sarcoma metastasis. EMBO Reports, 2019, 20, e48375.	4.5	78
28	<scp>ERBB</scp>4 confers metastatic capacity in Ewing sarcoma. EMBO Molecular Medicine, 2013, 5, 1087-1102.	6.9	71
29	Translational control of aberrant stress responses as a hallmark of cancer. Journal of Pathology, 2018, 244, 650-666.	4.5	65
30	GPC2-CAR TÂcells tuned for low antigen density mediate potent activity against neuroblastoma without toxicity. Cancer Cell, 2022, 40, 53-69.e9.	16.8	60
31	Oncofetal Chondroitin Sulfate Glycosaminoglycans Are Key Players in Integrin Signaling and Tumor Cell Motility. Molecular Cancer Research, 2016, 14, 1288-1299.	3.4	57
32	Acquisition of secondary structural chromosomal changes in pediatric ewing sarcoma is a probable prognostic factor for tumor response and clinical outcome. Cancer, 2001, 91, 2156-2164.	4.1	55
33	The second European interdisciplinary Ewing sarcoma research summit - A joint effort to deconstructing the multiple layers of a complex disease. Oncotarget, 2016, 7, 8613-8624.	1.8	55
34	The RNA-binding protein YBX1 regulates epidermal progenitors at a posttranscriptional level. Nature Communications, 2018, 9, 1734.	12.8	55
35	Proteomic Screens for Suppressors of Anoikis Identify IL1RAP as a Promising Surface Target in Ewing Sarcoma. Cancer Discovery, 2021, 11, 2884-2903.	9.4	51
36	Stress-induced tunneling nanotubes support treatment adaptation in prostate cancer. Scientific Reports, 2019, 9, 7826.	3.3	50

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37	eEF2K inhibition blocks Aî²42 neurotoxicity by promoting an NRF2 antioxidant response. Acta Neuropathologica, 2017, 133, 101-119.	7.7	48
38	Activity of translation regulator eukaryotic elongation factor-2 kinase is increased in Parkinson disease brain and its inhibition reduces alpha synuclein toxicity. Acta Neuropathologica Communications, 2018, 6, 54.	5.2	48
39	The Tumor Suppressor Hace1 Is a Critical Regulator of TNFR1-Mediated Cell Fate. Cell Reports, 2016, 15, 1481-1492.	6.4	46
40	G3BP1-linked mRNA partitioning supports selective protein synthesis in response to oxidative stress. Nucleic Acids Research, 2020, 48, 6855-6873.	14.5	41
41	Transsulfuration, minor player or crucial for cysteine homeostasis in cancer. Trends in Cell Biology, 2022, 32, 800-814.	7.9	41
42	Current state of pediatric sarcoma biology and opportunities for future discovery: A report from the sarcoma translational research workshop. Cancer Genetics, 2016, 209, 182-194.	0.4	38
43	NOT-Gated CD93 CAR T Cells Effectively Target AML with Minimized Endothelial Cross-Reactivity. Blood Cancer Discovery, 2021, 2, 648-665.	5.0	37
44	A homing system targets therapeutic T cells to brain cancer. Nature, 2018, 561, 331-337.	27.8	36
45	Integrative genomic analysis of matched primary and metastatic pediatric osteosarcoma. Journal of Pathology, 2019, 249, 319-331.	4.5	36
46	Expression and stability of hypoxia inducible factor 1Î± in osteosarcoma. Pediatric Blood and Cancer, 2012, 59, 1215-1222.	1.5	34
47	Glucose-dependent anaplerosis in cancer cells is required for cellular redox balance in the absence of glutamine. Scientific Reports, 2016, 6, 32606.	3.3	33
48	Methods for Identifying Patients with Tropomyosin Receptor Kinase (TRK) Fusion Cancer. Pathology and Oncology Research, 2020, 26, 1385-1399.	1.9	32
49	HACE1-dependent protein degradation provides cardiac protection in response to haemodynamic stress. Nature Communications, 2014, 5, 3430.	12.8	31
50	miR-200b induces cell cycle arrest and represses cell growth in esophageal squamous cell carcinoma. Carcinogenesis, 2016, 37, 858-869.	2.8	29
51	Pharmacological systems analysis defines EIF4A3 functions in cell-cycle and RNA stress granule formation. Communications Biology, 2019, 2, 165.	4.4	29
52	ChildSeq-RNA. Journal of Molecular Diagnostics, 2014, 16, 361-370.	2.8	26
53	A Standardized and Reproducible Proteomics Protocol for Bottom-Up Quantitative Analysis of Protein Samples Using SP3 and Mass Spectrometry. Methods in Molecular Biology, 2019, 1959, 65-87.	0.9	25
54	MYCN amplified neuroblastoma requires the mRNA translation regulator eEF2 kinase to adapt to nutrient deprivation. Cell Death and Differentiation, 2017, 24, 1564-1576.	11.2	24

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55	An Aqueous Extract of Marine Microalgae Exhibits Antimetastatic Activity through Preferential Killing of Suspended Cancer Cells and Anticolony Forming Activity. Evidence-based Complementary and Alternative Medicine, 2016, 2016, 1-8.	1.2	23
56	Translational control in brain pathologies: biological significance and therapeutic opportunities. Acta Neuropathologica, 2019, 137, 535-555.	7.7	23
57	The endochondral bone protein <scp>CHM</scp>1 sustains an undifferentiated, invasive phenotype, promoting lung metastasis in Ewing sarcoma. Molecular Oncology, 2017, 11, 1288-1301.	4.6	22
58	HACE1 is a potential tumor suppressor in osteosarcoma. Cell Death and Disease, 2019, 10, 21.	6.3	22
59	Epigenetic reprogramming and re-differentiation of a Ewing sarcoma cell line. Frontiers in Cell and Developmental Biology, 2015, 3, 15.	3.7	20
60	RawTools: Rapid and Dynamic Interrogation of Orbitrap Data Files for Mass Spectrometer System Management. Journal of Proteome Research, 2019, 18, 700-708.	3.7	20
61	HACE1 Prevents Lung Carcinogenesis via Inhibition of RAC-Family GTPases. Cancer Research, 2020, 80, 3009-3022.	0.9	19
62	Initiation of human mammary cell tumorigenesis by mutant KRAS requires YAP inactivation. Oncogene, 2020, 39, 1957-1968.	5.9	18
63	Regulation of AR mRNA translation in response to acute AR pathway inhibition. Nucleic Acids Research, 2022, 50, 1069-1091.	14.5	18
64	Î±-Synuclein pathology in Parkinson disease activates homeostatic NRF2 anti-oxidant response. Acta Neuropathologica Communications, 2021, 9, 105.	5.2	17
65	Mutation of the Salt Bridge-forming Residues in the ETV6-SAM Domain Interface Blocks ETV6-NTRK3-induced Cellular Transformation. Journal of Biological Chemistry, 2013, 288, 27940-27950.	3.4	16
66	Ewing Sarcoma-Derived Extracellular Vesicles Impair Dendritic Cell Maturation and Function. Cells, 2021, 10, 2081.	4.1	16
67	RNA modifications in brain tumorigenesis. Acta Neuropathologica Communications, 2020, 8, 64.	5.2	15
68	Characterization of a small molecule inhibitor of disulfide reductases that induces oxidative stress and lethality in lung cancer cells. Cell Reports, 2022, 38, 110343.	6.4	14
69	Insulin-like growth factor 1 receptor stabilizes the ETV6â€“NTRK3 chimeric oncoprotein by blocking its KPC1/Rnf123-mediated proteasomal degradation. Journal of Biological Chemistry, 2018, 293, 12502-12515.	3.4	11
70	Androgen receptor (AR) antagonism triggers acute succinateâ€mediated adaptive responses to reactivate AR signaling. EMBO Molecular Medicine, 2021, 13, e13427.	6.9	11
71	Novel identification of STAT1 as a crucial mediator of ETV6-NTRK3-induced tumorigenesis. Oncogene, 2018, 37, 2270-2284.	5.9	10
72	How does oncogene transformation render tumor cells hypersensitive to nutrient deprivation?. BioEssays, 2014, 36, 1082-1090.	2.5	9

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73	Practical Considerations in Studying Metastatic Lung Colonization in Osteosarcoma Using the Pulmonary Metastasis Assay. Journal of Visualized Experiments, 2018, , .	0.3	9
74	Oncofetal Chondroitin Sulfate: A Putative Therapeutic Target in Adult and Pediatric Solid Tumors. Cells, 2020, 9, 818.	4.1	9
75	Clinically Tractable Outcome Prediction of Non-WNT/Non-SHH Medulloblastoma Based on TPD52 IHC in a Multicohort Study. Clinical Cancer Research, 2022, 28, 116-128.	7.0	8
76	Extracellular Vesicles in Reprogramming of the Ewing Sarcoma Tumor Microenvironment. Frontiers in Cell and Developmental Biology, 2021, 9, 726205.	3.7	7
77	HACE1 blocks HIF1Î± accumulation under hypoxia in a RAC1 dependent manner. Oncogene, 2021, 40, 1988-2001.	5.9	5
78	NSG Mice Facilitate ex vivo Characterization of Ewing Sarcoma Lung Metastasis Using the PuMA Model. Frontiers in Oncology, 2021, 11, 645757.	2.8	4
79	A low-carbohydrate diet containing soy protein and fish oil reduces breast but not prostate cancer in C3(1)/Tag mice. Carcinogenesis, 2022, 43, 115-125.	2.8	4
80	eEF2K protects <i>MYCN</i>-amplified cells from starvation. Cell Cycle, 2017, 16, 1633-1634.	2.6	3
81	Internalization and trafficking of CSPG-bound recombinant VAR2CSA lectins in cancer cells. Scientific Reports, 2022, 12, 3075.	3.3	3
82	De novo and cell line models of human mammary cell transformation reveal an essential role for Yb-1 in multiple stages of human breast cancer. Cell Death and Differentiation, 2021, , .	11.2	2
83	PDTM-02. STRESS GRANULES ARE INDUCED BY OXIDATIVE STRESS IN PEDIATRIC BRAIN TUMORS AND PREDICT POOR OUTCOME. Neuro-Oncology, 2018, 20, vi203-vi204.	1.2	1
84	RAS-driven oncogenesis is supported by downstream antioxidant programs. Molecular and Cellular Oncology, 2020, 7, 1654814.	0.7	1
85	CBMT-05. ROLE OF THE let7-eEF2K AXIS IN MYC-DRIVEN MEDULLOBLASTOMA ADAPTATION TO NUTRIENT DEPRIVATION. Neuro-Oncology, 2018, 20, vi33-vi33.	1.2	0
86	Adaptation to Metabolic Stress By MondoÎ± in Common B-Cell Acute Lymphoblastic Leukemia. Blood, 2018, 132, 3888-3888.	1.4	0
87	MEDB-18. Elongation control of mRNA translation supports Group 3 medulloblastoma adaptation to nutrient deprivation. Neuro-Oncology, 2022, 24, i108-i109.	1.2	0
88	PATH-03. Clinically Tractable Outcome Prediction of Group 3/4 Medulloblastoma Based on TPD52 Immunohistochemistry: a Multicohort Study. Neuro-Oncology, 2022, 24, i158-i158.	1.2	0
89	IMMU-04. Transcriptional analysis reveals distinct microenvironmental subgroups across pediatric nervous system tumors. Neuro-Oncology, 2022, 24, i81-i81.	1.2	0