Mario P Tschan

List of Publications by Year
in descending order

		87723	29081
114	11,383	38	104
papers	citations	h-index	g-index

116	116	116	24428
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
3	WIPI3 and WIPI4 Î²-propellers are scaffolds for LKB1-AMPK-TSC signalling circuits in the control of autophagy. Nature Communications, 2017, 8, 15637.	5.8	156
4	Inhibition of SIRT1 Impairs the Accumulation and Transcriptional Activity of HIF-1Î± Protein under Hypoxic Conditions. PLoS ONE, 2012, 7, e33433.	1.1	127
5	Reliable LC3 and p62 autophagy marker detection in formalin fixed paraffin embedded human tissue by immunohistochemistry. European Journal of Histochemistry, 2015, 59, 2481.	0.6	117
6	Expression of p16INK4a/p16Î± and p19ARF/p16Î² is frequently altered in non-small cell lung cancer and correlates with p53 overexpression. Oncogene, 1998, 17, 2779-2785.	2.6	104
7	The Transcription Factor Encyclopedia. Genome Biology, 2012, 13, R24.	13.9	103
8	Antitumor Effect of SIRT1 Inhibition in Human HCC Tumor Models In Vitro and In Vivo. Molecular Cancer Therapeutics, 2013, 12, 499-508.	1.9	98
9	Prognostic value of the autophagy markers LC3 and p62/SQSTM1 in early-stage non-small cell lung cancer. Oncotarget, 2016, 7, 39544-39555.	0.8	93
10	Alternative Splicing of the Human Cyclin D-binding Myb-like Protein (hDMP1) Yields a Truncated Protein Isoform That Alters Macrophage Differentiation Patterns. Journal of Biological Chemistry, 2003, 278, 42750-42760.	1.6	76
11	Epigallocatechinâ€3â€gallate induces cell death in acute myeloid leukaemia cells and supports allâ€trans retinoic acidâ€induced neutrophil differentiation via deathâ€associated protein kinase 2. British Journal of Haematology, 2010, 149, 55-64.	1.2	76
12	T-cell protection and enrichment through lentiviral CCR5 intrabody gene delivery. Gene Therapy, 2006, 13, 1480-1492.	2.3	74
13	p73 regulates autophagy and hepatocellular lipid metabolism through a transcriptional activation of the ATG5 gene. Cell Death and Differentiation, 2013, 20, 1415-1424.	5.0	74
14	miR-125b controls apoptosis and temozolomide resistance by targeting TNFAIP3 and NKIRAS2 in glioblastomas. Cell Death and Disease, 2014, 5, e1279-e1279.	2.7	70
15	Scavenger Chemokine (CXC Motif) Receptor 7 (CXCR7) Is a Direct Target Gene of HIC1 (Hypermethylated) Tj ETQq1 1 0.784314 rgBT	1.6	68
16	MicroRNA-29b is involved in the Src-ID1 signaling pathway and is dysregulated in human lung adenocarcinoma. Oncogene, 2012, 31, 4221-4232.	2.6	65
17	Verteporfin-induced lysosomal compartment dysregulation potentiates the effect of sorafenib in hepatocellular carcinoma. Cell Death and Disease, 2019, 10, 749.	2.7	64
18	TWIST1 and TWIST2 promoter methylation and protein expression in tumor stroma influence the epithelial-mesenchymal transition-like tumor budding phenotype in colorectal cancer. Oncotarget, 2015, 6, 874-885.	0.8	64

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19	MicroRNA-381 Represses ID1 and is Deregulated in Lung Adenocarcinoma. Journal of Thoracic Oncology, 2012, 7, 1069-1077.	0.5	58
20	miR-29b Mediates NF-ÎºB Signaling in KRAS-Induced Nonâ€“Small Cell Lung Cancers. Cancer Research, 2016, 76, 4160-4169.	0.4	56
21	Enhanced p73 Expression during Differentiation and Complex p73 Isoforms in Myeloid Leukemia. Biochemical and Biophysical Research Communications, 2000, 277, 62-65.	1.0	54
22	Deregulated expression of Kruppel-like factors in acute myeloid leukemia. Leukemia Research, 2011, 35, 909-913.	0.4	53
23	p62/SQSTM1 upregulation constitutes a survival mechanism that occurs during granulocytic differentiation of acute myeloid leukemia cells. Cell Death and Differentiation, 2014, 21, 1852-1861.	5.0	53
24	Autophagy Inhibition Improves Sunitinib Efficacy in Pancreatic Neuroendocrine Tumors via a Lysosome-dependent Mechanism. Molecular Cancer Therapeutics, 2017, 16, 2502-2515.	1.9	52
25	Lipid droplet and early autophagosomal membrane targeting of Atg2A and Atg14L in human tumor cells. Journal of Lipid Research, 2014, 55, 1267-1278.	2.0	50
26	Induction of autophagy is a key component of all-trans-retinoic acid-induced differentiation in leukemia cells and a potential target for pharmacologic modulation. Experimental Hematology, 2015, 43, 781-793.e2.	0.2	49
27	Identification of the p53 family-responsive element in the promoter region of the tumor suppressor gene hypermethylated in cancer 1. Oncogene, 2006, 25, 2030-2039.	2.6	48
28	PU.1 is linking the glycolytic enzyme HK3 in neutrophil differentiation and survival of APL cells. Blood, 2012, 119, 4963-4970.	0.6	48
29	CLEC5A (MDL-1) is a novel PU.1 transcriptional target during myeloid differentiation. Molecular Immunology, 2011, 48, 714-719.	1.0	46
30	The death-associated protein kinase 2 is up-regulated during normal myeloid differentiation and enhances neutrophil maturation in myeloid leukemic cells. Journal of Leukocyte Biology, 2007, 81, 1599-1608.	1.5	45
31	Low Autophagy (ATG) Gene Expression Is Associated with an Immature AML Blast Cell Phenotype and Can Be Restored during AML Differentiation Therapy. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-16.	1.9	45
32	Expression analysis of LC3B and p62 indicates intact activated autophagy is associated with an unfavorable prognosis in colon cancer. Oncotarget, 2017, 8, 54604-54615.	0.8	45
33	Synergistic induction of cell death in liver tumor cells by TRAIL and chemotherapeutic drugs via the BH3-only proteins Bim and Bid. Cell Death and Disease, 2010, 1, e86-e86.	2.7	44
34	Prognostic relevance of autophagy markers LC3B and p62 in esophageal adenocarcinomas. Oncotarget, 2016, 7, 39241-39255.	0.8	44
35	NDRG1/2 expression is inhibited in primary acute myeloid leukemia. Leukemia Research, 2010, 34, 393-398.	0.4	42
36	Differential expression of p73 splice variants and protein in benign and malignant ovarian tumours. International Journal of Cancer, 2000, 88, 66-70.	2.3	41

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37	MicroRNA-106a targets autophagy and enhances sensitivity of lung cancer cells to Src inhibitors. Lung Cancer, 2017, 107, 73-83.	0.9	41
38	CDX2 in colorectal cancer is an independent prognostic factor and regulated by promoter methylation and histone deacetylation in tumors of the serrated pathway. Clinical Epigenetics, 2018, 10, 120.	1.8	41
39	WIPI-dependent autophagy during neutrophil differentiation of NB4 acute promyelocytic leukemia cells. Cell Death and Disease, 2014, 5, e1315-e1315.	2.7	40
40	The role of autophagy in anticancer therapy: promises and uncertainties. Journal of Internal Medicine, 2010, 268, 410-418.	2.7	39
41	Overexpression of the p73 gene is a novel finding in high-risk B-cell chronic lymphocytic leukemia. Annals of Oncology, 2001, 12, 981-986.	0.6	38
42	Therapeutic Modulation of Autophagy in Leukaemia and Lymphoma. Cells, 2019, 8, 103.	1.8	37
43	The Multifaceted Functions of Autophagy in Breast Cancer Development and Treatment. Cells, 2021, 10, 1447.	1.8	37
44	DAPK2 is a novel E2F1/KLF6 target gene involved in their proapoptotic function. Oncogene, 2008, 27, 5706-5716.	2.6	31
45	HIC1 tumour suppressor gene is suppressed in acute myeloid leukaemia and induced during granulocytic differentiation. British Journal of Haematology, 2008, 141, 179-187.	1.2	31
46	Inhibition of the miR-143/145 cluster attenuated neutrophil differentiation of APL cells. Leukemia Research, 2012, 36, 237-240.	0.4	30
47	Targeting the Phosphoinositide 3-Kinase p110-Î± Isoform Impairs Cell Proliferation, Survival, and Tumor Growth in Small Cell Lung Cancer. Clinical Cancer Research, 2013, 19, 96-105.	3.2	30
48	Protective autophagy is involved in resistance towards MET inhibitors in human gastric adenocarcinoma cells. Biochemical and Biophysical Research Communications, 2013, 431, 264-269.	1.0	30
49	Reducing FASN expression sensitizes acute myeloid leukemia cells to differentiation therapy. Cell Death and Differentiation, 2021, 28, 2465-2481.	5.0	30
50	CEBPA-dependent HK3 and KLF5 expression in primary AML and during AML differentiation. Scientific Reports, 2014, 4, 4261.	1.6	29
51	The Tumor Suppressor Gene Hypermethylated in Cancer 1 Is Transcriptionally Regulated by E2F1. Molecular Cancer Research, 2009, 7, 916-922.	1.5	28
52	The anti-apoptotic gene BCL2A1 is a novel transcriptional target of PU.1. Leukemia, 2010, 24, 1073-1076.	3.3	28
53	The stem cell gene â€œinhibitor of differentiation 1â€•(ID1) is frequently expressed in non-small cell lung cancer. Lung Cancer, 2011, 71, 306-311.	0.9	28
54	Progress and Challenges in the Use of MAP1LC3 as a Legitimate Marker for Measuring Dynamic Autophagy In Vivo. Cells, 2020, 9, 1321.	1.8	27

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55	Inhibition of GATE-16 attenuates ATRA-induced neutrophil differentiation of APL cells and interferes with autophagosome formation. Biochemical and Biophysical Research Communications, 2013, 438, 283-288.	1.0	26
56	The RNA binding proteins RBM38 and DND1 are repressed in AML and have a novel function in APL differentiation. Leukemia Research, 2016, 41, 96-102.	0.4	26
57	PU.1 supports TRAIL-induced cell death by inhibiting NF-Î¹B-mediated cell survival and inducing DR5 expression. Cell Death and Differentiation, 2017, 24, 866-877.	5.0	24
58	The cyclin-dependent kinase inhibitors p18INK4c and p19INK4d are highly expressed in CD34+ progenitor and acute myeloid leukaemic cells but not in normal differentiated myeloid cells. British Journal of Haematology, 1999, 106, 644-651.	1.2	23
59	PU.1 binding to the p53 family of tumor suppressors impairs their transcriptional activity. Oncogene, 2008, 27, 3489-3493.	2.6	23
60	Her2-Targeted Therapy Induces Autophagy in Esophageal Adenocarcinoma Cells. International Journal of Molecular Sciences, 2018, 19, 3069.	1.8	23
61	Modulation of drug resistance by artificial transcription factors. Molecular Cancer Therapeutics, 2008, 7, 688-697.	1.9	22
62	Human DMTF1Î² antagonizes DMTF1Î± regulation of the p14ARF tumor suppressor and promotes cellular proliferation. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2015, 1849, 1198-1208.	0.9	22
63	Hexokinase 3 enhances myeloid cell survival via non-glycolytic functions. Cell Death and Disease, 2022, 13, 448.	2.7	22
64	Aberrant FHIT mRNA transcripts are present in malignant and normal haematopoiesis, but absence of FHIT protein is restricted to leukaemia. Oncogene, 1999, 18, 79-85.	2.6	20
65	Inhibition of damage-regulated autophagy modulator-1 (DRAM-1) impairs neutrophil differentiation of NB4 APL cells. Leukemia Research, 2012, 36, 1552-1556.	0.4	18
66	The tumor suppressor gene DAPK2 is induced by the myeloid transcription factors PU.1 and C/EBPÂ during granulocytic differentiation but repressed by PML-RARÂ in APL. Journal of Leukocyte Biology, 2014, 95, 83-93.	1.5	18
67	Lysosomes in acute myeloid leukemia: potential therapeutic targets?. Leukemia, 2021, 35, 2759-2770.	3.3	18
68	A specific expression profile of LC3B and p62 is associated with nonresponse to neoadjuvant chemotherapy in esophageal adenocarcinomas. PLoS ONE, 2018, 13, e0197610.	1.1	17
69	Different p16INK4aand p14ARFExpression Patterns in Acute Myeloid Leukaemia and Normal Blood Leukocytes. Leukemia and Lymphoma, 2001, 42, 1077-1087.	0.6	16
70	Attenuation of EPO-dependent erythroblast formation by death-associated protein kinase-2. Blood, 2008, 112, 886-890.	0.6	16
71	Chaperone-Mediated Autophagy Markers LAMP2A and HSC70 Are Independent Adverse Prognostic Markers in Primary Resected Squamous Cell Carcinomas of the Lung. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-12.	1.9	16
72	Transcriptional regulation of MIR29B by PU.1 (SPI1) and MYC during neutrophil differentiation of acute promyelocytic leukaemia cells. British Journal of Haematology, 2012, 157, 270-274.	1.2	15

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73	Induction of the autophagy-associated gene MAP1S via PU.1 supports APL differentiation. Leukemia Research, 2014, 38, 1041-1047.	0.4	15
74	The autophagy scaffold protein ALFY is critical for the granulocytic differentiation of AML cells. Scientific Reports, 2017, 7, 12980.	1.6	15
75	Expression Analysis of Autophagy Related Markers LC3B, p62 and HMGB1 Indicate an Autophagy-Independent Negative Prognostic Impact of High p62 Expression in Pulmonary Squamous Cell Carcinomas. Cancers, 2018, 10, 281.	1.7	15
76	Inhibition of UBE2L6 attenuates ISGylation and impedes ATRAâ€induced differentiation of leukemic cells. Molecular Oncology, 2020, 14, 1297-1309.	2.1	15
77	Distinct TP73â€“DAPK2â€“ATG5 pathway involvement in ATO-mediated cell death versus ATRA-mediated autophagy responses in APL. Journal of Leukocyte Biology, 2017, 102, 1357-1370.	1.5	14
78	Inactivation of the hypermethylated in cancer 1 tumour suppressor - not just a question of promoter hypermethylation?. Swiss Medical Weekly, 2010, 140, w13106.	0.8	14
79	The granulocyte orphan receptor CEACAM4 is able to trigger phagocytosis of bacteria. Journal of Leukocyte Biology, 2015, 97, 521-531.	1.5	13
80	The role of autophagy in HER2-targeted therapy. Swiss Medical Weekly, 2019, 149, w20138.	0.8	13
81	The LIM Protein Ajuba Augments Tumor Metastasis in Colon Cancer. Cancers, 2020, 12, 1913.	1.7	12
82	Assessing Autophagy in Archived Tissue or How to Capture Autophagic Flux from a Tissue Snapshot. Biology, 2020, 9, 59.	1.3	12
83	The hDMP1 tumor suppressor is a new WT1 target in myeloid leukemias. Leukemia, 2008, 22, 1087-1090.	3.3	11
84	Identification of Novel Death-Associated Protein Kinase 2 Interaction Partners by Proteomic Screening Coupled with Bimolecular Fluorescence Complementation. Molecular and Cellular Biology, 2016, 36, 132-143.	1.1	11
85	Synergistic effects of FGFR1 and PLK1 inhibitors target a metabolic liability in KRAS â€mutant cancer. EMBO Molecular Medicine, 2021, 13, e13193.	3.3	11
86	SIRT1 is downregulated during neutrophil differentiation of acute promyelocytic leukaemia cells. British Journal of Haematology, 2009, 146, 337-341.	1.2	10
87	Investigation of IL-23 (p19, p40) and IL-23R identifies nuclear expression of IL-23 p19 as a favorable prognostic factor in colorectal cancer: a retrospective multicenter study of 675 patients. Oncotarget, 2014, 5, 4671-4682.	0.8	10
88	Thiazolides promote apoptosis in colorectal tumor cells via MAP kinase-induced Bim and Puma activation. Cell Death and Disease, 2015, 6, e1778-e1778.	2.7	9
89	Impact of p53 Status on Radiosensitization of Tumor Cells by MET Inhibitionâ€“Associated Checkpoint Abrogation. Molecular Cancer Research, 2015, 13, 1544-1553.	1.5	9
90	BIRC6 (APOLLON) is down-regulated in acute myeloid leukemia and its knockdown attenuates neutrophil differentiation. Experimental Hematology and Oncology, 2012, 1, 25.	2.0	8

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91	Pro-survival role of p62 during granulocytic differentiation of acute myeloid leukemia cells. Molecular and Cellular Oncology, 2014, 1, e970066.	0.3	8
92	Low DICER1 expression is associated with attenuated neutrophil differentiation and autophagy of NB4 APL cells. Journal of Leukocyte Biology, 2015, 98, 357-363.	1.5	8
93	ALK inhibition activates LC3B-independent, protective autophagy in EML4-ALK positive lung cancer cells. Scientific Reports, 2021, 11, 9011.	1.6	7
94	Crizotinib inhibits migration and expression of ID1 in MET-positive lung cancer cells: implications for MET targeting in oncology. Future Oncology, 2014, 10, 211-217.	1.1	6
95	Blocking the Autophagy Gene 5 (ATG5) Impairs ATRA-Induced Myeloid Differentiation, and ATG5 Is Downregulated in AML. Blood, 2008, 112, 309-309.	0.6	6
96	The actinâ€binding protein <scp>CORO</scp>1A is a novel <scp>PU</scp>.1 (<scp>SPI</scp>1)â€•and <scp>CEBPA</scp>â€•regulated gene with significantly lower expression in <scp>APL</scp> and <scp>CEBPA</scp>â€•mutated <scp>AML</scp> patients. British Journal of Haematology, 2013, 160, 855-859.	1.2	5
97	Cisplatin sensitivity in breast cancer cells is associated with particular DMTF1 splice variant expression. Biochemical and Biophysical Research Communications, 2018, 503, 2800-2806.	1.0	5
98	Increased LAMP2A levels correlate with a shorter disease-free survival of HER2 negative breast cancer patients and increased breast cancer cell viability. Biochemical and Biophysical Research Communications, 2021, 569, 47-53.	1.0	5
99	The Chick Chorioallantoic Membrane (CAM) Assay as a Three-dimensional Model to Study Autophagy in Cancer Cells. Bio-protocol, 2019, 9, e3290.	0.2	5
100	Chaperone-Mediated Autophagy Markers LAMP2A and HSPA8 in Advanced Non-Small Cell Lung Cancer after Neoadjuvant Therapy. Cells, 2021, 10, 2731.	1.8	5
101	Divergent Expression of Cclin-Dependent Kinase Inhibitors (CKI) And p14ARF/p16Î² in Non-Hodgkin's Lymphomas and Chronic Lymphocytic Leukemia. Leukemia and Lymphoma, 2000, 37, 639-648.	0.6	4
102	Assessing Autophagy During Retinoid Treatment of Breast Cancer Cells. Methods in Molecular Biology, 2019, 2019, 237-256.	0.4	4
103	Linking the SUMO protease SENP5 to neutrophil differentiation of AML cells. Leukemia Research Reports, 2015, 4, 32-35.	0.2	3
104	Role of cardiolipins, mitochondria, and autophagy in the differentiation process activated by all-trans retinoic acid in acute promyelocytic leukemia. Cell Death and Disease, 2022, 13, 30.	2.7	3
105	The Autophagy Gene ULK1 Plays a Role In AML Differentiation and Is Negatively Regulated by the Oncogenic MicroRNA 106a. Blood, 2010, 116, 503-503.	0.6	2
106	Differential expression of p73 splice variants and protein in benign and malignant ovarian tumours. , 2000, 88, 66.		1
107	Non-Canonical Autophagy during APL Therapy. Blood, 2016, 128, 1621-1621.	0.6	1
108	Hexokinase Proteins Impart Distinct Functions in Myeloid Development and Cell Death. Blood, 2018, 132, 5088-5088.	0.6	1

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109	Development of a Unique siRNA and Intrabody Combinatorial HIV-1 Vector to Knockdown CXCR4 and Protect Cells from HIV-1 Challenge.. Blood, 2004, 104, 1757-1757.	0.6	0
110	Lentiviral CCR5 Intrabody Gene Delivery Provides Protection and Enrichment during CCR5-Tropic Infection.. Blood, 2004, 104, 1755-1755.	0.6	0
111	Activation of Myeloid Differentiation-Associated Autophagy In Combination with ATRA-Therapy Enhances Neutrophil Differentiation of AML Cells.. Blood, 2010, 116, 1046-1046.	0.6	0
112	Dissecting the Autophagy Tumor Suppressor Pathway Network in Acute Promyelocytic Leukemia Therapy. Blood, 2016, 128, 1560-1560.	0.6	0
113	A Novel PU.1 - Caspase 8/cFLIP Axis in Neutrophil and Macrophage Differentiation of AML Cells. Blood, 2018, 132, 1347-1347.	0.6	0
114	Elucidating the Non-Catalytic Function of Fatty Acid Synthase and Its Autophagy-Dependent Degradation in Acute Myelocytic Leukemia Differentiation Therapy. Blood, 2018, 132, 2624-2624.	0.6	0