Roger S Lo

List of Publications by Year
in descending order

72 papers	25,914 citations	44042 48 h-index	66879 78 g-index
84 all docs	84 docs citations	84 times ranked	31299 citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic and Transcriptomic Features of Response to Anti-PD-1 Therapy in Metastatic Melanoma. Cell, 2016, 165, 35-44.	13.5	2,437
2	Mutations Associated with Acquired Resistance to PD-1 Blockade in Melanoma. New England Journal of Medicine, 2016, 375, 819-829.	13.9	2,430
3	TGFÎ² Signaling in Growth Control, Cancer, and Heritable Disorders. Cell, 2000, 103, 295-309.	13.5	2,239
4	Melanomas acquire resistance to B-RAF(V600E) inhibition by RTK or N-RAS upregulation. Nature, 2010, 468, 973-977.	13.7	1,944
5	Tumour micro-environment elicits innate resistance to RAF inhibitors through HGF secretion. Nature, 2012, 487, 500-504.	13.7	1,561
6	RAF inhibitor resistance is mediated by dimerization of aberrantly spliced BRAF(V600E). Nature, 2011, 480, 387-390.	13.7	1,298
7	Interferon Receptor Signaling Pathways Regulating PD-L1 and PD-L2 Expression. Cell Reports, 2017, 19, 1189-1201.	2.9	1,256
8	Exome sequencing identifies recurrent somatic RAC1 mutations in melanoma. Nature Genetics, 2012, 44, 1006-1014.	9.4	1,052
9	Primary Resistance to PD-1 Blockade Mediated by <i>JAK1/2</i> Mutations. Cancer Discovery, 2017, 7, 188-201.	7.7	997
10	<i>RAS</i>Mutations in Cutaneous Squamous-Cell Carcinomas in Patients Treated with BRAF Inhibitors. New England Journal of Medicine, 2012, 366, 207-215.	13.9	978
11	Acquired Resistance and Clonal Evolution in Melanoma during BRAF Inhibitor Therapy. Cancer Discovery, 2014, 4, 80-93.	7.7	836
12	Melanoma whole-exome sequencing identifies V600EB-RAF amplification-mediated acquired B-RAF inhibitor resistance. Nature Communications, 2012, 3, 724.	5.8	567
13	A Smad Transcriptional Corepressor. Cell, 1999, 97, 29-39.	13.5	523
14	Non-genomic and Immune Evolution of Melanoma Acquiring MAPKi Resistance. Cell, 2015, 162, 1271-1285.	13.5	516
15	Low MITF/AXL ratio predicts early resistance to multiple targeted drugs in melanoma. Nature Communications, 2014, 5, 5712.	5.8	503
16	A structural basis for mutational inactivation of the tumour suppressor Smad4. Nature, 1997, 388, 87-93.	13.7	436
17	Therapy-induced tumour secretomes promote resistance and tumour progression. Nature, 2015, 520, 368-372.	13.7	389
18	Mutations increasing autoinhibition inactivate tumour suppressors Smad2 and Smad4. Nature, 1997, 388, 82-87.	13.7	345

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19	Pharmacodynamic Effects and Mechanisms of Resistance to Vemurafenib in Patients With Metastatic Melanoma. Journal of Clinical Oncology, 2013, 31, 1767-1774.	0.8	335
20	Ubiquitin-dependent degradation of TGF-Î²-activated Smad2. Nature Cell Biology, 1999, 1, 472-478.	4.6	321
21	Tunable-Combinatorial Mechanisms of Acquired Resistance Limit the Efficacy of BRAF/MEK Cotargeting but Result in Melanoma Drug Addiction. Cancer Cell, 2015, 27, 240-256.	7.7	299
22	Regional glutamine deficiency in tumours promotes dedifferentiation through inhibition of histoneÂdemethylation. Nature Cell Biology, 2016, 18, 1090-1101.	4.6	291
23	sFRP2 in the aged microenvironment drives melanoma metastasis and therapy resistance. Nature, 2016, 532, 250-254.	13.7	290
24	Acquired BRAF inhibitor resistance: A multicenter meta-analysis of the spectrum and frequencies, clinical behaviour, and phenotypic associations of resistance mechanisms. European Journal of Cancer, 2015, 51, 2792-2799.	1.3	269
25	MDM4 is a key therapeutic target in cutaneous melanoma. Nature Medicine, 2012, 18, 1239-1247.	15.2	266
26	Response of <i>BRAF</i>-Mutant Melanoma to BRAF Inhibition Is Mediated by a Network of Transcriptional Regulators of Glycolysis. Cancer Discovery, 2014, 4, 423-433.	7.7	242
27	Combinatorial Treatments That Overcome PDGFRÎ²-Driven Resistance of Melanoma Cells to V600EB-RAF Inhibition. Cancer Research, 2011, 71, 5067-5074.	0.4	206
28	Differential sensitivity of melanoma cell lines with BRAF V600E mutation to the specific Raf inhibitor PLX4032. Journal of Translational Medicine, 2010, 8, 39.	1.8	203
29	Reversing Melanoma Cross-Resistance to BRAF and MEK Inhibitors by Co-Targeting the AKT/mTOR Pathway. PLoS ONE, 2011, 6, e28973.	1.1	196
30	Polymer Nanofiberâ€Embedded Microchips for Detection, Isolation, and Molecular Analysis of Single Circulating Melanoma Cells. Angewandte Chemie - International Edition, 2013, 52, 3379-3383.	7.2	194
31	Multiple Modes of Repression by the Smad Transcriptional Corepressor TGIF. Journal of Biological Chemistry, 1999, 274, 37105-37110.	1.6	170
32	Glucose deprivation activates a metabolic and signaling amplification loop leading to cell death. Molecular Systems Biology, 2012, 8, 589.	3.2	168
33	Phylogenetic analyses of melanoma reveal complex patterns of metastatic dissemination. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10995-11000.	3.3	146
34	The HSP90 Inhibitor XL888 Overcomes BRAF Inhibitor Resistance Mediated through Diverse Mechanisms. Clinical Cancer Research, 2012, 18, 2502-2514.	3.2	145
35	A Novel AKT1 Mutant Amplifies an Adaptive Melanoma Response to BRAF Inhibition. Cancer Discovery, 2014, 4, 69-79.	7.7	141
36	Recurrent Tumor Cellâ€"Intrinsic and â€"Extrinsic Alterations during MAPKi-Induced Melanoma Regression and Early Adaptation. Cancer Discovery, 2017, 7, 1248-1265.	7.7	134

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37	Vemurafenib resistance reprograms melanoma cells towards glutamine dependence. Journal of Translational Medicine, 2015, 13, 210.	1.8	97
38	Preexisting <i>MEK1</i> Exon 3 Mutations in <i>V600E/K</i> <i>BRAF</i> Melanomas Do Not Confer Resistance to BRAF Inhibitors. Cancer Discovery, 2012, 2, 414-424.	7.7	91
39	Antitumor activity of the ERK inhibitor SCH722984 against BRAF mutant, NRAS mutant and wild-type melanoma. Molecular Cancer, 2014, 13, 194.	7.9	90
40	Exploiting Drug Addiction Mechanisms to Select against MAPKi-Resistant Melanoma. Cancer Discovery, 2018, 8, 74-93.	7.7	89
41	Combination therapy with vemurafenib (PLX4032/RG7204) and metformin in melanoma cell lines with distinct driver mutations. Journal of Translational Medicine, 2011, 9, 76.	1.8	82
42	Intratumoral Molecular Heterogeneity in a <i>BRAF</i>-Mutant, BRAF Inhibitor-Resistant Melanoma: A Case Illustrating the Challenges for Personalized Medicine. Molecular Cancer Therapeutics, 2012, 11, 2704-2708.	1.9	78
43	Anti-PD-1/L1 lead-in before MAPK inhibitor combination maximizes antitumor immunity and efficacy. Cancer Cell, 2021, 39, 1375-1387.e6.	7.7	78
44	The state of melanoma: challenges and opportunities. Pigment Cell and Melanoma Research, 2016, 29, 404-416.	1.5	77
45	Multimodel preclinical platform predicts clinical response of melanoma to immunotherapy. Nature Medicine, 2020, 26, 781-791.	15.2	75
46	The RNA-binding Protein MEX3B Mediates Resistance to Cancer Immunotherapy by Downregulating HLA-A Expression. Clinical Cancer Research, 2018, 24, 3366-3376.	3.2	73
47	Continuous versus intermittent BRAF and MEK inhibition in patients with BRAF-mutated melanoma: a randomized phase 2 trial. Nature Medicine, 2020, 26, 1564-1568.	15.2	71
48	Mixed lineage kinases activate MEK independently of RAF to mediate resistance to RAF inhibitors. Nature Communications, 2014, 5, 3901.	5.8	68
49	JUN dependency in distinct early and late BRAF inhibition adaptation states of melanoma. Cell Discovery, 2016, 2, 16028.	3.1	57
50	Cutaneous wound healing through paradoxical MAPK activation by BRAF inhibitors. Nature Communications, 2016, 7, 12348.	5.8	52
51	A Conserved Glutamate Is Responsible for Ion Selectivity and pH Dependence of the Mammalian Anion Exchangers AE1 and AE2. Journal of Biological Chemistry, 1995, 270, 28751-28758.	1.6	47
52	Durable Suppression of Acquired MEK Inhibitor Resistance in Cancer by Sequestering MEK from ERK and Promoting Antitumor T-cell Immunity. Cancer Discovery, 2021, 11, 714-735.	7.7	45
53	COXâ€2 inhibition prevents the appearance of cutaneous squamous cell carcinomas accelerated by BRAF inhibitors. Molecular Oncology, 2014, 8, 250-260.	2.1	37
54	High-Speed Live-Cell Interferometry: A New Method for Quantifying Tumor Drug Resistance and Heterogeneity. Analytical Chemistry, 2018, 90, 3299-3306.	3.2	35

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55	Sulfate Transport Mediated by the Mammalian Anion Exchangers in Reconstituted Proteoliposomes. Journal of Biological Chemistry, 1995, 270, 11251-11256.	1.6	30
56	Neoadjuvant presurgical PD-1 inhibition in oral cavity squamous cell carcinoma. Cell Reports Medicine, 2021, 2, 100426.	3.3	28
57	Plasticity of Extrachromosomal and Intrachromosomal<i>BRAF</i>Amplifications in Overcoming Targeted Therapy Dosage Challenges. Cancer Discovery, 2022, 12, 1046-1069.	7.7	27
58	Receptor tyrosine kinases in cancer escape from BRAF inhibitors. Cell Research, 2012, 22, 945-947.	5.7	26
59	Transforming Growth Factor-Î² Activation Promotes Genetic Contextâ€“Dependent Invasion of Immortalized Melanocytes. Cancer Research, 2008, 68, 4248-4257.	0.4	23
60	<i>SPRED1</i> deletion confers resistance to MAPK inhibition in melanoma. Journal of Experimental Medicine, 2021, 218, .	4.2	19
61	Response and recurrence correlates in individuals treated with neoadjuvant anti-PD-1 therapy for resectable oral cavity squamous cell carcinoma. Cell Reports Medicine, 2021, 2, 100411.	3.3	18
62	Combinatorial therapies to overcome B-RAF inhibitor resistance in melanomas. Pharmacogenomics, 2012, 13, 125-128.	0.6	17
63	Enhancing PD-L1 Degradation by ITCH during MAPK Inhibitor Therapy Suppresses Acquired Resistance. Cancer Discovery, 2022, 12, 1942-1959.	7.7	15
64	Topical 5-Fluorouracil Elicits Regressions of BRAF Inhibitorâ€“Induced Cutaneous Squamous Cell Carcinoma. Journal of Investigative Dermatology, 2013, 133, 274-276.	0.3	14
65	Detecting Mechanisms of Acquired BRAF Inhibitor Resistance in Melanoma. Methods in Molecular Biology, 2014, 1102, 163-174.	0.4	14
66	The Prognostic Significance of Low-Frequency Somatic Mutations in Metastatic Cutaneous Melanoma. Frontiers in Oncology, 2018, 8, 584.	1.3	14
67	Perspectives in melanoma: meeting report from the â€œMelanoma Bridgeâ€•(December 5thâ€“7th, 2019,) Tj ETQq1 1 0.784314 rgBT /	1.8	5
68	The great debate at â€œImmunotherapy Bridge 2018â€; Naples, November 29th, 2018. , 2019, 7, 221.		4
69	Wound healing with topical BRAF inhibitor therapy in a diabetic model suggests tissue regenerative effects. PLoS ONE, 2021, 16, e0252597.	1.1	4
70	Trying for a BRAF Slam Dunk. Cancer Discovery, 2020, 10, 640-642.	7.7	3
71	Melanoma to Vitiligo: The Melanocyte in Biology & Medicineâ€“Joint Montagna Symposium on the Biology of Skin/PanAmerican Society for Pigment Cell Research Annual Meeting. Journal of Investigative Dermatology, 2020, 140, 269-274.	0.3	2
72	Melanoma Prognostics and Personalized Therapeutics at a Crossroad. Journal of Investigative Dermatology, 2013, 133, 292-295.	0.3	1