Zlatko Trajanoski

List of Publications by Year
in descending order

114 papers	30,986 citations

44069

48 h-index	

24258

110 g-index

123 all docs	123 docs citations	123 times ranked	44379 citing authors

#	Article	IF	Citations
1	Interleukin-11 drives human and mouse alcohol-related liver disease. Gut, 2023, 72, 168-179.	12.1	13
2	Epithelial X-Box Binding Protein 1 Coordinates Tumor Protein p53-Driven DNA Damage Responses and Suppression of Intestinal Carcinogenesis. Gastroenterology, 2022, 162, 223-237.e11.	1.3	15
3	<scp>NKG2A</scp> is a late immune checkpoint on <scp>CD8</scp> T cells and marks repeated stimulation and cell division. International Journal of Cancer, 2022, 150, 688-704.	5.1	22
4	CD161 expression and regulation defines rapidly responding effector CD4+ T cells associated with improved survival in HPV16-associated tumors. , 2022, 10, e003995.		16
5	Tumor-specific T cells support chemokine-driven spatial organization of intratumoral immune microaggregates needed for long survival. , 2022, 10, e004346.		15
6	Comprehensive Analysis of R-Spondin Fusions and <i>RNF43</i> Mutations Implicate Novel Therapeutic Options in Colorectal Cancer. Clinical Cancer Research, 2022, 28, 1863-1870.	7.0	16
7	EMT-related transcription factors and protein stabilization mechanisms involvement in cadherin switch of head and neck squamous cell carcinoma. Experimental Cell Research, 2022, 414, 113084.	2.6	9
8	nextNEOpi: a comprehensive pipeline for computational neoantigen prediction. Bioinformatics, 2022, 38, 1131-1132.	4.1	17
9	Skin dendritic cells in melanoma are key for successful checkpoint blockade therapy. , 2021, 9, e000832.		23
10	MYC-Mediated Ribosomal Gene Expression Sensitizes Enzalutamide-resistant Prostate Cancer Cells to EP300/CREBBP Inhibitors. American Journal of Pathology, 2021, 191, 1094-1107.	3.8	14
11	A vision of immuno-oncology: the Siena think tank of the Italian network for tumor biotherapy (NIBIT) foundation. Journal of Experimental and Clinical Cancer Research, 2021, 40, 240.	8.6	3
12	Cardiopulmonary recovery after COVID-19: an observational prospective multicentre trial. European Respiratory Journal, 2021, 57, 2003481.	6.7	313
13	Computational cancer neoantigen prediction: current status and recent advances. Immuno-Oncology Technology, 2021, 12, 100052.	0.3	14
14	35â€¦Chemokine-driven spatial organization of immune cell microaggregates marks oropharyngeal squamous cell carcinomas containing tumor-specific T cells. , 2021, 9, A41-A41.		0
15	LAMTOR/Ragulator regulates lipid metabolism in macrophages and foam cell differentiation. FEBS Letters, 2020, 594, 31-42.	2.8	7
16	NeoFuse: predicting fusion neoantigens from RNA sequencing data. Bioinformatics, 2020, 36, 2260-2261.	4.1	32
17	Scirpy: a Scanpy extension for analyzing single-cell T-cell receptor-sequencing data. Bioinformatics, 2020, 36, 4817-4818.	4.1	88
18	CD39 Identifies the CD4+ Tumor-Specific T-cell Population in Human Cancer. Cancer Immunology Research, 2020, 8, 1311-1321.	3.4	84

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19	Mitochondrial DNA drives abscopal responses to radiation that are inhibited by autophagy. Nature Immunology, 2020, 21, 1160-1171.	14.5	214
20	Artificial intelligence and cancer. Nature Cancer, 2020, 1, 149-152.	13.2	26
21	Tumour-infiltrating lymphocytes (TILs) and BRCA-like status in stage III breast cancer patients randomised to adjuvant intensified platinum-based chemotherapy versus conventional chemotherapy. European Journal of Cancer, 2020, 127, 240-250.	2.8	21
22	IDO1+ Paneth cells promote immune escape of colorectal cancer. Communications Biology, 2020, 3, 252.	4.4	26
23	Advancing cancer immunotherapy: a vision for the field. Genome Medicine, 2019, 11, 51.	8.2	12
24	Next-generation computational tools for interrogating cancer immunity. Nature Reviews Genetics, 2019, 20, 724-746.	16.3	131
25	Molecular and pharmacological modulators of the tumor immune contexture revealed by deconvolution of RNA-seq data. Genome Medicine, 2019, 11, 34.	8.2	732
26	Microbial Colonization in Adulthood Shapes the Intestinal Macrophage Compartment. Journal of Crohn's and Colitis, 2019, 13, 1173-1185.	1.3	5
27	A Variant of a Killer Cell Immunoglobulin-like Receptor Is Associated with Resistance to PD-1 Blockade in Lung Cancer. Clinical Cancer Research, 2019, 25, 3026-3034.	7.0	29
28	Mutational and Antigenic Landscape in Tumor Progression and Cancer Immunotherapy. Trends in Cell Biology, 2019, 29, 396-416.	7.9	66
29	Guadecitabine Plus Ipilimumab in Unresectable Melanoma: The NIBIT-M4 Clinical Trial. Clinical Cancer Research, 2019, 25, 7351-7362.	7.0	61
30	Safety and immunobiological activity of guadecitabine sequenced with ipilimumab in metastatic melanoma patients: The phase Ib NIBIT-M4 study.. Journal of Clinical Oncology, 2019, 37, 2549-2549.	1.6	0
31	Nuclear receptor NR2F6 inhibition potentiates responses to PD-L1/PD-1 cancer immune checkpoint blockade. Nature Communications, 2018, 9, 1538.	12.8	49
32	Targeting immune checkpoints potentiates immunoediting and changes the dynamics of tumor evolution. Nature Communications, 2018, 9, 32.	12.8	193
33	Quantifying tumor-infiltrating immune cells from transcriptomics data. Cancer Immunology, Immunotherapy, 2018, 67, 1031-1040.	4.2	292
34	Intratumoral HPV16-Specific T Cells Constitute a Type Iâ€"Oriented Tumor Microenvironment to Improve Survival in HPV16-Driven Oropharyngeal Cancer. Clinical Cancer Research, 2018, 24, 634-647.	7.0	128
35	Adoptive T Cell Therapy: New Avenues Leading to Safe Targets and Powerful Allies. Trends in Immunology, 2018, 39, 921-936.	6.8	35
36	New strategies for cancer immunotherapy: targeting regulatory T cells. Genome Medicine, 2017, 9, 10.	8.2	62

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37	Pan-cancer Immunogenomic Analyses Reveal Genotype-Immunophenotype Relationships and Predictors of Response to Checkpoint Blockade. Cell Reports, 2017, 18, 248-262.	6.4	2,953
38	TIminer: NGS data mining pipeline for cancer immunology and immunotherapy. Bioinformatics, 2017, 33, 3140-3141.	4.1	68
39	Neoantigens Generated by Individual Mutations and Their Role in Cancer Immunity and Immunotherapy. Frontiers in Immunology, 2017, 8, 1679.	4.8	171
40	3D-cultivation of NSCLC cell lines induce gene expression alterations of key cancer-associated pathways and mimic<i>in-vivo</i>conditions. Oncotarget, 2017, 8, 112647-112661.	1.8	13
41	Impact of the Chromatin Remodeling Factor CHD1 on Gut Microbiome Composition of Drosophila melanogaster. PLoS ONE, 2016, 11, e0153476.	2.5	11
42	Computational genomics tools for dissecting tumour–immune cell interactions. Nature Reviews Genetics, 2016, 17, 441-458.	16.3	233
43	Differential cytokine sensitivities of STAT5-dependent enhancers rely onStat5autoregulation. Nucleic Acids Research, 2016, 44, gkw844.	14.5	21
44	TIS7 induces transcriptional cascade of methylosome components required for muscle differentiation. BMC Biology, 2016, 14, 95.	3.8	4
45	Integrative Analyses of Colorectal Cancer Show Immunoscore Is a Stronger Predictor of Patient Survival Than Microsatellite Instability. Immunity, 2016, 44, 698-711.	14.3	814
46	The colorectal cancer immune paradox revisited. OncoImmunology, 2016, 5, e1078058.	4.6	12
47	Serum Autoantibodies in Chronic Prostate Inflammation in Prostate Cancer Patients. PLoS ONE, 2016, 11, e0147739.	2.5	13
48	Loss of adipose triglyceride lipase is associated with human cancer and induces mouse pulmonary neoplasia. Oncotarget, 2016, 7, 33832-33840.	1.8	63
49	Indoleamine 2,3-Dioxygenase (IDO1) Levels and Activity Are Increased in Early Chronic Phase Chronic Myelogenous Leukemia (CML-CP) and Correlate with Molecular Response to Nilotinib Therapy. Blood, 2016, 128, 1912-1912.	1.4	0
50	Immediate T-Helper 17 Polarization Upon Triggering CD11b/c on HIV-Exposed Dendritic Cells. Journal of Infectious Diseases, 2015, 212, 44-56.	4.0	22
51	Somatically mutated tumor antigens in the quest for a more efficacious patient-oriented immunotherapy of cancer. Cancer Immunology, Immunotherapy, 2015, 64, 99-104.	4.2	32
52	miR-22 and miR-29a Are Members of the Androgen Receptor Cistrome Modulating LAMC1 and Mcl-1 in Prostate Cancer. Molecular Endocrinology, 2015, 29, 1037-1054.	3.7	69
53	Characterization of the immunophenotypes and antigenomes of colorectal cancers reveals distinct tumor escape mechanisms and novel targets for immunotherapy. Genome Biology, 2015, 16, 64.	8.8	433
54	The coordinated action of the MVB pathway and autophagy ensures cell survival during starvation. ELife, 2015, 4, e07736.	6.0	102

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55	Personalized Oncology Suite: integrating next-generation sequencing data and whole-slide bioimages. BMC Bioinformatics, 2014, 15, 306.	2.6	10
56	SeqBench: Integrated solution for the management and analysis of exome sequencing data. BMC Research Notes, 2014, 7, 43.	1.4	10
57	Co-expressed genes prepositioned in spatial neighborhoods stochastically associate with SC35 speckles and RNA polymerase II factories. Cellular and Molecular Life Sciences, 2014, 71, 1741-1759.	5.4	40
58	A survey of tools for variant analysis of next-generation genome sequencing data. Briefings in Bioinformatics, 2014, 15, 256-278.	6.5	480
59	High STAT1 mRNA levels but not its tyrosine phosphorylation are associated with macrophage infiltration and bad prognosis in breast cancer. BMC Cancer, 2014, 14, 257.	2.6	65
60	Spatiotemporal Dynamics of Intratumoral Immune Cells Reveal the Immune Landscape in Human Cancer. Immunity, 2013, 39, 782-795.	14.3	2,983
61	Mathematical models for translational and clinical oncology. Journal of Clinical Bioinformatics, 2013, 3, 23.	1.2	14
62	Nr4a1 Is Required for Fasting-Induced Down-Regulation of Pparî³2 in White Adipose Tissue. Molecular Endocrinology, 2013, 27, 135-149.	3.7	25
63	Bioinformatics for cancer immunology and immunotherapy. Cancer Immunology, Immunotherapy, 2012, 61, 1885-1903.	4.2	40
64	Mutations in ROGDI Cause Kohlschütter-Tönz Syndrome. American Journal of Human Genetics, 2012, 90, 701-707.	6.2	58
65	SIMPLEX: Cloud-Enabled Pipeline for the Comprehensive Analysis of Exome Sequencing Data. PLoS ONE, 2012, 7, e41948.	2.5	38
66	Transcription factories. Frontiers in Genetics, 2012, 3, 221.	2.3	83
67	Histopathologic-Based Prognostic Factors of Colorectal Cancers Are Associated With the State of the Local Immune Reaction. Journal of Clinical Oncology, 2011, 29, 610-618.	1.6	864
68	Transcriptional regulatory program in wild-type and retinoblastoma gene-deficient mouse embryonic fibroblasts during adipocyte differentiation. BMC Research Notes, 2011, 4, 157.	1.4	10
69	Evolution of genomic instability in diethylnitrosamine-induced hepatocarcinogenesis in mice. Hepatology, 2011, 53, 895-904.	7.3	47
70	Proteomic analysis of human cataract aqueous humour: Comparison of one-dimensional gel LCMS with two-dimensional LCMS of unlabelled and iTRAQ®-labelled specimens. Journal of Proteomics, 2011, 74, 151-166.	2.4	79
71	Adipose Triglyceride Lipase and Hormone-Sensitive Lipase Are Involved in Fat Loss in JunB-Deficient Mice. Endocrinology, 2011, 152, 2678-2689.	2.8	12
72	Arxes: retrotransposed genes required for adipogenesis. Nucleic Acids Research, 2011, 39, 3224-3239.	14.5	15

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73	microRNAs in acute myeloid leukemia: Expression patterns, correlations with genetic and clinical parameters, and prognostic significance. Genes Chromosomes and Cancer, 2010, 49, 193-203.	2.8	18
74	Reconstruction of gene association network reveals a transmembrane protein required for adipogenesis and targeted by PPARÎ³. Cellular and Molecular Life Sciences, 2010, 67, 4049-4064.	5.4	38
75	Information technology solutions for integration of biomolecular and clinical data in the identification of new cancer biomarkers and targets for therapy. , 2010, 128, 488-498.		13
76	Hypochlorite modification of sphingomyelin generates chlorinated lipid species that induce apoptosis and proteome alterations in dopaminergic PC12 neurons in vitro. Free Radical Biology and Medicine, 2010, 48, 1588-1600.	2.9	47
77	MASPECTRAS 2: An integration and analysis platform for proteomic data. Proteomics, 2010, 10, 2719-2722.	2.2	20
78	miRâ€17, miRâ€19b, miRâ€20a, and miRâ€106a are downâ€regulated in human aging. Aging Cell, 2010, 9, 291-296.	6.7	338
79	Identification of evolutionarily conserved genetic regulators of cellular aging. Aging Cell, 2010, 9, 1084-1097.	6.7	57
80	Activin A Plays a Critical Role in Proliferation and Differentiation of Human Adipose Progenitors. Diabetes, 2010, 59, 2513-2521.	0.6	140
81	Identification of differential and functionally active miRNAs in both anaplastic lymphoma kinase (ALK)⁺ and ALK^{â˜} anaplastic large-cell lymphoma. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16228-16233.	7.1	108
82	Biomolecular Network Reconstruction Identifies T-Cell Homing Factors Associated With Survival in Colorectal Cancer. Gastroenterology, 2010, 138, 1429-1440.	1.3	280
83	ClueGO: a Cytoscape plug-in to decipher functionally grouped gene ontology and pathway annotation networks. Bioinformatics, 2009, 25, 1091-1093.	4.1	5,348
84	Identification of small gains and losses in single cells after whole genome amplification on tiling oligo arrays. Nucleic Acids Research, 2009, 37, e105-e105.	14.5	65
85	In Situ Cytotoxic and Memory T Cells Predict Outcome in Patients With Early-Stage Colorectal Cancer. Journal of Clinical Oncology, 2009, 27, 5944-5951.	1.6	822
86	QPCR: Application for real-time PCR data management and analysis. BMC Bioinformatics, 2009, 10, 268.	2.6	55
87	Coordination of Intratumoral Immune Reaction and Human Colorectal Cancer Recurrence. Cancer Research, 2009, 69, 2685-2693.	0.9	262
88	Novel Insights into Adipogenesis from Omics Data. Current Medicinal Chemistry, 2009, 16, 2952-2964.	2.4	35
89	Arsenic trioxide induces apoptosis preferentially in B-CLL cells of patients with unfavourable prognostic factors including del17p13. Journal of Molecular Medicine, 2008, 86, 541-552.	3.9	24
90	Oxytocin Controls Differentiation of Human Mesenchymal Stem Cells and Reverses Osteoporosis. Stem Cells, 2008, 26, 2399-2407.	3.2	170

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91	Comparative transcriptomics of human multipotent stem cells during adipogenesis and osteoblastogenesis. BMC Genomics, 2008, 9, 340.	2.8	91
92	Differential transcriptional modulation of biological processes in adipocyte triglyceride lipase and hormone-sensitive lipase-deficient mice. Genomics, 2008, 92, 26-32.	2.9	36
93	Stathmin-like 2, a developmentally-associated neuronal marker, is expressed and modulated during osteogenesis of human mesenchymal stem cells. Biochemical and Biophysical Research Communications, 2008, 374, 64-68.	2.1	31
94	Organization of chromatin and histone modifications at a transcription site. Journal of Cell Biology, 2007, 177, 957-967.	5.2	29
95	The phosphatidylethanolamine level of yeast mitochondria is affected by the mitochondrial components Oxa1p and Yme1p. FEBS Journal, 2007, 274, 6180-6190.	4.7	43
96	MASPECTRAS: a platform for management and analysis of proteomics LC-MS/MS data. BMC Bioinformatics, 2007, 8, 197.	2.6	37
97	A new platform linking chromosomal and sequence information. Chromosome Research, 2007, 15, 327-39.	2.2	7
98	Type, Density, and Location of Immune Cells Within Human Colorectal Tumors Predict Clinical Outcome. Science, 2006, 313, 1960-1964.	12.6	5,356
99	LPL-mediated lipolysis of VLDL induces an upregulation of AU-rich mRNAs and an activation of HuR in endothelial cells. Atherosclerosis, 2006, 189, 310-317.	0.8	17
100	MARS: microarray analysis, retrieval, and storage system. BMC Bioinformatics, 2005, 6, 101.	2.6	51
101	A quantization method based on threshold optimization for microarray short time series. BMC Bioinformatics, 2005, 6, S11.	2.6	30
102	YPL.db2: the yeast protein localization database, version 2.0. Yeast, 2005, 22, 213-218.	1.7	31
103	The Role of Intramyocellular Lipids during Hypoglycemia in Patients with Intensively Treated Type 1 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 5559-5565.	3.6	24
104	Effector Memory T Cells, Early Metastasis, and Survival in Colorectal Cancer. New England Journal of Medicine, 2005, 353, 2654-2666.	27.0	1,860
105	Molecular processes during fat cell development revealed by gene expression profiling and functional annotation. Genome Biology, 2005, 6, R108.	9.6	61
106	Generic Features of Tertiary Chromatin Structure as Detected in Natural Chromosomes. Molecular and Cellular Biology, 2004, 24, 9359-9370.	2.3	52
107	New trends in bioinformatics: from genome sequence to personalized medicine. Experimental Gerontology, 2003, 38, 1031-1036.	2.8	29
108	YPL.db: the Yeast Protein Localization database. Nucleic Acids Research, 2002, 30, 80-83.	14.5	43

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109	Genesis: cluster analysis of microarray data. Bioinformatics, 2002, 18, 207-208.	4.1	1,684
110	Information management systems for pharmacogenomics. Pharmacogenomics, 2002, 3, 651-667.	1.3	7
111	Impaired Glucose Transport as a Cause of Decreased Insulin-Stimulated Muscle Glycogen Synthesis in Type 2 Diabetes. New England Journal of Medicine, 1999, 341, 240-246.	27.0	562
112	Simulation studies on neural predictive control of glucose using the subcutaneous route. Computer Methods and Programs in Biomedicine, 1998, 56, 133-139.	4.7	40
113	Thin-Film Microbiosensors for Glucoseâ˜Lactate Monitoring. Analytical Chemistry, 1996, 68, 3173-3179.	6.5	103
114	Portable device for continuous fractionated blood sampling and continuous ex vivo blood glucose monitoring. Biosensors and Bioelectronics, 1996, 11, 479-487.	10.1	15