Olivier Elemento

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

365 papers	26,392 citations	78 h-index	158 g-index
402 ext. papers	34,532 ext. citations	12.8 avg, IF	6.93 L-index

#	Paper	IF	Citations
365	Extracellular Matrix in Synthetic Hydrogel-Based Prostate Cancer Organoids Regulate Therapeutic Response to EZH2 and DRD2 Inhibitors (Adv. Mater. 2/2022). *Advanced Materials*, **2022**, 34, 2270014	24	
364	Serial ctDNA analysis predicts clinical progression in patients with advanced urothelial carcinoma.. *British Journal of Cancer*, **2022**,	8.7	1
363	System-wide transcriptome damage and tissue identity loss in COVID-19 patients.. *Cell Reports Medicine*, **2022**, 3, 100522	18	2
362	Histone 3 Methyltransferases Alter Melanoma Initiation and Progression Through Discrete Mechanisms.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 814216	5.7	
361	Serial ctDNA evaluation to predict clinical progression in patients with advanced urothelial carcinoma.. *Journal of Clinical Oncology*, **2022**, 40, 532-532	2.2	
360	Simple Linear Cancer Risk Prediction Models With Novel Features Outperform Complex Approaches.. *JCO Clinical Cancer Informatics*, **2022**, 6, e2100166	5.2	
359	Abstract P2-06-03: Obesity is associated with DNA damage in the breast epithelium of BRCA1 and BRCA2 mutation carriers: A role for estrogens & strategies for prevention. *Cancer Research*, **2022**, 82, P2-06-03-P2-06-03	10.1	
358	Genomic instability is enriched in localized prostate cancers from men of African ancestry.. *Journal of Clinical Oncology*, **2022**, 40, 270-270	2.2	
357	Abstract P2-06-04: Pathognomonic long molecule footprints of backup repair pathways in homologous recombination deficient cancers. *Cancer Research*, **2022**, 82, P2-06-04-P2-06-04	10.1	
356	Association of circulating tumor cell RB1 loss RNA signature with outcomes and immune phenotypes in men with mCRPC.. *Journal of Clinical Oncology*, **2022**, 40, 139-139	2.2	
355	Abstract P5-05-02: Extracellular vesicles from obese human breast adipose tissue promote breast cancer cell proliferation by increasing mitochondrial mass and stimulating mitochondrial respiration. *Cancer Research*, **2022**, 82, P5-05-02-P5-05-02	10.1	
354	Utility of multimodality molecular profiling for pediatric patients with central nervous system tumors.. *Neuro-Oncology Advances*, **2022**, 4, vdac031	0.9	
353	RET Fusion-Positive Papillary Thyroid Cancers are Associated with a More Aggressive Phenotype.. *Annals of Surgical Oncology*, **2022**, 1	3.1	0
352	Global evolution of the tumor microenvironment associated with progression from preinvasive invasive to invasive human lung adenocarcinoma.. *Cell Reports*, **2022**, 39, 110639	10.6	1
351	Inflammatory Responses in the Placenta upon SARS-CoV-2 Infection Late in Pregnancy.. *IScience*, **2022**, 104223	6.1	6
350	ASO Visual Abstract: RET Fusion-Positive Papillary Thyroid Cancers are Associated with a More Aggressive Phenotype.. *Annals of Surgical Oncology*, **2022**, 1	3.1	
349	The lactate-NAD axis activates cancer-associated fibroblasts by downregulating p62.. *Cell Reports*, **2022**, 39, 110792	10.6	2

348	An activation to memory differentiation trajectory of tumor-infiltrating lymphocytes informs metastatic melanoma outcomes.. *Cancer Cell*, **2022**, 40, 524-544.e5	24.3	2
347	Alterations in transcriptional networks in cancer: the role of noncoding somatic driver mutations. *Current Opinion in Genetics and Development*, **2022**, 75, 101919	4.9	1
346	LGG-47. Single-cell RNA Sequencing Reveals Immunosuppressive Myeloid Cell Diversity During Malignant Progression in Glioma. *Neuro-Oncology*, **2022**, 24, i99-i99	1	
345	Metabolic and Immune Markers for Precise Monitoring of COVID-19 Severity and Treatment.. *Frontiers in Immunology*, **2021**, 12, 809937	8.4	4
344	Stage-specific regulation of DNA methylation by TET enzymes during human cardiac differentiation. *Cell Reports*, **2021**, 37, 110095	10.6	3
343	GCN2 kinase activation by ATP-competitive kinase inhibitors.. *Nature Chemical Biology*, **2021**,	11.7	2
342	Detecting neuroendocrine prostate cancer through tissue-informed cell-free DNA methylation analysis.. *Clinical Cancer Research*, **2021**,	12.9	1
341	Metastasis and Immune Evasion from Extracellular cGAMP Hydrolysis. *Cancer Discovery*, **2021**, 11, 1212-1227	24.4	29
340	Dynamic Immune Surveillance in Durable Clinical Response to Combined BTK and BCL2 Inhibition in MCL at Longitudinal Single-Cell Resolution. *Blood*, **2021**, 138, 1323-1323	2.2	
339	Selective STAT3 Degraders Dissect Peripheral T-Cell Lymphomas Vulnerabilities Empowering Personalized Regimens. *Blood*, **2021**, 138, 865-865	2.2	
338	Single Cell ATAC Lineage Deconvolution Reveals Overlapping Subclones in Epigenetically Distinct AML Samples. *Blood*, **2021**, 138, 2381-2381	2.2	
337	BTG1 Mutation Promotes Aggressive Lymphoma Development By Lowering the Threshold to MYC Activation and Generating "Super-Competitor" B Cells. *Blood*, **2021**, 138, 359-359	2.2	0
336	Molecular Evolution of Classical Hodgkin Lymphoma Revealed Though Whole Genome Sequencing of Hodgkin and Reed-Sternberg Cells. *Blood*, **2021**, 138, 805-805	2.2	
335	HHV-6 in the Lymphoma Microenvironment: Both Chicken and Egg?. *Blood*, **2021**, 138, 1377-1377	2.2	
334	High Rates of Remission with the Initial Treatment of Oral Azacitidine Plus CHOP for Peripheral T-Cell Lymphoma (PTCL): Clinical Outcomes and Biomarker Analysis of a Multi-Center Phase II Study. *Blood*, **2021**, 138, 138-138	2.2	0
333	285 Breaking through the resistance of breast cancer to immune checkpoint blockers in a unique mouse model of HR+ disease **2021**, 9, A309-A309		
332	FOXO1 Dependent Transcription Network Is a Targetable Vulnerability of Mantle Cell Lymphoma. *Blood*, **2021**, 138, 30-30	2.2	
331	A Predictive Endothelial-Leukemia Pre-Clinical Platform to Uncover Drug Vulnerabilities for Personalized Treatments. *Blood*, **2021**, 138, 704-704	2.2	

330	Profiling of immune dysfunction in COVID-19 patients allows early prediction of disease progression. *Life Science Alliance*, **2021**, 4,	5.8	25
329	Extracellular Matrix in Synthetic Hydrogel-Based Prostate Cancer Organoids Regulate Therapeutic Response to EZH2 and DRD2 Inhibitors. *Advanced Materials*, **2021**, e2100096	24	3
328	CLIP-170S is a microtubule+TIP variant that confers resistance to taxanes by impairing drug-target engagement. *Developmental Cell*, **2021**, 56, 3264-3275.e7	10.2	0
327	Prediction of primary venous thromboembolism based on clinical and genetic factors within the U.K. Biobank. *Scientific Reports*, **2021**, 11, 21340	4.9	0
326	Towards artificial intelligence-driven pathology assessment for hematological malignancies. *Blood Cancer Discovery*, **2021**, 2, 195-197	7	0
325	Genome-wide investigation identifies a rare copy-number variant burden associated with human spina bifida. *Genetics in Medicine*, **2021**, 23, 1211-1218	8.1	3
324	FSMP-10. CYSTEINE INDUCES CYTOTOXICITY IN GLIOBLASTOMA THROUGH MITOCHONDRIAL HYDROGEN PEROXIDE PRODUCTION. *Neuro-Oncology Advances*, **2021**, 3, i18-i18	0.9	78
323	Systemic Tissue and Cellular Disruption from SARS-CoV-2 Infection revealed in COVID-19 Autopsies and Spatial Omics Tissue Maps **2021**,		3
322	The spatial landscape of lung pathology during COVID-19 progression. *Nature*, **2021**, 593, 564-569	50.4	72
321	RNA-sequencing data-driven dissection of human plasma cell differentiation reveals new potential transcription regulators. *Leukemia*, **2021**, 35, 1451-1462	10.7	4
320	Artificial intelligence in oncology: From bench to clinic. *Seminars in Cancer Biology*, **2021**,	12.7	3
319	A molecular single-cell lung atlas of lethal COVID-19. *Nature*, **2021**, 595, 114-119	50.4	81
318	QSER1 protects DNA methylation valleys from de novo methylation. *Science*, **2021**, 372,	33.3	18
317	Artificial Intelligence in Cancer Research and Precision Medicine. *Cancer Discovery*, **2021**, 11, 900-915	24.4	26
316	Discovery of Candidate DNA Methylation Cancer Driver Genes. *Cancer Discovery*, **2021**, 11, 2266-2281	24.4	12
315	Deep learning predicts chromosomal instability from histopathology images. *IScience*, **2021**, 24, 102394	6.1	5
314	Leptin Mediates Obesity-Induced DNA Damage in BRCA1 Breast Epithelial Cells. *Journal of the Endocrine Society*, **2021**, 5, A1024-A1024	0.4	
313	Temporal evolution of cellular heterogeneity during the progression to advanced AR-negative prostate cancer. *Nature Communications*, **2021**, 12, 3372	17.4	3

312	Clinical utility of whole-genome sequencing in precision oncology. *Seminars in Cancer Biology*, **2021**,	12.7	7
311	Analytical demands to use whole-genome sequencing in precision oncology. *Seminars in Cancer Biology*, **2021**,	12.7	3
310	Blood biomarkers reflect the effects of obesity and inflammation on the human breast transcriptome. *Carcinogenesis*, **2021**, 42, 1281-1292	4.6	0
309	Clinical interpretation of whole-genome and whole-transcriptome sequencing for precision oncology. *Seminars in Cancer Biology*, **2021**,	12.7	3
308	Mutation landscape, clonal evolution pattern, and potential pathogenic pathways in B-lymphoblastic transformation of follicular lymphoma. *Leukemia*, **2021**, 35, 1203-1208	10.7	1
307	Integration of whole-exome and anchored PCR-based next generation sequencing significantly increases detection of actionable alterations in precision oncology. *Translational Oncology*, **2021**, 14, 100944	4.9	2
306	Histone H1 loss drives lymphoma by disrupting 3D chromatin architecture. *Nature*, **2021**, 589, 299-305	50.4	56
305	Leveraging phenotypic variability to identify genetic interactions in human phenotypes. *American Journal of Human Genetics*, **2021**, 108, 49-67	11	10
304	Limitations of Detecting Genetic Variants from the RNA Sequencing Data in Tissue and Fine-Needle Aspiration Samples. *Thyroid*, **2021**, 31, 589-595	6.2	4
303	Building biorepositories in the midst of a pandemic. *Journal of Clinical and Translational Science*, **2021**, 5, e92	0.4	2
302	Chemical systems biology reveals mechanisms of glucocorticoid receptor signaling. *Nature Chemical Biology*, **2021**, 17, 307-316	11.7	7
301	Single-cell DNA targeted sequencing (scDNA-seq) to test therapeutic vulnerabilities in urothelial cancer (UC) patient-derived organoids (PDO).. *Journal of Clinical Oncology*, **2021**, 39, 464-464	2.2	
300	Whole-genome characterization of lung adenocarcinomas lacking the RTK/RAS/RAF pathway. *Cell Reports*, **2021**, 34, 108707	10.6	7
299	Diet-regulated production of PDGFcc by macrophages controls energy storage. *Science*, **2021**, 373,	33.3	12
298	Functional comparison of exome capture-based methods for transcriptomic profiling of formalin-fixed paraffin-embedded tumors. *Npj Genomic Medicine*, **2021**, 6, 66	6.2	2
297	Validation of a Circulating Tumor DNA-Based Next-Generation Sequencing Assay in a Cohort of Patients with Solid tumors: A Proposed Solution for Decentralized Plasma Testing. *Oncologist*, **2021** , 26, e1971-e1981	5.7	1
296	The role of machine learning in clinical research: transforming the future of evidence generation. *Trials*, **2021**, 22, 537	2.8	9
295	Artificial intelligence in cancer research, diagnosis and therapy. *Nature Reviews Cancer*, **2021**, 21, 747-752	31.3	11

294	OCT2 pre-positioning facilitates cell fate transition and chromatin architecture changes in humoral immunity. *Nature Immunology*, **2021**, 22, 1327-1340	19.1	3
293	Reshaping of the androgen-driven chromatin landscape in normal prostate cells by early cancer drivers and effect on therapeutic sensitivity. *Cell Reports*, **2021**, 36, 109625	10.6	4
292	Cohesin Core Complex Gene Dosage Contributes to Germinal Center Derived Lymphoma Phenotypes and Outcomes. *Frontiers in Immunology*, **2021**, 12, 688493	8.4	2
291	Dissecting bulk transcriptomes of diffuse large B cell lymphoma. *Cancer Cell*, **2021**, 39, 1305-1307	24.3	1
290	The NF-B Transcriptional Footprint Is Essential for SARS-CoV-2 Replication. *Journal of Virology*, **2021**, 95, e0125721	6.6	11
289	A polygenic-score-based approach for identification of gene-drug interactions stratifying breast cancer risk. *American Journal of Human Genetics*, **2021**, 108, 1752-1764	11	1
288	Multi-platform profiling characterizes molecular subgroups and resistance networks in chronic lymphocytic leukemia. *Nature Communications*, **2021**, 12, 5395	17.4	1
287	Smc3 dosage regulates B cell transit through germinal centers and restricts their malignant transformation. *Nature Immunology*, **2021**, 22, 240-253	19.1	12
286	Systems biology analysis of human genomes points to key pathways conferring spina bifida risk.. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	3
285	Pan-cancer analysis reveals molecular patterns associated with age. *Cell Reports*, **2021**, 37, 110100	10.6	0
284	Precision medicine and artificial intelligence: overview and relevance to reproductive medicine. *Fertility and Sterility*, **2020**, 114, 908-913	4.8	6
283	Predictive modeling in reproductive medicine: Where will the future of artificial intelligence research take us?. *Fertility and Sterility*, **2020**, 114, 934-940	4.8	9
282	Identification of Distinct Heterogenic Subtypes and Molecular Signatures Associated with African Ancestry in Triple Negative Breast Cancer Using Quantified Genetic Ancestry Models in Admixed Race Populations. *Cancers*, **2020**, 12,	6.6	8
281	Demographic and genetic factors influence the abundance of infiltrating immune cells in human tissues. *Nature Communications*, **2020**, 11, 2213	17.4	11
280	Building an international consortium for tracking coronavirus health status. *Nature Medicine*, **2020**, 26, 1161-1165	50.5	16
279	Mutant EZH2 Induces a Pre-malignant Lymphoma Niche by Reprogramming the Immune Response. *Cancer Cell*, **2020**, 37, 655-673.e11	24.3	47
278	Lineage Reversion Drives WNT Independence in Intestinal Cancer. *Cancer Discovery*, **2020**, 10, 1590-1609	24.4	16
277	The INPP4B Tumor Suppressor Modulates EGFR Trafficking and Promotes Triple-Negative Breast Cancer. *Cancer Discovery*, **2020**, 10, 1226-1239	24.4	12

276	Single-Cell Analysis of the Muscle Stem Cell Hierarchy Identifies Heterotypic Communication Signals Involved in Skeletal Muscle Regeneration. *Cell Reports*, **2020**, 30, 3583-3595.e5	10.6	84
275	SLFN11 Expression in Advanced Prostate Cancer and Response to Platinum-based Chemotherapy. *Molecular Cancer Therapeutics*, **2020**, 19, 1157-1164	6.1	23
274	Computational methods in tumor immunology. *Methods in Enzymology*, **2020**, 636, 209-259	1.7	1
273	A harmonized meta-knowledgebase of clinical interpretations of somatic genomic variants in cancer. *Nature Genetics*, **2020**, 52, 448-457	36.3	58
272	Tumor Microenvironment Is Critical for the Maintenance of Cellular States Found in Primary Glioblastomas. *Cancer Discovery*, **2020**, 10, 964-979	24.4	57
271	TBL1XR1 Mutations Drive Extranodal Lymphoma by Inducing a Pro-tumorigenic Memory Fate. *Cell*, **2020**, 182, 297-316.e27	56.2	23
270	Small Cell Carcinoma of the Ovary, Hypercalcemic Type (SCCOHT) beyond Mutations: A Comprehensive Genomic Analysis. *Cells*, **2020**, 9,	7.9	14
269	Multicenter Phase II Study of Cabazitaxel in Advanced Gastroesophageal Cancer: Association of HER2 Expression and M2-Like Tumor-Associated Macrophages with Patient Outcome. *Clinical Cancer Research*, **2020**, 26, 4756-4766	12.9	6
268	A reference single-cell transcriptomic atlas of human skeletal muscle tissue reveals bifurcated muscle stem cell populations. *Skeletal Muscle*, **2020**, 10, 19	5.1	39
267	The aging skin microenvironment dictates stem cell behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 5339-5350	11.5	32
266	Inhibition of EZH2 Catalytic Activity Selectively Targets a Metastatic Subpopulation in Triple-Negative Breast Cancer. *Cell Reports*, **2020**, 30, 755-770.e6	10.6	30
265	Stable reduction of STARD4 alters cholesterol regulation and lipid homeostasis. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2020**, 1865, 158609	5	7
264	Integrative multiplatform molecular profiling of benign prostatic hyperplasia identifies distinct subtypes. *Nature Communications*, **2020**, 11, 1987	17.4	14
263	EXTH-74. IND-ENABLING CHARACTERIZATION OF DUAL DRD2- AND ClpP-TARGETING AGENT ONC206 AS THE NEXT IMIPRIDONE FOR CLINICAL NEURO-ONCOLOGY. *Neuro-Oncology*, **2020**, 22, ii103-ii103	1	1
262	Robust Discovery of Candidate DNA Methylation Cancer Drivers. *Blood*, **2020**, 136, 33-34	2.2	
261	TAMI-38. CYSTEINE-PROMOTING COMPOUNDS INDUCE MITOCHONDRIAL TOXICITY IN GLIOBLASTOMA THROUGH ALTERED PYRUVATE AND SERINE METABOLISM. *Neuro-Oncology*, **2020** , 22, ii221-ii221	1	
260	Circulating tumor DNA profile recognizes transformation to castration-resistant neuroendocrine prostate cancer. *Journal of Clinical Investigation*, **2020**, 130, 1653-1668	15.9	56
259	Clinical, regional, and genetic characteristics of Covid-19 patients from UK Biobank. *PLoS ONE*, **2020** , 15, e0241264	3.7	20

258	Performance Characteristics of a Targeted Sequencing Platform for Simultaneous Detection of Single Nucleotide Variants, Insertions/Deletions, Copy Number Alterations, and Gene Fusions in Cancer Genome. *Archives of Pathology and Laboratory Medicine*, **2020**, 144, 1535-1546	5	4
257	Epithelial plasticity can generate multi-lineage phenotypes in human and murine bladder cancers. *Nature Communications*, **2020**, 11, 2540	17.4	15
256	The future of precision medicine: towards a more predictive personalized medicine. *Emerging Topics in Life Sciences*, **2020**, 4, 175-177	3.5	5
255	Urinary Cell Transcriptome Profiling and Identification of ITM2A, SLAMF6, and IKZF3 as Biomarkers of Acute Rejection in Human Kidney Allografts. *Transplantation Direct*, **2020**, 6, e588	2.3	4
254	Clinical and Genetic Characteristics of Covid-19 Patients from UK Biobank **2020**,		5
253	Longitudinal immune profiling of mild and severe COVID-19 reveals innate and adaptive immune dysfunction and provides an early prediction tool for clinical progression **2020**,		7
252	Differential Contributions of Pre- and Post-EMT Tumor Cells in Breast Cancer Metastasis. *Cancer Research*, **2020**, 80, 163-169	10.1	33
251	Distinct Classes of Complex Structural Variation Uncovered across Thousands of Cancer Genome Graphs. *Cell*, **2020**, 183, 197-210.e32	56.2	45
250	High-resolution mouse subventricular zone stem-cell niche transcriptome reveals features of lineage, anatomy, and aging. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 31448-31458	11.5	13
249	Unique Immune Cell Coactivators Specify Locus Control Region Function and Cell Stage. *Molecular Cell*, **2020**, 80, 845-861.e10	17.6	9
248	Common germline-somatic variant interactions in advanced urothelial cancer. *Nature Communications*, **2020**, 11, 6195	17.4	6
247	Selective dysregulation of ROCK2 activity promotes aberrant transcriptional networks in ABC diffuse large B-cell lymphoma. *Scientific Reports*, **2020**, 10, 13094	4.9	1
246	A machine learning and network framework to discover new indications for small molecules. *PLoS Computational Biology*, **2020**, 16, e1008098	5	8
245	Single-cell profiling reveals an endothelium-mediated immunomodulatory pathway in the eye choroid. *Journal of Experimental Medicine*, **2020**, 217,	16.6	19
244	Adaptable haemodynamic endothelial cells for organogenesis and tumorigenesis. *Nature*, **2020**, 585, 426-432	50.4	54
243	Graph convolutional networks for computational drug development and discovery. *Briefings in Bioinformatics*, **2020**, 21, 919-935	13.4	87
242	Exploring tumor clonal evolution in bone marrow of patients with diffuse large B-cell lymphoma by deep IGH sequencing and its potential relevance in relapse. *Blood Cancer Journal*, **2019**, 9, 69	7	2
241	Clinical features of neuroendocrine prostate cancer. *European Journal of Cancer*, **2019**, 121, 7-18	7.5	79

240	Cancer-Specific Thresholds Adjust for Whole Exome Sequencing-based Tumor Mutational Burden Distribution. *JCO Precision Oncology*, **2019**, 3,	3.6	8
239	Integrative Molecular Analysis of Patients With Advanced and Metastatic Cancer. *JCO Precision Oncology*, **2019**, 3,	3.6	15
238	The Transcriptional Regulator Sin3A Contributes to the Oncogenic Potential of STAT3. *Cancer Research*, **2019**, 79, 3076-3087	10.1	20
237	Imipridone ONC212 activates orphan G protein-coupled receptor GPR132 and integrated stress response in acute myeloid leukemia. *Leukemia*, **2019**, 33, 2805-2816	10.7	21
236	Radiation therapy and anti-tumor immunity: exposing immunogenic mutations to the immune system. *Genome Medicine*, **2019**, 11, 40	14.4	94
235	Function and clinical relevance of RHAMM isoforms in pancreatic tumor progression. *Molecular Cancer*, **2019**, 18, 92	42.1	19
234	A Recurrent Activating Missense Mutation in Waldenström Macroglobulinemia Affects the DNA Binding of the ETS Transcription Factor SPI1 and Enhances Proliferation. *Cancer Discovery*, **2019**, 9, 796-811	24.4	11
233	Dynamic transcriptome profiles within spermatogonial and spermatocyte populations during postnatal testis maturation revealed by single-cell sequencing. *PLoS Genetics*, **2019**, 15, e1007810	6	47
232	Comprehensive characterization of the mutational landscape in multiple myeloma cell lines reveals potential drivers and pathways associated with tumor progression and drug resistance. *Theranostics*, **2019**, 9, 540-553	12.1	28
231	Precision Targeting with EZH2 and HDAC Inhibitors in Epigenetically Dysregulated Lymphomas. *Clinical Cancer Research*, **2019**, 25, 5271-5283	12.9	38
230	CHD1 Loss Alters AR Binding at Lineage-Specific Enhancers and Modulates Distinct Transcriptional Programs to Drive Prostate Tumorigenesis. *Cancer Cell*, **2019**, 35, 603-617.e8	24.3	29
229	Deep learning enables robust assessment and selection of human blastocysts after in vitro fertilization. *Npj Digital Medicine*, **2019**, 2, 21	15.7	126
228	Generation of pulmonary neuroendocrine cells and SCLC-like tumors from human embryonic stem cells. *Journal of Experimental Medicine*, **2019**, 216, 674-687	16.6	47
227	Obesity-Associated Extracellular Matrix Remodeling Promotes a Macrophage Phenotype Similar to Tumor-Associated Macrophages. *American Journal of Pathology*, **2019**, 189, 2019-2035	5.8	38
226	The Missing Pieces of Artificial Intelligence in Medicine. *Trends in Pharmacological Sciences*, **2019**, 40, 555-564	13.2	26
225	Upper tract urothelial carcinoma has a luminal-papillary T-cell depleted contexture and activated FGFR3 signaling. *Nature Communications*, **2019**, 10, 2977	17.4	71
224	3055 Reconstruction of Patient-specific Distal Airway Regeneration Patterns in COPD. *Journal of Clinical and Translational Science*, **2019**, 3, 154-154	0.4	78
223	Organotypic tumor slice cultures provide a versatile platform for immuno-oncology and drug discovery. *OncoImmunology*, **2019**, 8, e1670019	7.2	24

222	N-Myc-mediated epigenetic reprogramming drives lineage plasticity in advanced prostate cancer. *Journal of Clinical Investigation*, **2019**, 129, 3924-3940	15.9	55
221	Clinical and molecular analysis of patients treated with prostate-specific membrane antigen (PSMA)-targeted radionuclide therapy.. *Journal of Clinical Oncology*, **2019**, 37, 272-272	2.2	5
220	UCHL1 loss alters the cell-cycle in metastatic pancreatic neuroendocrine tumors. *Endocrine-Related Cancer*, **2019**, 26, 411-423	5.7	9
219	Oncogenic Addiction to ERBB2 Signaling Predicts Response to Trastuzumab in Urothelial Cancer. *Journal of the National Comprehensive Cancer Network: JNCCN*, **2019**, 17, 194-200	7.3	3
218	The genomic landscape of metastatic clear cell renal cell carcinoma (ccRCC) after treatment with systemic therapy.. *Journal of Clinical Oncology*, **2019**, 37, 675-675	2.2	
217	SAT-339 Cross-Talk with Breast Adipose Tissue Contributes to Obesity-induced DNA Damage in BRCA Mutant Breast Epithelial Cells. *Journal of the Endocrine Society*, **2019**, 3,	0.4	78
216	Heterogeneous Genetic Alterations and Novel Pathogenic Pathways in Relapsed DLBCL Revealed By Whole Exome Sequencing. *Blood*, **2019**, 134, 2770-2770	2.2	
215	The DNA Helicase Hells Is a New Unconventional Player in ALK- Anaplastic Large Cell Lymphoma Biology. *Blood*, **2019**, 134, 1477-1477	2.2	
214	Immune Sculpting of Clonal Hematopoiesis in Advanced and Metastatic Solid Tumors. *Blood*, **2019**, 134, 3721-3721	2.2	
213	Long non-coding RNAs discriminate the stages and gene regulatory states of human humoral immune response. *Nature Communications*, **2019**, 10, 821	17.4	49
212	A Bayesian machine learning approach for drug target identification using diverse data types. *Nature Communications*, **2019**, 10, 5221	17.4	85
211	EXTH-71. IND-ENABLING CHARACTERIZATION OF ONC206 AS THE NEXT BITOPIC DRD2 ANTAGONIST FOR NEURO-ONCOLOGY. *Neuro-Oncology*, **2019**, 21, vi97-vi97	1	1
210	Deep learning-based classification of mesothelioma improves prediction of patient outcome. *Nature Medicine*, **2019**, 25, 1519-1525	50.5	132
209	Dopamine Receptor D5 is a Modulator of Tumor Response to Dopamine Receptor D2 Antagonism. *Clinical Cancer Research*, **2019**, 25, 2305-2313	12.9	27
208	Drug-Induced Expression-Based Computational Repurposing of Small Molecules Affecting Transcription Factor Activity. *Methods in Molecular Biology*, **2019**, 1903, 179-184	1.4	1
207	Revisiting the initial steps of sexual development in the malaria parasite Plasmodium falciparum. *Nature Microbiology*, **2019**, 4, 144-154	26.6	57
206	Prostaglandin E down-regulates sirtuin 1 (SIRT1), leading to elevated levels of aromatase, providing insights into the obesity-breast cancer connection. *Journal of Biological Chemistry*, **2019**, 294, 361-371	5.4	10
205	Predicting peptide presentation by major histocompatibility complex class I: an improved machine learning approach to the immunopeptidome. *BMC Bioinformatics*, **2019**, 20, 7	3.6	19

204	Epigenetic analysis identifies factors driving racial disparity in prostate cancer. *Cancer Reports*, **2019**, 2, e1153	1.5	6
203	TETs Regulate Proepicardial Cell Migration through Extracellular Matrix Organization during Zebrafish Cardiogenesis. *Cell Reports*, **2019**, 26, 720-732.e4	10.6	15
202	Rapid identification of BCR/ABL1-like acute lymphoblastic leukaemia patients using a predictive statistical model based on quantitative real time-polymerase chain reaction: clinical, prognostic and therapeutic implications. *British Journal of Haematology*, **2018**, 181, 642-652	4.5	31
201	A Randomized Multicenter Phase II Study of Docosahexaenoic Acid in Patients with a History of Breast Cancer, Premalignant Lesions, or Benign Breast Disease. *Cancer Prevention Research*, **2018**, 11, 203-214	3.2	11
200	Chromosomal instability drives metastasis through a cytosolic DNA response. *Nature*, **2018**, 553, 467-472	50.4	536
199	AICDA drives epigenetic heterogeneity and accelerates germinal center-derived lymphomagenesis. *Nature Communications*, **2018**, 9, 222	17.4	34
198	Analyzing DNA Methylation Patterns During Tumor Evolution. *Methods in Molecular Biology*, **2018**, 1711, 27-53	1.4	1
197	Bioinformatics Approaches to Predict Drug Responses from Genomic Sequencing. *Methods in Molecular Biology*, **2018**, 1711, 277-296	1.4	7
196	HN1L Promotes Triple-Negative Breast Cancer Stem Cells through LEPR-STAT3 Pathway. *Stem Cell Reports*, **2018**, 10, 212-227	8	32
195	Bone biopsy protocol for advanced prostate cancer in the era of precision medicine. *Cancer*, **2018**, 124, 1008-1015	6.4	24
194	Deep Convolutional Neural Networks Enable Discrimination of Heterogeneous Digital Pathology Images. *EBioMedicine*, **2018**, 27, 317-328	8.8	152
193	Phosphatidylinositol-5-Phosphate 4-Kinases Regulate Cellular Lipid Metabolism By Facilitating Autophagy. *Molecular Cell*, **2018**, 70, 531-544.e9	17.6	35
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10	A New Big-Data Paradigm for Target Identification and Drug Discovery		9
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