

# Saverio Alberti

## List of Publications by Year in descending order

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132  
papers

4,941  
citations

94433

37  
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114465

63  
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139  
all docs

139  
docs citations

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times ranked

5621  
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlative Light-Electron Microscopy Reveals the Tubular-Saccular Ultrastructure of Carriers Operating between Golgi Apparatus and Plasma Membrane. <i>Journal of Cell Biology</i> , 2000, 148, 45-58.	5.2	304
2	Upregulation of Trop-2 quantitatively stimulates human cancer growth. <i>Oncogene</i> , 2013, 32, 222-233.	5.9	208
3	Abandoning the Notion of Non-Small Cell Lung Cancer. <i>Trends in Molecular Medicine</i> , 2019, 25, 585-594.	6.7	207
4	Epigenetic inheritance and the missing heritability. <i>Human Genomics</i> , 2015, 9, 17.	2.9	203
5	Human TROP-2 is a tumor-associated calcium signal transducer. <i>International Journal of Cancer</i> , 1998, 76, 671-676.	5.1	180
6	Epidermal Growth Factor-Like Repeats Mediate Lateral and Reciprocal Interactions of Ep-CAM Molecules in Homophilic Adhesions. <i>Molecular and Cellular Biology</i> , 2001, 21, 2570-2580.	2.3	159
7	Trop-2 Is a Determinant of Breast Cancer Survival. <i>PLoS ONE</i> , 2014, 9, e96993.	2.5	131
8	Cloning of the gene encoding TROP-2, a cell-surface glycoprotein expressed by human carcinomas. <i>International Journal of Cancer</i> , 1995, 62, 610-618.	5.1	126
9	Morphological characterization of a cell population responsible for natural killer activity. <i>Immunology</i> , 1981, 43, 663-8.	4.4	114
10	Combination of peripheral neutrophil-to-lymphocyte ratio and platelet-to-lymphocyte ratio is predictive of pathological complete response after neoadjuvant chemotherapy in breast cancer patients. <i>Breast</i> , 2019, 44, 33-38.	2.2	109
11	The Trop-2 signalling network in cancer growth. <i>Oncogene</i> , 2013, 32, 1594-1600.	5.9	104
12	Squalene epoxidase is a bona fide oncogene by amplification with clinical relevance in breast cancer. <i>Scientific Reports</i> , 2016, 6, 19435.	3.3	102
13	A single laser method for subtraction of cell autofluorescence in flow cytometry. <i>Cytometry</i> , 1987, 8, 114-119.	1.8	95
14	Molecular Cloning and Functional Characterization of Brefeldin A-ADP-ribosylated Substrate. <i>Journal of Biological Chemistry</i> , 1999, 274, 17705-17710.	3.4	92
15	Resveratrol downregulates Akt/GSK and ERK signalling pathways in OVCAR-3 ovarian cancer cells. <i>Molecular BioSystems</i> , 2012, 8, 1078.	2.9	91
16	A Bicistronic <i>CYCLIN D1-TROP2</i> mRNA Chimera Demonstrates a Novel Oncogenic Mechanism in Human Cancer. <i>Cancer Research</i> , 2008, 68, 8113-8121.	0.9	76
17	Flavonoids inhibit melanoma lung metastasis by impairing tumor cells endothelium interactions. <i>Journal of Cellular Physiology</i> , 2006, 207, 23-29.	4.1	75
18	Axillary Lymph Node Nanometastases Are Prognostic Factors for Disease-Free Survival and Metastatic Relapse in Breast Cancer Patients. <i>Clinical Cancer Research</i> , 2006, 12, 6696-6701.	7.0	71

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19	Cloning of the murine TROP2 gene: Conservation of a PIP2-binding sequence in the cytoplasmic domain of TROP-2. , 1998, 75, 324-330.		69
20	Biochemical Characterization of Trop-2, a Cell Surface Molecule Expressed by Human Carcinomas: Formal Proof that the Monoclonal Antibodies T16 and MOv-16 Recognize Trop-2. Hybridoma, 1992, 11, 539-545.	0.6	67
21	mTrop1/Epcam Knockout Mice Develop Congenital Tufting Enteropathy through Dysregulation of Intestinal E-cadherin/ $\beta$ -catenin. PLoS ONE, 2012, 7, e49302.	2.5	67
22	Assignment<footref rid="foot01"><sup>1</sup></footref> of TACSTD1 (alias TROP1, M4S1) to human chromosome 2p21 and refinement of mapping of TACSTD2 (alias TROP2, M1S1) to human chromosome 1p32 by in situ hybridization. Cytogenetic and Genome Research, 2001, 92, 164-165.	1.1	62
23	p53 Status Identifies Two Subgroups of Triple-negative Breast Cancers with Distinct Biological Features. Japanese Journal of Clinical Oncology, 2011, 41, 172-179.	1.3	59
24	Trop $\alpha$ 2 inhibits prostate cancer cell adhesion to fibronectin through the $\beta$ 1 integrin $\alpha$ RACK1 axis. Journal of Cellular Physiology, 2012, 227, 3670-3677.	4.1	58
25	The trophoblast cell surface antigen 2 and miR-125b axis in urothelial bladder cancer. Oncotarget, 2017, 8, 58642-58653.	1.8	58
26	Transfection into mouse L cells of genes encoding two serologically and functionally distinct bovine class I MHC molecules from a MHC-homozygous animal: evidence for a second class I locus in cattle. Immunology, 1990, 70, 20-6.	4.4	54
27	Oligomerization of DsRed is required for the generation of a functional red fluorescent chromophore. FEBS Letters, 2002, 525, 13-19.	2.8	49
28	Translating epithelial mesenchymal transition markers into the clinic: Novel insights from proteomics. EuPA Open Proteomics, 2016, 10, 31-41.	2.5	49
29	Expression of HLA Class I Genes in Meiotic and Post-Meiotic Human Spermatogenic Cells1. Biology of Reproduction, 1996, 55, 99-110.	2.7	44
30	Detection and analysis of spliced chimeric mRNAs in sequence databanks. Nucleic Acids Research, 2003, 31, 17e-17.	14.5	44
31	Energy $\alpha$ -based prediction of amino acid $\alpha$ -nucleotide base recognition. Journal of Computational Chemistry, 2008, 29, 1955-1969.	3.3	44
32	Biochemical and immunological characterization of the human carcinoma-associated antigen MH 99/KS 1/4. International Journal of Cancer, 1993, 55, 988-995.	5.1	42
33	A Dietary Tomato Supplement Prevents Prostate Cancer in TRAMP Mice. Cancer Prevention Research, 2010, 3, 1284-1291.	1.5	42
34	DNA methylation prevents the amplification of TROP1, a tumor-associated cell surface antigen gene.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 5833-5837.	7.1	41
35	Molecular Subtyping of Breast Cancer from Traditional Tumor Marker Profiles Using Parallel Clustering Methods. Clinical Cancer Research, 2006, 12, 781-790.	7.0	41
36	Overexpression of activated phospholipase C $\beta$ 1 is a risk factor for distant metastases in T1 $\alpha$ T2, N0 breast cancer patients undergoing adjuvant chemotherapy. International Journal of Cancer, 2013, 132, 1022-1031.	5.1	41

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37	CD133, Trop-2 and alpha2beta1 integrin surface receptors as markers of putative human prostate cancer stem cells. American Journal of Translational Research (discontinued), 2010, 2, 135-44.	0.0	41
38	DNA methylation prevents transfection of genes for specific surface antigens.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 8391-8394.	7.1	40
39	Protocol for high-sensitivity/long linear-range spectrofluorimetric DNA quantification using ethidium bromide. BioTechniques, 2007, 43, 173-176.	1.8	39
40	Proteomics analysis of E-cadherin knockdown in epithelial breast cancer cells. Journal of Biotechnology, 2015, 202, 3-11.	3.8	38
41	Trop-2 Induces Tumor Growth Through AKT and Determines Sensitivity to AKT Inhibitors. Clinical Cancer Research, 2016, 22, 4197-4205.	7.0	38
42	Expression of 38-kD Cell-Surface Glycoprotein in Transformed Keratinocyte Cell Lines, Basal Cell Carcinomas, and Epithelial Germs. Journal of Investigative Dermatology, 1990, 95, 74-82.	0.7	37
43	Effects of in vivo treatments with cyclosporin-A on mouse cell-mediated immune responses. International Journal of Immunopharmacology, 1981, 3, 357-364.	1.1	36
44	Effect of hydrocortisone on the macrophage content, growth and metastasis of transplanted murine tumors. International Journal of Cancer, 1984, 33, 95-105.	5.1	36
45	Efficient GFP mutations profoundly affect mRNA transcription and translation rates. FEBS Letters, 2001, 492, 151-155.	2.8	36
46	High expression of 90K (Mac-2 BP) is associated with poor survival in node-negative breast cancer patients not receiving adjuvant systemic therapies. International Journal of Cancer, 2009, 124, 333-338.	5.1	36
47	(-)-Epigallocatechin-3-gallate (EGCG) post-transcriptionally and post-translationally suppresses the cell proliferative protein TROP2 in human colorectal cancer cells. Anticancer Research, 2010, 30, 2497-503.	1.1	36
48	Trop-2 cleavage by ADAM10 is an activator switch for cancer growth and metastasis. Neoplasia, 2021, 23, 415-428.	5.3	35
49	Mutations of TP53 induce loss of DNA methylation and amplification of the TROP1 gene. Oncogene, 2003, 22, 1668-1677.	5.9	34
50	MRC OX19 recognizes the rat CD5 surface glycoprotein, but does not provide evidence for a population of CD5bright B cells. European Journal of Immunology, 1994, 24, 585-592.	2.9	33
51	Green Fluorescent Protein variants fold differentially in prokaryotic and eukaryotic cells. Journal of Cellular Biochemistry, 2001, 81, 117-128.	2.6	33
52	T-cell receptor engagement and tumor ICAM-1 up-regulation are required to bypass low susceptibility of melanoma cells to autologous CTL-mediated lysis. International Journal of Cancer, 1993, 53, 994-1001.	5.1	33
53	The Ca-MOV18 molecule, a cell-surface marker of human ovarian carcinomas, is anchored to the cell membrane by phosphatidylinositol. Biochemical and Biophysical Research Communications, 1990, 171, 1051-1055.	2.1	31
54	Heterogeneous susceptibility of human melanoma clones to monocyte cytotoxicity: Role of ICAM-1 defined by antibody blocking and gene transfer. European Journal of Immunology, 1992, 22, 2255-2260.	2.9	30

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55	An immunohistochemically positive E-cadherin status is not always predictive for a good prognosis in human breast cancer. <i>British Journal of Cancer</i> , 2010, 103, 1835-1839.	6.4	30
56	A seven-gene CpG-island methylation panel predicts breast cancer progression. <i>BMC Cancer</i> , 2015, 15, 417.	2.6	30
57	Distinct lung cancer subtypes associate to distinct drivers of tumor progression. <i>Oncotarget</i> , 2018, 9, 35528-35540.	1.8	30
58	Comparative proteome profiling of breast tumor cell lines by gel electrophoresis and mass spectrometry reveals an epithelial mesenchymal transition associated protein signature. <i>Molecular BioSystems</i> , 2013, 9, 1127-1138.	2.9	29
59	Nuclear changes in necrotic HL-60 cells. <i>Journal of Cellular Biochemistry</i> , 2001, 81, 19-31.	2.6	28
60	Higher transfection efficiency of genomic DNA purified with a guanidinium thiocyanate-based procedure. <i>Nucleic Acids Research</i> , 1990, 18, 351-353.	14.5	27
61	Green fluorescent flowers. <i>Plant Science</i> , 2001, 161, 961-968.	3.6	27
62	Meta-analysis of the role of p53 status in isogenic systems tested for sensitivity to cytotoxic antineoplastic drugs. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2004, 1705, 103-120.	7.4	27
63	The origin of the genetic code and protein synthesis. <i>Journal of Molecular Evolution</i> , 1997, 45, 352-358.	1.8	26
64	The forgotten variables of DNA array hybridization. <i>Trends in Biotechnology</i> , 2006, 24, 443-448.	9.3	26
65	Epigenetic heredity of human height. <i>Physiological Reports</i> , 2014, 2, e12047.	1.7	26
66	High-efficiency expression gene cloning by flow cytometry.. <i>Journal of Histochemistry and Cytochemistry</i> , 1996, 44, 629-640.	2.5	25
67	Presentation of native TROPâ€2 tumor antigens to human cytotoxic T lymphocytes by engineered antigenâ€presenting cells. <i>International Journal of Cancer</i> , 2002, 101, 353-359.	5.1	25
68	p53, cathepsin D, Bcl-2 are joint prognostic indicators of breast cancer metastatic spreading. <i>BMC Cancer</i> , 2016, 16, 649.	2.6	25
69	Lack of Association between BK Virus and Ependymomas, Malignant Tumors of Pancreatic Islets, Osteosarcomas and Other Human Tumors. <i>Intervirolgy</i> , 1981, 15, 10-18.	2.8	24
70	A phosphoinositide-binding sequence is shared by PH domain target moleculesâ€”a model for the binding of PH domains to proteins. , 1998, 31, 1-9.		24
71	Changes of Topoisomerase III± Expression in Breast Tumors after Neoadjuvant Chemotherapy Predicts Relapse-Free Survival. <i>Clinical Cancer Research</i> , 2006, 12, 1501-1506.	7.0	24
72	Trop-1 are conserved growth stimulatory molecules that mark early stages of tumor progression. <i>Cancer</i> , 2007, 110, 452-464.	4.1	24

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73	Trop-2 induces ADAM10-mediated cleavage of E-cadherin and drives EMT-less metastasis in colon cancer. <i>Neoplasia</i> , 2021, 23, 898-911.	5.3	24
74	A Unique Four-Hub Protein Cluster Associates to Glioblastoma Progression. <i>PLoS ONE</i> , 2014, 9, e103030.	2.5	24
75	Large and diverse numbers of human diseases with HIKE mutations. <i>Human Molecular Genetics</i> , 2000, 9, 1001-1007.	2.9	23
76	Human height genes and cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2013, 1836, 27-41.	7.4	22
77	PLC-gamma-1 phosphorylation status is prognostic of metastatic risk in patients with early-stage Luminal-A and -B breast cancer subtypes. <i>BMC Cancer</i> , 2019, 19, 747.	2.6	22
78	Protein tags enhance GFP folding in eukaryotic cells. <i>Nature Biotechnology</i> , 1999, 17, 1046-1046.	17.5	21
79	Immunofluorescence analysis in flow cytometry: better selection of antibody-labeled cells after fluorescence overcompensation in the red channel.. <i>Journal of Histochemistry and Cytochemistry</i> , 1991, 39, 701-706.	2.5	20
80	Cyclin D1 gene contains a cryptic promoter that is functional in human cancer cells. <i>Genes Chromosomes and Cancer</i> , 2001, 31, 209-220.	2.8	20
81	Long-range Transcriptome Sequencing Reveals Cancer Cell Growth Regulatory Chimeric mRNA. <i>Neoplasia</i> , 2012, 14, 1087-49.	5.3	19
82	Membrane association and shedding of the GPI-anchored Ca-MOV18 antigen in human ovary carcinoma cells. <i>International Journal of Cancer</i> , 1992, 51, 499-505.	5.1	18
83	Intestinal tumour chemoprevention with the antioxidant liponic acid stimulates the growth of breast cancer. <i>European Journal of Cancer</i> , 2008, 44, 2696-2704.	2.8	18
84	Trop-2, Na <sup>+</sup> /K <sup>+</sup> ATPase, CD9, PKC $\zeta$ , cofilin assemble a membrane signaling super-complex that drives colorectal cancer growth and invasion. <i>Oncogene</i> , 2022, 41, 1795-1808.	5.9	15
85	Cell growth stimulation by CRASH, an asparaginase-like protein overexpressed in human tumors and metastatic breast cancers. <i>Anticancer Research</i> , 2009, 29, 951-63.	1.1	15
86	The molecular determinants of the efficiency of green fluorescent protein mutants. <i>Histology and Histopathology</i> , 2000, 15, 101-7.	0.7	14
87	HIKE, a candidate protein binding site for PH domains, is a major regulatory region of G $\beta$ proteins. , 1999, 35, 360-363.		12
88	Cancer-Homing CAR-T Cells and Endogenous Immune Population Dynamics. <i>International Journal of Molecular Sciences</i> , 2022, 23, 405.	4.1	11
89	Large granular lymphocytes from murine blood and intestinal epithelium: Comparison of surface antigens, natural killer activity, and morphology. <i>Clinical Immunology and Immunopathology</i> , 1985, 36, 227-238.	2.0	10
90	Evolution of the genetic code, protein synthesis and nucleic acid replication. <i>Cellular and Molecular Life Sciences</i> , 1999, 56, 85-93.	5.4	10

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91	Red GFP and endogenous porphyrins. <i>Current Biology</i> , 1999, 9, R391-R393.	3.9	9
92	Cytoplasmic Trop-1/Ep-CAM Overexpression is Associated with a Favorable Outcome in Node-positive Breast Cancer. <i>Japanese Journal of Clinical Oncology</i> , 2012, 42, 1128-1137.	1.3	9
93	The 150 most important questions in cancer research and clinical oncology series: questions 15-24. <i>Chinese Journal of Cancer</i> , 2017, 36, 39.	4.9	9
94	Preservation of cells sorted individually onto microscope slides with a fluorescence-activated cell sorter. <i>Cytometry</i> , 1984, 5, 644-647.	1.8	8
95	In vivo targeting of integrin receptors in human skin xenografts by intravenously applied antibodies. <i>Archives of Dermatological Research</i> , 1994, 286, 6-11.	1.9	8
96	A high affinity T cell receptor?. <i>Immunology and Cell Biology</i> , 1996, 74, 292-297.	2.3	6
97	Letter to the Editor: Efficacy and safety of anti-Trop antibodies, R. Cubas, M. Li, C. Chen and Q. Yao, <i>Biochim Biophys Acta</i> 1796 (2009) 309-1. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2010, 1805, 119-120.	7.4	5
98	RE: HABP2 G534E Mutation in Familial Nonmedullary Thyroid Cancer. <i>Journal of the National Cancer Institute</i> , 2016, 108, djw143.	6.3	5
99	Pharmacogenetic and pharmacogenomic discovery strategies. <i>Cancer Drug Resistance (Alhambra, Calif)</i> Tj ETQq1 1,0,784314 rgBT /C 2,1 5	1.0	5
100	Molecular cloning, reconstruction and expression of the gene encoding the alpha-chain of the bovine CD8- $\alpha$ -definition of three peptide regions conserved across species. <i>Immunology</i> , 1992, 76, 95-102.	4.4	5
101	Detection of the Receptor for the Human Urokinase-type Plasminogen Activator Using Fluoresceinated uPA. <i>Journal of Histochemistry and Cytochemistry</i> , 1997, 45, 1307-1313.	2.5	4
102	Molecular Prognostic Indicators for Breast Cancer. <i>Tumori</i> , 2001, 87, 23-25.	1.1	4
103	Sentinel Node and Bone Marrow Micrometastases and Nanometastases. <i>Current Breast Cancer Reports</i> , 2010, 2, 96-106.	1.0	4
104	Lymph Node Micrometastases Do Influence Breast Cancer Outcome. <i>Journal of Clinical Oncology</i> , 2015, 33, 3977-3978.	1.6	4
105	Microscopic tumor foci in axillary lymph nodes may reveal the recurrence dynamics of breast cancer. <i>Cancer Communications</i> , 2019, 39, 1-4.	9.2	4
106	Prognostic value of mutations in TP53 and RAS genes in breast cancer. <i>International Journal of Biological Markers</i> , 2003, 18, 49-53.	1.8	4
107	Comment on "Cancer chemoprevention: Evidence of a nonlinear dose response for the protective effects of resveratrol in humans and mice" • <i>Science Translational Medicine</i> , 2016, 8, 350e2.	12.4	3
108	Molecular Cloning of the Rat CD5 Gene. <i>Annals of the New York Academy of Sciences</i> , 1992, 651, 82-83.	3.8	2

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109	Trop Molecules as Targets for Anti-Tumor Immunotherapy in Man. Tumori, 2001, 87, 5-8.	1.1	2
110	Inactivation of E-cadherin by Trop-2 drives colon cancer metastasis.. Journal of Clinical Oncology, 2021, 39, 105-105.	1.6	2
111	Metastatic Growth of a Murine Tumor: Evidence of Dissemination to the Lungs in the Absence of Subcutaneous Growth. Tumori, 1986, 72, 345-350.	1.1	1
112	Development of ulcerative colitis: evidence from animal models. Trends in Molecular Medicine, 1996, 2, 272-274.	2.6	1
113	Native, sequential protein folding via anchored N and C protein termini. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3189-E3191.	7.1	1
114	Cloning of the murine TROP2 gene: Conservation of a PIP2-binding sequence in the cytoplasmic domain of TROP2. International Journal of Cancer, 1998, 75, 324-330.	5.1	1
115	Signaling protein networks as targets of new antineoplastic drugs. International Journal of Biological Markers, 2003, 18, 57-61.	1.8	1
116	Abstract 367: Trop-2 activates a dormant Na <sup>+</sup> /K <sup>+</sup> -ATPase/PKC $\beta$ /CD9/ezrin signaling axis to override the basal growth program of cancer cells. , 2017, , .		1
117	Transfection and cloning of genes for membrane antigens using the FACS. Medical Oncology and Tumor Pharmacotherapy, 1984, 1, 219-224.	1.1	1
118	The Hu2G10 mAb targets the cleaved-activated form of Trop-2 and exploits vulnerability of multiple human cancers.. Journal of Clinical Oncology, 2022, 40, e14548-e14548.	1.6	1
119	Relationship between large granular lymphocytes and NK-1.2+ cells from normal and poly(inosinic:cytidylic acid) (poly(I:C))-treated mice. Clinical Immunology and Immunopathology, 1985, 36, 81-94.	2.0	0
120	DNA Transfection : Gene Regulation, Gene Amplification and Gene Cloning. Juntendoì, Igaku, 1986, 32, 423-425.	0.1	0
121	Corrigendum to "Green fluorescent flowers" Plant Science, 2002, 162, 645.	3.6	0
122	EpCAM Expression Is an Indicator of Increased Incidence of Relapse in p53-Positive Breast Cancer. Cancer and Clinical Oncology, 2012, 2, .	0.2	0
123	Trop-2 is a universal driver of tumor growth and metastatization " A new target for diagnostics and therapeutics. Journal of Biotechnology, 2014, 185, S9.	3.8	0
124	Abstract PD15-04: Trop-2 inactivation of E-cadherin drives triple negative breast cancer relapse. , 2021, , .		0
125	Trop-2 inactivates E-cadherin and drives colon cancer metastasis.. Journal of Clinical Oncology, 2021, 39, e15576-e15576.	1.6	0
126	Abstract 2851: Trop-2 inactivates E-cadherin for metastatic diffusion in the absence of EMT. , 2021, , .		0



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127	Abstract 5139: Trop2 modulates beta1 integrin-mediated adhesion and migration of prostate cancer cells. , 2010, , .		0
128	Abstract 5042: Trop-2 is a universal cancer growth stimulator through a ubiquitous signaling platform. , 2010, , .		0
129	In Vivo Treatments with Cyclosporin-A: Different Effects on Cell-Mediated Immunity in Mice. , 1984, , 293-302.		0
130	Novel domain-targeted anti-Trop-2 monoclonal antibodies to elicit therapeutic synergy against multiple human cancers.. Journal of Clinical Oncology, 2017, 35, e14002-e14002.	1.6	0
131	Abstract 4588: Novel anti-Trop-2 monoclonal antibodies with unique binding specificities show therapeutic synergy against most human cancers. , 2017, , .		0
132	A deterministic code for transcription factor-DNA recognition through computation of binding interfaces. NAR Genomics and Bioinformatics, 2022, 4, lqac008.	3.2	0