

Andrei Goga

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

9,106
citations

66343

42
h-index

102487

66
g-index

74
all docs

74
docs citations

74
times ranked

17546
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-cell analysis reveals a stem-cell program in human metastatic breast cancer cells. <i>Nature</i> , 2015, 526, 131-135.	27.8	767
2	Coordinate Suppression of ERBB2 and ERBB3 by Enforced Expression of Micro-RNA miR-125a or miR-125b. <i>Journal of Biological Chemistry</i> , 2007, 282, 1479-1486.	3.4	551
3	IRE1 α Cleaves Select microRNAs During ER Stress to Derepress Translation of Proapoptotic Caspase-2. <i>Science</i> , 2012, 338, 818-822.	12.6	550
4	Nanodiamond Therapeutic Delivery Agents Mediate Enhanced Chemoresistant Tumor Treatment. <i>Science Translational Medicine</i> , 2011, 3, 73ra21.	12.4	484
5	Hepatic Stem-like Phenotype and Interplay of Wnt/ β 2-Catenin and Myc Signaling in Aggressive Childhood Liver Cancer. <i>Cancer Cell</i> , 2008, 14, 471-484.	16.8	443
6	Molecular Profiling of the Residual Disease of Triple-Negative Breast Cancers after Neoadjuvant Chemotherapy Identifies Actionable Therapeutic Targets. <i>Cancer Discovery</i> , 2014, 4, 232-245.	9.4	413
7	Comprehensive analysis of normal adjacent to tumor transcriptomes. <i>Nature Communications</i> , 2017, 8, 1077.	12.8	394
8	Inhibition of fatty acid oxidation as a therapy for MYC-overexpressing triple-negative breast cancer. <i>Nature Medicine</i> , 2016, 22, 427-432.	30.7	381
9	MYC pathway activation in triple-negative breast cancer is synthetic lethal with CDK inhibition. <i>Journal of Experimental Medicine</i> , 2012, 209, 679-696.	8.5	309
10	Short RNA duplexes produced by hydrolysis with <i>Escherichia coli</i> RNase III mediate effective RNA interference in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9942-9947.	7.1	285
11	Inhibition of CDK1 as a potential therapy for tumors over-expressing MYC. <i>Nature Medicine</i> , 2007, 13, 820-827.	30.7	283
12	Profiling human breast epithelial cells using single cell RNA sequencing identifies cell diversity. <i>Nature Communications</i> , 2018, 9, 2028.	12.8	256
13	Alternative signals to RAS for hematopoietic transformation by the BCR-ABL oncogene. <i>Cell</i> , 1995, 82, 981-988.	28.9	249
14	¹³ C-Pyruvate Imaging Reveals Alterations in Glycolysis that Precede c-Myc-Induced Tumor Formation and Regression. <i>Cell Metabolism</i> , 2011, 14, 131-142.	16.2	210
15	Aurora kinases A and B are up-regulated by Myc and are essential for maintenance of the malignant state. <i>Blood</i> , 2010, 116, 1498-1505.	1.4	196
16	Aurora kinase A drives the evolution of resistance to third-generation EGFR inhibitors in lung cancer. <i>Nature Medicine</i> , 2019, 25, 111-118.	30.7	196
17	miR-380-5p represses p53 to control cellular survival and is associated with poor outcome in MYCN-amplified neuroblastoma. <i>Nature Medicine</i> , 2010, 16, 1134-1140.	30.7	180
18	Up-regulation of miR-21 by HER2/neu Signaling Promotes Cell Invasion. <i>Journal of Biological Chemistry</i> , 2009, 284, 18515-18524.	3.4	176

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19	Therapeutic potential of a synthetic lethal interaction between the <i>MYC</i> proto-oncogene and inhibition of aurora-B kinase. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13836-13841.	7.1	157
20	The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. Cell, 2019, 177, 231-242.	28.9	152
21	PIM1 kinase inhibition as a targeted therapy against triple-negative breast tumors with elevated MYC expression. Nature Medicine, 2016, 22, 1321-1329.	30.7	138
22	3D compressed sensing for highly accelerated hyperpolarized ¹³ C MRSI with in vivo applications to transgenic mouse models of cancer. Magnetic Resonance in Medicine, 2010, 63, 312-321.	3.0	126
23	GSTP1 Is a Driver of Triple-Negative Breast Cancer Cell Metabolism and Pathogenicity. Cell Chemical Biology, 2016, 23, 567-578.	5.2	122
24	MicroRNA-494 within an oncogenic microRNA megacluster regulates G/S transition in liver tumorigenesis through suppression of mutated in colorectal cancer. Hepatology, 2014, 59, 202-215.	7.3	109
25	MicroRNA-342-3p is a potent tumour suppressor in hepatocellular carcinoma. Journal of Hepatology, 2021, 74, 122-134.	3.7	109
26	Imaging of blood flow using hyperpolarized [¹³ C]Urea in preclinical cancer models. Journal of Magnetic Resonance Imaging, 2011, 33, 692-697.	3.4	105
27	A 3'UTR Pumilio-Binding Element Directs Translational Activation in Olfactory Sensory Neurons. Neuron, 2009, 61, 57-70.	8.1	103
28	microRNA 193a-5p Regulates Levels of Nucleolar- and Spindle-Associated Protein 1 to Suppress Hepatocarcinogenesis. Gastroenterology, 2018, 155, 1951-1966.e26.	1.3	86
29	Biogenesis, delivery, and function of extracellular RNA. Journal of Extracellular Vesicles, 2015, 4, 27494.	12.2	80
30	Switching Cdk2 On or Off with Small Molecules to Reveal Requirements in Human Cell Proliferation. Molecular Cell, 2011, 42, 624-636.	9.7	76
31	A component of the mir-17-92 polycistronic oncomir promotes oncogene-dependent apoptosis. ELife, 2013, 2, e00822.	6.0	75
32	Endogenous Nuclear RNAi Mediates Behavioral Adaptation to Odor. Cell, 2013, 154, 1010-1022.	28.9	74
33	Myc-induced SUMOylation is a therapeutic vulnerability for B-cell lymphoma. Blood, 2014, 124, 2081-2090.	1.4	72
34	Investigating tumor perfusion and metabolism using multiple hyperpolarized ¹³ C compounds: HP001, pyruvate and urea. Magnetic Resonance Imaging, 2012, 30, 305-311.	1.8	69
35	Identification of Chemical Inhibitors of β -Catenin-Driven Liver Tumorigenesis in Zebrafish. PLoS Genetics, 2015, 11, e1005305.	3.5	67
36	Chemical-genetic analysis of cyclin dependent kinase 2 function reveals an important role in cellular transformation by multiple oncogenic pathways. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1019-27.	7.1	64

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37	Kinome rewiring reveals AURKA limits PI3K-pathway inhibitor efficacy in breast cancer. <i>Nature Chemical Biology</i> , 2018, 14, 768-777.	8.0	64
38	CDK1 Inhibition Targets the p53-NOXA-MCL1 Axis, Selectively Kills Embryonic Stem Cells, and Prevents Teratoma Formation. <i>Stem Cell Reports</i> , 2015, 4, 374-389.	4.8	59
39	Linking Tumor Mutations to Drug Responses via a Quantitative Chemical-Genetic Interaction Map. <i>Cancer Discovery</i> , 2015, 5, 154-167.	9.4	57
40	MYC-driven inhibition of the glutamate-cysteine ligase promotes glutathione depletion in liver cancer. <i>EMBO Reports</i> , 2017, 18, 569-585.	4.5	55
41	Diverse regulation of mammary epithelial growth and branching morphogenesis through noncanonical Wnt signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3121-3126.	7.1	55
42	Nuclear entry of a cGMP-dependent kinase converts transient into long-lasting olfactory adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6016-6021.	7.1	50
43	Taking on Challenging Targets: Making MYC Druggable. <i>American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting</i> , 2014, , e497-e502.	3.8	49
44	In vivo Reprogramming of Cancer Metabolism by MYC. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 35.	3.7	48
45	Ribosome stalling during selenoprotein translation exposes a ferroptosis vulnerability. <i>Nature Chemical Biology</i> , 2022, 18, 751-761.	8.0	47
46	MYC Dysregulates Mitosis, Revealing Cancer Vulnerabilities. <i>Cell Reports</i> , 2020, 30, 3368-3382.e7.	6.4	44
47	Activity-Based Protein Profiling of Oncogene-Driven Changes in Metabolism Reveals Broad Dysregulation of PFAH1B2 and 1B3 in Cancer. <i>ACS Chemical Biology</i> , 2015, 10, 1624-1630.	3.4	43
48	Protein Sialylation Regulates a Gene Expression Signature that Promotes Breast Cancer Cell Pathogenicity. <i>ACS Chemical Biology</i> , 2016, 11, 2131-2139.	3.4	43
49	Inositol Phosphate Recycling Regulates Glycolytic and Lipid Metabolism That Drives Cancer Aggressiveness. <i>ACS Chemical Biology</i> , 2014, 9, 1340-1350.	3.4	39
50	Oncogene-regulated release of extracellular vesicles. <i>Developmental Cell</i> , 2021, 56, 1989-2006.e6.	7.0	37
51	Dual blockade of lipid and cyclin-dependent kinases induces synthetic lethality in malignant glioma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12722-12727.	7.1	34
52	Phase I Dose-Escalation Study of 5-Day Intermittent Oral Lapatinib Therapy in Patients With Human Epidermal Growth Factor Receptor-Overexpressing Breast Cancer. <i>Journal of Clinical Oncology</i> , 2014, 32, 1472-1479.	1.6	31
53	Direct and indirect targeting of MYC to treat acute myeloid leukemia. <i>Cancer Chemotherapy and Pharmacology</i> , 2015, 76, 35-46.	2.3	31
54	Quantitative measurement of cancer metabolism using stimulated echo hyperpolarized carbon-13 MRS. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1-11.	3.0	27

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55	Cancer cells exploit an orphan RNA to drive metastatic progression. <i>Nature Medicine</i> , 2018, 24, 1743-1751.	30.7	26
56	Multiple breast cancer risk variants are associated with differential transcript isoform expression in tumors. <i>Human Molecular Genetics</i> , 2015, 24, 7421-7431.	2.9	24
57	Combinatorial immunotherapies overcome MYC-driven immune evasion in triple negative breast cancer. <i>Nature Communications</i> , 2022, 13, .	12.8	21
58	Development of high resolution 3D hyperpolarized carbon-13 MR molecular imaging techniques. <i>Magnetic Resonance Imaging</i> , 2017, 38, 152-162.	1.8	20
59	Anti-Oncomir Suppression of Tumor Phenotypes. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2007, 7, 199-202.	3.4	17
60	Fas-Activated Mitochondrial Apoptosis Culls Stalled Embryonic Stem Cells to Promote Differentiation. <i>Current Biology</i> , 2015, 25, 3110-3118.	3.9	16
61	In Vivo Optical Metabolic Imaging of Long-Chain Fatty Acid Uptake in Orthotopic Models of Triple-Negative Breast Cancer. <i>Cancers</i> , 2021, 13, 148.	3.7	16
62	Cancer recurrence monitoring using hyperpolarized [1-13C]pyruvate metabolic imaging in murine breast cancer model. <i>Magnetic Resonance Imaging</i> , 2017, 43, 105-109.	1.8	13
63	Evaluation of disseminated tumor cells and circulating tumor cells in patients with breast cancer receiving adjuvant zoledronic acid. <i>Npj Breast Cancer</i> , 2021, 7, 113.	5.2	10
64	Pan-viral-microRNA screening identifies interferon inhibition as a common function of diverse viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1856-1861.	7.1	9
65	New Horizons in Advocacy Engaged Physical Sciences and Oncology Research. <i>Trends in Cancer</i> , 2018, 4, 260-264.	7.4	6
66	Biomarkers for Cyclin-Dependent Kinase 4/6 Inhibitors in the Treatment of Hormone Receptor-Positive/Human Epidermal Growth Factor Receptor 2-Negative Advanced/Metastatic Breast Cancer: Translation to Clinical Practice. <i>JCO Precision Oncology</i> , 2022, , .	3.0	4
67	NCI's publication affiliation conundrum: Reframing innovation to incentivize an equitable path for advocate representation. <i>Translational Oncology</i> , 2022, 16, 101325.	3.7	0