

# Andriy Marusyk

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2436455/publications.pdf>

Version: 2024-02-01

35  
papers

7,279  
citations

185998

28  
h-index

360668

35  
g-index

46  
all docs

46  
docs citations

46  
times ranked

13188  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intra-tumour heterogeneity: a looking glass for cancer?. <i>Nature Reviews Cancer</i> , 2012, 12, 323-334.	12.8	1,668
2	Tumor heterogeneity: Causes and consequences. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2010, 1805, 105-117.	3.3	1,036
3	The JAK2/STAT3 signaling pathway is required for growth of CD44+CD24 <sup>low</sup> stem cell <sup>like</sup> breast cancer cells in human tumors. <i>Journal of Clinical Investigation</i> , 2011, 121, 2723-2735.	3.9	777
4	Non-cell-autonomous driving of tumour growth supports sub-clonal heterogeneity. <i>Nature</i> , 2014, 514, 54-58.	13.7	518
5	Intratumor Heterogeneity: The Rosetta Stone of Therapy Resistance. <i>Cancer Cell</i> , 2020, 37, 471-484.	7.7	485
6	Cellular Heterogeneity and Molecular Evolution in Cancer. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2013, 8, 277-302.	9.6	420
7	Postpartum mammary gland involution drives progression of ductal carcinoma in situ through collagen and COX-2. <i>Nature Medicine</i> , 2011, 17, 1109-1115.	15.2	318
8	Inference of Tumor Evolution during Chemotherapy by Computational Modeling and In Situ Analysis of Genetic and Phenotypic Cellular Diversity. <i>Cell Reports</i> , 2014, 6, 514-527.	2.9	239
9	MSC-Regulated MicroRNAs Converge on the Transcription Factor FOXP2 and Promote Breast Cancer Metastasis. <i>Cell Stem Cell</i> , 2014, 15, 762-774.	5.2	155
10	The 2019 mathematical oncology roadmap. <i>Physical Biology</i> , 2019, 16, 041005.	0.8	147
11	Irradiation Selects for p53-Deficient Hematopoietic Progenitors. <i>PLoS Biology</i> , 2010, 8, e1000324.	2.6	125
12	Targeting Akt3 Signaling in Triple-Negative Breast Cancer. <i>Cancer Research</i> , 2014, 74, 964-973.	0.4	124
13	Subclonal cooperation drives metastasis by modulating local and systemic immune microenvironments. <i>Nature Cell Biology</i> , 2019, 21, 879-888.	4.6	114
14	Fibroblasts and alectinib switch the evolutionary games played by non-small cell lung cancer. <i>Nature Ecology and Evolution</i> , 2019, 3, 450-456.	3.4	108
15	Spatial Proximity to Fibroblasts Impacts Molecular Features and Therapeutic Sensitivity of Breast Cancer Cells Influencing Clinical Outcomes. <i>Cancer Research</i> , 2016, 76, 6495-6506.	0.4	105
16	Vitamin D receptor regulates autophagy in the normal mammary gland and in luminal breast cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2186-E2194.	3.3	96
17	Collateral sensitivity networks reveal evolutionary instability and novel treatment strategies in ALK mutated non-small cell lung cancer. <i>Scientific Reports</i> , 2017, 7, 1232.	1.6	79
18	Aging-Associated Changes in Hematopoiesis and Leukemogenesis: What's the Connection?. <i>Aging</i> , 2011, 3, 643-656.	1.4	74

#	ARTICLE	IF	CITATIONS
19	Declining lymphoid progenitor fitness promotes aging-associated leukemogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21713-21718.	3.3	72
20	p53 Mediates Senescence-Like Arrest Induced by Chronic Replicational Stress. Molecular and Cellular Biology, 2007, 27, 5336-5351.	1.1	63
21	Somatic clonal evolution: A selection-centric perspective. Biochimica Et Biophysica Acta: Reviews on Cancer, 2017, 1867, 139-150.	3.3	61
22	Resistance to targeted therapies as a multifactorial, gradual adaptation to inhibitor specific selective pressures. Nature Communications, 2020, 11, 2393.	5.8	60
23	Somatic Cell Fusions Reveal Extensive Heterogeneity in Basal-like Breast Cancer. Cell Reports, 2015, 11, 1549-1563.	2.9	57
24	Cancer Cell Phenotypes, in Fifty Shades of Grey. Science, 2013, 339, 528-529.	6.0	54
25	<i>EN1</i> Is a Transcriptional Dependency in Triple-Negative Breast Cancer Associated with Brain Metastasis. Cancer Research, 2019, 79, 4173-4183.	0.4	47
26	Irradiation Alters Selection for Oncogenic Mutations in Hematopoietic Progenitors. Cancer Research, 2009, 69, 7262-7269.	0.4	43
27	Clonal cooperation. Nature, 2014, 508, 52-53.	13.7	40
28	Spontaneous cell fusions as a mechanism of parasexual recombination in tumour cell populations. Nature Ecology and Evolution, 2021, 5, 379-391.	3.4	38
29	Optimal Therapy Scheduling Based on a Pair of Collaterally Sensitive Drugs. Bulletin of Mathematical Biology, 2018, 80, 1776-1809.	0.9	36
30	Measuring competitive exclusion in non-small cell lung cancer. Science Advances, 2022, 8, .	4.7	25
31	Group phenotypic composition in cancer. ELife, 2021, 10, .	2.8	18
32	Roadmap on plasticity and epigenetics in cancer. Physical Biology, 2022, 19, 031501.	0.8	8
33	Selection-driven tumor evolution with public goods leads to patterns of clonal expansion consistent with neutral growth. IScience, 2021, 24, 101901.	1.9	6
34	Integrating mutational and nonmutational mechanisms of acquired therapy resistance within the Darwinian paradigm. Trends in Cancer, 2022, 8, 456-466.	3.8	6
35	High School Internship Program in Integrated Mathematical Oncology (HIP IMO): Five-Year Experience at Moffitt Cancer Center. Bulletin of Mathematical Biology, 2020, 82, 91.	0.9	4