

Tuan Zea Tan

List of Publications by Year in descending order

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Version: 2024-02-01

120
papers

5,796
citations

76326

40
h-index

88630

70
g-index

133
all docs

133
docs citations

133
times ranked

10764
citing authors

#	ARTICLE	IF	CITATIONS
1	Epithelial-mesenchymal transition spectrum quantification and its efficacy in deciphering survival and drug responses of cancer patients. <i>EMBO Molecular Medicine</i> , 2014, 6, 1279-1293.	6.9	612
2	Dual role of autophagy in hallmarks of cancer. <i>Oncogene</i> , 2018, 37, 1142-1158.	5.9	403
3	Epithelial-to-Mesenchymal Transition and Autophagy Induction in Breast Carcinoma Promote Escape from T-cell-Mediated Lysis. <i>Cancer Research</i> , 2013, 73, 2418-2427.	0.9	255
4	Functional genomics identifies five distinct molecular subtypes with clinical relevance and pathways for growth control in epithelial ovarian cancer. <i>EMBO Molecular Medicine</i> , 2013, 5, 1051-1066.	6.9	235
5	Molecular Subtypes of Urothelial Bladder Cancer: Results from a Meta-cohort Analysis of 2411 Tumors. <i>European Urology</i> , 2019, 75, 423-432.	1.9	205
6	The immune checkpoint ligand PD-L1 is upregulated in EMT-activated human breast cancer cells by a mechanism involving ZEB-1 and miR-200. <i>Oncotarget</i> , 2017, 6, e1263412.	4.6	193
7	Lgr5 marks stem/progenitor cells in ovary and tubal epithelia. <i>Nature Cell Biology</i> , 2014, 16, 745-757.	10.3	187
8	Molecular characterization of breast cancer CTCs associated with brain metastasis. <i>Nature Communications</i> , 2017, 8, 196.	12.8	148
9	Short-term expansion of breast circulating cancer cells predicts response to anti-cancer therapy. <i>Oncotarget</i> , 2015, 6, 15578-15593.	1.8	134
10	GRHL2-miR-200-ZEB1 maintains the epithelial status of ovarian cancer through transcriptional regulation and histone modification. <i>Scientific Reports</i> , 2016, 6, 19943.	3.3	119
11	DEAD-box helicase DP103 defines metastatic potential of human breast cancers. <i>Journal of Clinical Investigation</i> , 2014, 124, 3807-3824.	8.2	118
12	Epithelial-to-Mesenchymal Transition is a Cause of Both Intrinsic and Acquired Resistance to KRAS G12C Inhibitor in KRAS G12C-Mutant Non-Small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2020, 26, 5962-5973.	7.0	118
13	The GAS6-AXL signaling network is a mesenchymal (Mes) molecular subtype-specific therapeutic target for ovarian cancer. <i>Science Signaling</i> , 2016, 9, ra97.	3.6	105
14	A COL11A1-correlated pan-cancer gene signature of activated fibroblasts for the prioritization of therapeutic targets. <i>Cancer Letters</i> , 2016, 382, 203-214.	7.2	99
15	TRPV4 Regulates Breast Cancer Cell Extravasation, Stiffness and Actin Cortex. <i>Scientific Reports</i> , 2016, 6, 27903.	3.3	98
16	Disruption of Runx1 and Runx3 Leads to Bone Marrow Failure and Leukemia Predisposition due to Transcriptional and DNA Repair Defects. <i>Cell Reports</i> , 2014, 8, 767-782.	6.4	80
17	Wanted DEAD/H or Alive: Helicases Winding Up in Cancers. <i>Journal of the National Cancer Institute</i> , 2017, 109, djw278.	6.3	79
18	Cytoskeletal Dynamics in Epithelial-Mesenchymal Transition: Insights into Therapeutic Targets for Cancer Metastasis. <i>Cancers</i> , 2021, 13, 1882.	3.7	77

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19	Characterization of circulating breast cancer cells with tumorigenic and metastatic capacity. <i>EMBO Molecular Medicine</i> , 2020, 12, e11908.	6.9	77
20	Cytoskeletal Proteins in Cancer and Intracellular Stress: A Therapeutic Perspective. <i>Cancers</i> , 2020, 12, 238.	3.7	70
21	Analysis of gene expression signatures identifies prognostic and functionally distinct ovarian clear cell carcinoma subtypes. <i>EBioMedicine</i> , 2019, 50, 203-210.	6.1	67
22	CSIOVDB: a microarray gene expression database of epithelial ovarian cancer subtype. <i>Oncotarget</i> , 2015, 6, 43843-43852.	1.8	66
23	AXL Targeting Abrogates Autophagic Flux and Induces Immunogenic Cell Death in Drug-Resistant Cancer Cells. <i>Journal of Thoracic Oncology</i> , 2020, 15, 973-999.	1.1	66
24	Highly sensitive and specific novel biomarkers for the diagnosis of transitional bladder carcinoma. <i>Oncotarget</i> , 2015, 6, 13539-13549.	1.8	64
25	SPHK1 regulates proliferation and survival responses in triple-negative breast cancer. <i>Oncotarget</i> , 2014, 5, 5920-5933.	1.8	64
26	Long non-coding Wnt in female reproductive cancers: therapeutic potential of long non-coding RNAs in Wnt signalling. <i>British Journal of Pharmacology</i> , 2017, 174, 4684-4700.	5.4	62
27	Acquisition of tumor cell phenotypic diversity along the EMT spectrum under hypoxic pressure: Consequences on susceptibility to cell-mediated cytotoxicity. <i>Oncotarget</i> , 2017, 6, e1271858.	4.6	61
28	The role of GRHL2 and epigenetic remodeling in epithelial-mesenchymal plasticity in ovarian cancer cells. <i>Communications Biology</i> , 2019, 2, 272.	4.4	58
29	EMT-Induced Stemness and Tumorigenicity Are Fueled by the EGFR/Ras Pathway. <i>PLoS ONE</i> , 2013, 8, e70427.	2.5	58
30	The clinical role of epithelial-mesenchymal transition and stem cell markers in advanced-stage ovarian serous carcinoma effusions. <i>Human Pathology</i> , 2015, 46, 1-8.	2.0	55
31	USP26 regulates TGF β 2 signaling by deubiquitinating and stabilizing SMAD7. <i>EMBO Reports</i> , 2017, 18, 797-808.	4.5	54
32	Non-invasive prenatal diagnostic testing for β -thalassaemia using cell-free fetal DNA and next generation sequencing. <i>Prenatal Diagnosis</i> , 2015, 35, 258-265.	2.3	51
33	Epithelial to mesenchymal transition (EMT) is associated with attenuation of succinate dehydrogenase (SDH) in breast cancer through reduced expression of SDHC. <i>Cancer & Metabolism</i> , 2019, 7, 6.	5.0	51
34	Inhibition of LIN28B impairs leukemia cell growth and metabolism in acute myeloid leukemia. <i>Journal of Hematology and Oncology</i> , 2017, 10, 138.	17.0	49
35	Protein Arginine Methyltransferase 6 Regulates Embryonic Stem Cell Identity. <i>Stem Cells and Development</i> , 2012, 21, 2613-2622.	2.1	47
36	BIOLOGICAL BRAIN-INSPIRED GENETIC COMPLEMENTARY LEARNING FOR STOCK MARKET AND BANK FAILURE PREDICTION. <i>Computational Intelligence</i> , 2007, 23, 236-261.	3.2	45

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37	Ovarian cancer diagnosis with complementary learning fuzzy neural network. <i>Artificial Intelligence in Medicine</i> , 2008, 43, 207-222.	6.5	44
38	c-Met activation leads to the establishment of a TGF β ² -receptor regulatory network in bladder cancer progression. <i>Nature Communications</i> , 2019, 10, 4349.	12.8	44
39	ASLAN003, a potent dihydroorotate dehydrogenase inhibitor for differentiation of acute myeloid leukemia. <i>Haematologica</i> , 2020, 105, 2286-2297.	3.5	43
40	Peruvoside targets apoptosis and autophagy through MAPK Wnt/ β -catenin and PI3K/AKT/mTOR signaling pathways in human cancers. <i>Life Sciences</i> , 2020, 241, 117147.	4.3	43
41	Development and Validation of the Gene Expression Predictor of High-grade Serous Ovarian Carcinoma Molecular SubTYPE (PrOTYPE). <i>Clinical Cancer Research</i> , 2020, 26, 5411-5423.	7.0	43
42	A central role for TRPS1 in the control of cell cycle and cancer development. <i>Oncotarget</i> , 2014, 5, 7677-7690.	1.8	43
43	Manganese Superoxide Dismutase Expression Regulates the Switch Between an Epithelial and a Mesenchymal-Like Phenotype in Breast Carcinoma. <i>Antioxidants and Redox Signaling</i> , 2016, 25, 283-299.	5.4	42
44	Integrative Analysis and Machine Learning Based Characterization of Single Circulating Tumor Cells. <i>Journal of Clinical Medicine</i> , 2020, 9, 1206.	2.4	42
45	Functional relevance of a six mesenchymal gene signature in epithelial-mesenchymal transition (EMT) reversal by the triple angiokinase inhibitor, nintedanib (BIBF1120). <i>Oncotarget</i> , 2015, 6, 22098-22113.	1.8	42
46	Bromodomain and extraterminal proteins foster the core transcriptional regulatory programs and confer vulnerability in liposarcoma. <i>Nature Communications</i> , 2019, 10, 1353.	12.8	39
47	Clear Cell Renal Cell Carcinoma is linked to Epithelial-to-Mesenchymal Transition and to Fibrosis. <i>Physiological Reports</i> , 2017, 5, e13305.	1.7	36
48	Manganese Superoxide Dismutase Is a Promising Target for Enhancing Chemosensitivity of Basal-Like Breast Carcinoma. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 2326-2346.	5.4	35
49	Transposon insertional mutagenesis in mice identifies human breast cancer susceptibility genes and signatures for stratification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2215-E2224.	7.1	34
50	PPAR β Ligand-induced Annexin A1 Expression Determines Chemotherapy Response via Deubiquitination of Death Domain Kinase RIP in Triple-negative Breast Cancers. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 2528-2542.	4.1	32
51	Belinostat exerts antitumor cytotoxicity through the ubiquitin-proteasome pathway in lung squamous cell carcinoma. <i>Molecular Oncology</i> , 2017, 11, 965-980.	4.6	31
52	SNAI1 recruits HDAC1 to suppress SNAI2 transcription during epithelial to mesenchymal transition. <i>Scientific Reports</i> , 2019, 9, 8295.	3.3	31
53	The tumour suppressor OPCML promotes AXL inactivation by the phosphatase PTPRG in ovarian cancer. <i>EMBO Reports</i> , 2018, 19, .	4.5	30
54	Quantitative imaging of RAD51 expression as a marker of platinum resistance in ovarian cancer. <i>EMBO Molecular Medicine</i> , 2021, 13, e13366.	6.9	30

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55	LIN28B Activation by PRL-3 Promotes Leukemogenesis and a Stem Cell-like Transcriptional Program in AML. <i>Molecular Cancer Research</i> , 2017, 15, 294-303.	3.4	29
56	RUNX Poly(ADP-Ribosyl)ation and BLM Interaction Facilitate the Fanconi Anemia Pathway of DNA Repair. <i>Cell Reports</i> , 2018, 24, 1747-1755.	6.4	27
57	Doxycycline host-directed therapy in human pulmonary tuberculosis. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	27
58	Inflammatory and mitogenic signals drive interleukin 23 subunit alpha (IL23A) secretion independent of IL12B in intestinal epithelial cells. <i>Journal of Biological Chemistry</i> , 2020, 295, 6387-6400.	3.4	25
59	Cysteine Deprivation Targets Ovarian Clear Cell Carcinoma via Oxidative Stress and Iron-Sulfur Cluster Biogenesis Deficit. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 1191-1208.	5.4	25
60	Epithelial to Mesenchymal Transition Regulates Surface PD-L1 via CMTM6 and CMTM7 Induction in Breast Cancer. <i>Cancers</i> , 2021, 13, 1165.	3.7	24
61	TGF β 2 Promotes Genomic Instability after Loss of RUNX3. <i>Cancer Research</i> , 2018, 78, 88-102.	0.9	22
62	A loss-of-function genetic screening reveals synergistic targeting of AKT/mTOR and WNT-catenin pathways for treatment of AML with high PRL-3 phosphatase. <i>Journal of Hematology and Oncology</i> , 2018, 11, 36.	17.0	22
63	Phosphatase of regenerating liver-3 is regulated by signal transducer and activator of transcription 3 in acute myeloid leukemia. <i>Experimental Hematology</i> , 2014, 42, 1041-1052.e2.	0.4	21
64	Loss of discoidin domain receptor 1 (DDR1) via CpG methylation during EMT in epithelial ovarian cancer. <i>Gene</i> , 2017, 635, 9-15.	2.2	20
65	Integrated use of bioinformatic resources reveals that co-targeting of histone deacetylases, IKK and SRC inhibits epithelial-mesenchymal transition in cancer. <i>Briefings in Bioinformatics</i> , 2019, 20, 717-731.	6.5	20
66	AXL Is a Driver of Stemness in Normal Mammary Gland and Breast Cancer. <i>IScience</i> , 2020, 23, 101649.	4.1	20
67	Targeting codon 158 p53-mutant cancers via the induction of p53 acetylation. <i>Nature Communications</i> , 2020, 11, 2086.	12.8	20
68	Blocking Aerobic Glycolysis by Targeting Pyruvate Dehydrogenase Kinase in Combination with EGFR TKI and Ionizing Radiation Increases Therapeutic Effect in Non-Small Cell Lung Cancer Cells. <i>Cancers</i> , 2021, 13, 941.	3.7	20
69	Utilization of the Cre-Myc Mouse to Model Heterogeneity of Therapeutic Response. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 3219-3229.	4.1	19
70	Identification of AIM2 as a downstream target of JAK2V617F. <i>Experimental Hematology and Oncology</i> , 2015, 5, 2.	5.0	19
71	Topography of transcriptionally active chromatin in glioblastoma. <i>Science Advances</i> , 2021, 7, .	10.3	19
72	Detection of aneuploidy from single fetal nucleated red blood cells using whole genome sequencing. <i>Prenatal Diagnosis</i> , 2015, 35, 637-644.	2.3	18

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73	Decoding transcriptomic intra-tumour heterogeneity to guide personalised medicine in ovarian cancer. <i>Journal of Pathology</i> , 2019, 247, 305-319.	4.5	18
74	Gelsolin-Cu/ZnSOD interaction alters intracellular reactive oxygen species levels to promote cancer cell invasion. <i>Oncotarget</i> , 2016, 7, 52832-52848.	1.8	18
75	TIP60 inhibits metastasis by ablating DNMT1-SNAIL2-driven epithelial-mesenchymal transition program. <i>Journal of Molecular Cell Biology</i> , 2016, 8, 1-16.	3.3	17
76	Non-canonical activation of β -catenin by PRL-3 phosphatase in acute myeloid leukemia. <i>Oncogene</i> , 2019, 38, 1508-1519.	5.9	17
77	BET Bromodomain inhibition promotes De-repression of TXNIP and activation of ASK1-MAPK pathway in acute myeloid leukemia. <i>BMC Cancer</i> , 2018, 18, 731.	2.6	16
78	The FZD-TWIST 1 axis is responsible for anoikis resistance and tumorigenesis in ovarian carcinoma. <i>Molecular Oncology</i> , 2019, 13, 757-780.	4.6	16
79	Normalizing the malignant phenotype of luminal breast cancer cells via $\alpha(v)\beta(3)$ -integrin. <i>Cell Death and Disease</i> , 2016, 7, e2491-e2491.	6.3	15
80	X-linked inhibitor of apoptosis inhibition sensitizes acute myeloid leukemia cell response to TRAIL and chemotherapy through potentiated induction of proapoptotic machinery. <i>Molecular Oncology</i> , 2018, 12, 33-47.	4.6	15
81	DNA Methylation Profiling of Breast Cancer Cell Lines along the Epithelial Mesenchymal Spectrum: Implications for the Choice of Circulating Tumour DNA Methylation Markers. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2553.	4.1	15
82	Pharmacological Inhibition of TFF3 Enhances Sensitivity of CMS4 Colorectal Carcinoma to 5-Fluorouracil through Inhibition of p44/42 MAPK. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6215.	4.1	14
83	Putting the BRK on breast cancer: From molecular target to therapeutics. <i>Theranostics</i> , 2021, 11, 1115-1128.	10.0	14
84	MicroRNA-196a promotes renal cancer cell migration and invasion by targeting BRAM1 to regulate SMAD and MAPK signaling pathways. <i>International Journal of Biological Sciences</i> , 2021, 17, 4254-4270.	6.4	13
85	A common MET polymorphism harnesses HER2 signaling to drive aggressive squamous cell carcinoma. <i>Nature Communications</i> , 2020, 11, 1556.	12.8	12
86	A Novel Biologically and Psychologically Inspired Fuzzy Decision Support System: Hierarchical Complementary Learning. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2008, 5, 67-79.	3.0	11
87	BCG therapy downregulates HLA-I on malignant cells to subvert antitumor immune responses in bladder cancer. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	11
88	Identification of 42 Genes Linked to Stage II Colorectal Cancer Metastatic Relapse. <i>International Journal of Molecular Sciences</i> , 2016, 17, 598.	4.1	10
89	SNAIL1-Driven Sequential EMT Changes Attributed by Selective Chromatin Enrichment of RAD21 and GRHL2. <i>Cancers</i> , 2020, 12, 1140.	3.7	10
90	SMARCA2 Is a Novel Interactor of NSD2 and Regulates Prometastatic PTP4A3 through Chromatin Remodeling in t(4;14) Multiple Myeloma. <i>Cancer Research</i> , 2021, 81, 2332-2344.	0.9	10

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91	3D genome organization in the epithelial-mesenchymal transition spectrum. <i>Genome Biology</i> , 2022, 23, .	8.8	10
92	Raf Kinase Inhibitory Protein Role in the Molecular Subtyping of Breast Cancer. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 488-497.	2.6	9
93	Targeting the AXL signaling pathway in ovarian cancer. <i>Molecular and Cellular Oncology</i> , 2017, 4, e1263716.	0.7	9
94	TRAF4 Inhibits Bladder Cancer Progression by Promoting BMP/SMAD Signaling. <i>Molecular Cancer Research</i> , 2022, 20, 1516-1531.	3.4	9
95	NF- κ B promotes the stem-like properties of leukemia cells by activation of LIN28B. <i>World Journal of Stem Cells</i> , 2018, 10, 34-42.	2.8	8
96	Functional characterization of selective exosite-binding inhibitors of matrix metalloproteinase-13 (MMP-13) – experimental validation in human breast and colon cancer. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 2122-2131.	1.3	7
97	OTUD4 enhances TGF β 2 signalling through regulation of the TGF β 2 receptor complex. <i>Scientific Reports</i> , 2020, 10, 15725.	3.3	7
98	Epigenetic derepression converts PPAR γ 3 into a druggable target in triple-negative and endocrine-resistant breast cancers. <i>Cell Death Discovery</i> , 2021, 7, 265.	4.7	7
99	A multi-ethnic analysis of immune-related gene expression signatures in patients with ovarian clear cell carcinoma. <i>Journal of Pathology</i> , 2021, 255, 285-295.	4.5	6
100	The H. pylori CagA Oncoprotein Induces DNA Double Strand Breaks through Fanconi Anemia Pathway Downregulation and Replication Fork Collapse. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1661.	4.1	6
101	Osteopontin (OPN/SPP1), a Mediator of Tumor Progression, Is Regulated by the Mesenchymal Transcription Factor Slug/SNAI2 in Colorectal Cancer (CRC). <i>Cells</i> , 2022, 11, 1808.	4.1	6
102	Data mining analysis to validate performance tuning practices for HPL. , 2009, , .		5
103	Rainfall intensity prediction by a spatial-temporal ensemble. , 2008, , .		4
104	Reply to Pontus Eriksson and Gottfrid Sjöndahl's Letter to the Editor re: Tuan Zea Tan, Mathieu Rouanne, Kien Thiam Tan, Ruby Yun-Ju Huang, Jean-Paul Thiery. Molecular Subtypes of Urothelial Bladder Cancer: Results from a Meta-cohort Analysis of 2411 Tumors. <i>Eur Urol</i> 2019;75:423–32. <i>European Urology</i> , 2019, 75, e108-e109.	1.9	4
105	Identification of serum cytokine clusters associated with outcomes in ovarian clear cell carcinoma. <i>Scientific Reports</i> , 2020, 10, 18503.	3.3	4
106	Response to: USP 26 regulates TGF β 2 signalling by deubiquitinating and stabilizing SMAD 7; not applicable in glioblastoma. <i>EMBO Reports</i> , 2020, 21, e47269.	4.5	2
107	Single-cell analysis of EphA clustering phenotypes to probe cancer cell heterogeneity. <i>Communications Biology</i> , 2020, 3, 429.	4.4	2
108	Whole Exome Sequencing of Multi-Regional Biopsies from Metastatic Lesions to Evaluate Actionable Truncal Mutations Using a Single-Pass Percutaneous Technique. <i>Cancers</i> , 2020, 12, 1599.	3.7	2

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109	Molecular Integrative Clustering of Asian Gastric Cell Lines Revealed Two Distinct Chemosensitivity Clusters. PLoS ONE, 2014, 9, e111146.	2.5	2
110	Case study: Digital spatial profiling of metastatic clear cell carcinoma reveals intra-tumor heterogeneity in epithelial-mesenchymal gradient. , 0, , .		1
111	A Decision Making System Based on Complementary Learning. Intelligent Systems Reference Library, 2010, , 163-179.	1.2	1
112	Abstract 2979: Epithelial-mesenchymal gene expression signature defines clinically relevant subtypes in epithelial ovarian cancer. , 2012, , .		1
113	Integrated molecular analysis of Asian ovarian cancer: Gene expression and whole exome sequencing analyses from the iPocc Translational Research study (TriPocc).. Journal of Clinical Oncology, 2018, 36, 5562-5562.	1.6	1
114	Super-Enhancer-Driven TOX2 Mediates Oncogenesis in Natural Killer/T Cell Lymphoma. Blood, 2020, 136, 17-17.	1.4	1
115	Abstract 1058: Grainyhead-like 2 regulates molecular subtype switching in epithelial ovarian cancer. , 2014, , .		0
116	Abstract POSTER-TECH-1112: Quantitate epithelial-mesenchymal transition in ovarian cancer. , 2015, , .		0
117	Abstract POSTER-BIOL-1301: The receptor tyrosine kinase AXL modulates oncogenic signaling and epithelial mesenchymal transition in epithelial ovarian cancer. , 2015, , .		0
118	Abstract 1430: Transcriptional regulatory loops among SNAI1, TWIST1, ZEB1, and ZEB2 defines the epithelial-mesenchymal transition (EMT) spectrum in epithelial ovarian cancer (EOC). , 2015, , .		0
119	Abstract A30: Frizzled-7 (FZD7)-mediated non-canonical Wnt-Planar Cell Polarity (PCP) signalling pathway as a novel molecular driver for the C5/Proliferative/Stem-A molecular subtype of ovarian cancer.. , 2016, , .		0
120	Sustained Gas6/AXL signaling network in the mes subtype of ovarian cancer as a molecular subtype specific therapeutic target.. Journal of Clinical Oncology, 2016, 34, e17084-e17084.	1.6	0