Raul Mostoslavsky

List of Publications by Year
in descending order

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85 papers	20,984 citations	53660 45 h-index	58464 82 g-index
86 all docs	86 docs citations	86 times ranked	22059 citing authors

#	Article	IF	Citations
1	Long-term analysis of antibodies elicited by SPUTNIK V: A prospective cohort study in TucumÃ¡n, Argentina. The Lancet Regional Health Americas, 2022, 6, 100123.	1.5	21
2	Liquid biopsy reveals collateral tissue damage in cancer. JCI Insight, 2022, 7, .	2.3	32
3	A non-dividing cell population with high pyruvate dehydrogenase kinase activity regulates metabolic heterogeneity and tumorigenesis in the intestine. Nature Communications, 2022, 13, 1503.	5.8	22
4	DNA repair as a shared hallmark in cancer and ageing. Molecular Oncology, 2022, 16, 3352-3379.	2.1	17
5	A unique subset of glycolytic tumour-propagating cells drives squamous cell carcinoma. Nature Metabolism, 2021, 3, 182-195.	5.1	17
6	SIRT6 transcriptionally regulates fatty acid transport by suppressing PPARÎ³. Cell Reports, 2021, 35, 109190.	2.9	35
7	TiPpIng the balance in histone acetylation. Nature Metabolism, 2021, 3, 729-731.	5.1	1
8	NR4A1 regulates expression of immediate early genes, suppressing replication stress in cancer. Molecular Cell, 2021, 81, 4041-4058.e15.	4.5	16
9	Elevated Humoral Immune Response to SARS-CoV-2 at High Altitudes Revealed by an Anti-RBD â€œIn-Houseâ€• ELISA. Frontiers in Medicine, 2021, 8, 720988.	1.2	5
10	Assessing kinetics and recruitment of DNA repair factors using high content screens. Cell Reports, 2021, 37, 110176.	2.9	6
11	The 2021 FASEB science research conference on NAD metabolism and signaling. Aging, 2021, 13, 24924-24930.	1.4	1
12	SIRT6, a Mammalian Deacylase with Multitasking Abilities. Physiological Reviews, 2020, 100, 145-169.	13.1	130
13	Nuclear metabolism and the regulation of the epigenome. Nature Metabolism, 2020, 2, 1190-1203.	5.1	66
14	Resveratrol: Friend or Foe?. Molecular Cell, 2020, 79, 705-707.	4.5	2
15	Sirt6 deletion in bone marrow-derived cells increases atherosclerosis â€“ Central role of macrophage scavenger receptor 1. Journal of Molecular and Cellular Cardiology, 2020, 139, 24-32.	0.9	26
16	The Histone Deacetylase SIRT6 Restrains Transcription Elongation via Promoter-Proximal Pausing. Molecular Cell, 2019, 75, 683-699.e7.	4.5	50
17	Non-canonical mTORC2 Signaling Regulates Brown Adipocyte Lipid Catabolism through SIRT6-FoxO1. Molecular Cell, 2019, 75, 807-822.e8.	4.5	60
18	SIRT6-dependent cysteine monoubiquitination in the PRE-SET domain of Suv39h1 regulates the NF-ÎºB pathway. Nature Communications, 2018, 9, 101.	5.8	46

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19	Role of Sirtuins in Retinal Function Under Basal Conditions. Advances in Experimental Medicine and Biology, 2018, 1074, 561-567.	0.8	10
20	An inactivating mutation in the histone deacetylase SIRT6 causes human perinatal lethality. Genes and Development, 2018, 32, 373-388.	2.7	41
21	Multitasking Roles of the Mammalian Deacetylase SIRT6. , 2018, , 117-130.		2
22	A sirtuin's role in preventing senescence by protecting ribosomal DNA. Journal of Biological Chemistry, 2018, 293, 11251-11252.	1.6	2
23	SIRT6 Suppresses Cancer Stem-like Capacity in Tumors with PI3K Activation Independently of Its Deacetylase Activity. Cell Reports, 2017, 18, 1858-1868.	2.9	45
24	Pharmacological Sirt6 inhibition improves glucose tolerance in a type 2 diabetes mouse model. FASEB Journal, 2017, 31, 3138-3149.	0.2	62
25	Neuroprotective Functions for the Histone Deacetylase SIRT6. Cell Reports, 2017, 18, 3052-3062.	2.9	123
26	DUSP9 Modulates DNA Hypomethylation in Female Mouse Pluripotent Stem Cells. Cell Stem Cell, 2017, 20, 706-719.e7.	5.2	63
27	TOX Regulates Growth, DNA Repair, and Genomic Instability in T-cell Acute Lymphoblastic Leukemia. Cancer Discovery, 2017, 7, 1336-1353.	7.7	48
28	Reprogramming Enhancers to Drive Metastasis. Cell, 2017, 170, 823-825.	13.5	10
29	Put Your Mark Where Your Damage Is: Acetyl-CoA Production by ACLY Promotes DNA Repair. Molecular Cell, 2017, 67, 165-167.	4.5	9
30	The Various Metabolic Sources of Histone Acetylation. Trends in Endocrinology and Metabolism, 2017, 28, 85-87.	3.1	19
31	SIRT6: a new guardian of mitosis. Nature Structural and Molecular Biology, 2016, 23, 360-362.	3.6	5
32	SIRT6 Suppresses Pancreatic Cancer through Control of Lin28b. Cell, 2016, 165, 1401-1415.	13.5	227
33	Sox2 Suppresses Gastric Tumorigenesis in Mice. Cell Reports, 2016, 16, 1929-1941.	2.9	61
34	Interplay between Metabolism and Epigenetics: A Nuclear Adaptation to Environmental Changes. Molecular Cell, 2016, 62, 695-711.	4.5	363
35	Sirt6 regulates dendritic cell differentiation, maturation, and function. Aging, 2016, 8, 34-47.	1.4	28
36	Identification of and Molecular Basis for SIRT6 Loss-of-Function Point Mutations in Cancer. Cell Reports, 2015, 13, 479-488.	2.9	64

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37	Cancer and metabolism: Why should we care?. Seminars in Cell and Developmental Biology, 2015, 43, 1-2.	2.3	2
38	The role of mammalian sirtuins in cancer metabolism. Seminars in Cell and Developmental Biology, 2015, 43, 33-42.	2.3	39
39	High mobility group protein-mediated transcription requires DNA damage marker Î³-H2AX. Cell Research, 2015, 25, 837-850.	5.7	70
40	Cell Fate by SIRT6 and TETs. Cell Cycle, 2015, 14, 2187-2188.	1.3	6
41	The histone deacetylase SIRT6 controls embryonic stemÂcell fate via TET-mediated production of 5-hydroxymethylcytosine. Nature Cell Biology, 2015, 17, 545-557.	4.6	137
42	SIRT6 Is Required for Normal Retinal Function. PLoS ONE, 2014, 9, e98831.	1.1	46
43	Sirtuin to the rescue: SIRT 2 extends life span of B ub R 1 mice. EMBO Journal, 2014, 33, 1417-1419.	3.5	8
44	Untangling the Fiber Yarn: Butyrate Feeds Warburg to Suppress Colorectal Cancer. Cancer Discovery, 2014, 4, 1368-1370.	7.7	28
45	Partitioning Circadian Transcription by SIRT6 Leads to Segregated Control of Cellular Metabolism. Cell, 2014, 158, 659-672.	13.5	259
46	Sirtuins, metabolism, and DNA repair. Current Opinion in Genetics and Development, 2014, 26, 24-32.	1.5	116
47	Chromatin and beyond: the multitasking roles for SIRT6. Trends in Biochemical Sciences, 2014, 39, 72-81.	3.7	300
48	Abstract B12: A large-scale transgenic screen in zebrafish identifies TOX as a novel oncogene in T-cell acute lymphoblastic leukemia. , 2014, , .		0
49	Thymocyte Selection-Associated High-Mobility Group Box Protein (TOX) Induces Genomic Instability in T-Cell Acute Lymphoblastic Leukemia. Blood, 2014, 124, 475-475.	0.6	0
50	SIRT6 Recruits SNF2H to DNA Break Sites, Preventing Genomic Instability through Chromatin Remodeling. Molecular Cell, 2013, 51, 454-468.	4.5	324
51	Assaying Chromatin Sirtuins. Methods in Molecular Biology, 2013, 1077, 149-163.	0.4	6
52	SIRT7 Represses Myc Activity to Suppress ER Stress and Prevent Fatty Liver Disease. Cell Reports, 2013, 5, 654-665.	2.9	241
53	SIRT6 regulates TNF-Î± secretion through hydrolysis of long-chain fatty acyl lysine. Nature, 2013, 496, 110-113.	13.7	611
54	Metabolism, longevity and epigenetics. Cellular and Molecular Life Sciences, 2013, 70, 1525-1541.	2.4	30

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55	A Tale of Metabolites: The Cross-Talk between Chromatin and Energy Metabolism. Cancer Discovery, 2013, 3, 497-501.	7.7	66
56	The Histone Deacetylase SIRT6: At the Crossroads Between Epigenetics, Metabolism and Disease. Current Topics in Medicinal Chemistry, 2013, 13, 2991-3000.	1.0	58
57	The sirtuin SIRT6 blocks IGF-Akt signaling and development of cardiac hypertrophy by targeting c-Jun. Nature Medicine, 2012, 18, 1643-1650.	15.2	400
58	The NAD+-dependent Histone Deacetylase SIRT6 Promotes Cytokine Production and Migration in Pancreatic Cancer Cells by Regulating Ca2+ Responses. Journal of Biological Chemistry, 2012, 287, 40924-40937.	1.6	151
59	The Deacetylase Sirt6 Activates the Acetyltransferase GCN5 and Suppresses Hepatic Gluconeogenesis. Molecular Cell, 2012, 48, 900-913.	4.5	246
60	The Histone Deacetylase SIRT6 Is a Tumor Suppressor that Controls Cancer Metabolism. Cell, 2012, 151, 1185-1199.	13.5	561
61	Sirtuins, Metabolism, and Cancer. Frontiers in Pharmacology, 2012, 3, 22.	1.6	63
62	From Sirtuin Biology to Human Diseases: An Update. Journal of Biological Chemistry, 2012, 287, 42444-42452.	1.6	218
63	Characterization of Nuclear Sirtuins: Molecular Mechanisms and Physiological Relevance. Handbook of Experimental Pharmacology, 2011, 206, 189-224.	0.9	42
64	A SIRT1-LSD1 Corepressor Complex Regulates Notch Target Gene Expression and Development. Molecular Cell, 2011, 42, 689-699.	4.5	184
65	Acetylation-dependent regulation of endothelial Notch signalling by the SIRT1 deacetylase. Nature, 2011, 473, 234-238.	13.7	350
66	Conserved role of SIRT1 orthologs in fasting-dependent inhibition of the lipid/cholesterol regulator SREBP. Genes and Development, 2010, 24, 1403-1417.	2.7	303
67	At the crossroad of lifespan, calorie restriction, chromatin and disease: Meeting on sirtuins. Cell Cycle, 2010, 9, 1907-1912.	1.3	20
68	SIRT6. Transcription, 2010, 1, 17-21.	1.7	76
69	The Histone Deacetylase Sirt6 Regulates Glucose Homeostasis via Hif1Î±. Cell, 2010, 140, 280-293.	13.5	880
70	Recent progress in the biology and physiology of sirtuins. Nature, 2009, 460, 587-591.	13.7	1,329
71	Intracellular NAD levels regulate tumor necrosis factor protein synthesis in a sirtuin-dependent manner. Nature Medicine, 2009, 15, 206-210.	15.2	250
72	SIRT1 Regulates Circadian Clock Gene Expression through PER2 Deacetylation. Cell, 2008, 134, 317-328.	13.5	1,183

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73	SIRT1 Redistribution on Chromatin Promotes Genomic Stability but Alters Gene Expression during Aging. Cell, 2008, 135, 907-918.	13.5	756
74	DNA repair, insulin signaling and sirtuins: at the crossroads between cancer and aging. Frontiers in Bioscience - Landmark, 2008, Volume, 6966.	3.0	9
75	Mammalian Sir2 Homolog SIRT3 Regulates Global Mitochondrial Lysine Acetylation. Molecular and Cellular Biology, 2007, 27, 8807-8814.	1.1	1,097
76	Metabolic control of muscle mitochondrial function and fatty acid oxidation through SIRT1/PGC-1Î±. EMBO Journal, 2007, 26, 1913-1923.	3.5	1,107
77	Genomic Instability and Aging-like Phenotype in the Absence of Mammalian SIRT6. Cell, 2006, 124, 315-329.	13.5	1,399
78	SIRT4 Inhibits Glutamate Dehydrogenase and Opposes the Effects of Calorie Restriction in Pancreatic Î2 Cells. Cell, 2006, 126, 941-954.	13.5	1,053
79	DNA Repair, Genome Stability, and Aging. Cell, 2005, 120, 497-512.	13.5	824
80	Mammalian SIRT1 limits replicative life span in response to chronic genotoxic stress. Cell Metabolism, 2005, 2, 67-76.	7.2	242
81	Stress-Dependent Regulation of FOXO Transcription Factors by the SIRT1 Deacetylase. Science, 2004, 303, 2011-2015.	6.0	2,913
82	The Lingering Enigma of the Allelic Exclusion Mechanism. Cell, 2004, 118, 539-544.	13.5	145
83	Receptor revision in T cells: an open question?. Trends in Immunology, 2004, 25, 276-279.	2.9	20
84	Chromatin dynamics and locus accessibility in the immune system. Nature Immunology, 2003, 4, 603-606.	7.0	50
85	Developmental defects and p53 hyperacetylation in Sir2 homolog (SIRT1)-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10794-10799.	3.3	1,031