

Mario P Tschan

List of Publications by Year in descending order

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114
papers

11,383
citations

87888

38
h-index

29157

104
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116
all docs

116
docs citations

116
times ranked

24428
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
3	WIPI3 and WIPI4 \hat{P}^2 -propellers are scaffolds for LKB1-AMPK-TSC signalling circuits in the control of autophagy. <i>Nature Communications</i> , 2017, 8, 15637.	12.8	156
4	Inhibition of SIRT1 Impairs the Accumulation and Transcriptional Activity of HIF-1 \hat{P} Protein under Hypoxic Conditions. <i>PLoS ONE</i> , 2012, 7, e33433.	2.5	127
5	Reliable LC3 and p62 autophagy marker detection in formalin fixed paraffin embedded human tissue by immunohistochemistry. <i>European Journal of Histochemistry</i> , 2015, 59, 2481.	1.5	117
6	Expression of p16INK4a/p16 \hat{P} and p19ARF/p16 \hat{P}^2 is frequently altered in non-small cell lung cancer and correlates with p53 overexpression. <i>Oncogene</i> , 1998, 17, 2779-2785.	5.9	104
7	The Transcription Factor Encyclopedia. <i>Genome Biology</i> , 2012, 13, R24.	9.6	103
8	Antitumor Effect of SIRT1 Inhibition in Human HCC Tumor Models <i>In Vitro</i> and <i>In Vivo</i> . <i>Molecular Cancer Therapeutics</i> , 2013, 12, 499-508.	4.1	98
9	Prognostic value of the autophagy markers LC3 and p62/SQSTM1 in early-stage non-small cell lung cancer. <i>Oncotarget</i> , 2016, 7, 39544-39555.	1.8	93
10	Alternative Splicing of the Human Cyclin D-binding Myb-like Protein (hDMP1) Yields a Truncated Protein Isoform That Alters Macrophage Differentiation Patterns. <i>Journal of Biological Chemistry</i> , 2003, 278, 42750-42760.	3.4	76
11	Epigallocatechin \hat{E} gallate induces cell death in acute myeloid leukaemia cells and supports all \hat{E} trans \hat{E} retinoic acid \hat{E} induced neutrophil differentiation via death \hat{E} associated protein kinase 2. <i>British Journal of Haematology</i> , 2010, 149, 55-64.	2.5	76
12	T-cell protection and enrichment through lentiviral CCR5 intrabody gene delivery. <i>Gene Therapy</i> , 2006, 13, 1480-1492.	4.5	74
13	p73 regulates autophagy and hepatocellular lipid metabolism through a transcriptional activation of the ATG5 gene. <i>Cell Death and Differentiation</i> , 2013, 20, 1415-1424.	11.2	74
14	miR-125b controls apoptosis and temozolomide resistance by targeting TNFAIP3 and NKIRAS2 in glioblastomas. <i>Cell Death and Disease</i> , 2014, 5, e1279-e1279.	6.3	70
15	Scavenger Chemokine (CXC Motif) Receptor 7 (CXCR7) Is a Direct Target Gene of HIC1 (Hypermethylated) Tj ETQq $\hat{1}$ 0.784314 rgBT (C	8.4	68
16	MicroRNA-29b is involved in the Src-ID1 signaling pathway and is dysregulated in human lung adenocarcinoma. <i>Oncogene</i> , 2012, 31, 4221-4232.	5.9	65
17	Verteporfin-induced lysosomal compartment dysregulation potentiates the effect of sorafenib in hepatocellular carcinoma. <i>Cell Death and Disease</i> , 2019, 10, 749.	6.3	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. <i>Oncotarget</i> , 2015, 6, 874-885.	1.8	64

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19	MicroRNA-381 Represses ID1 and is Deregulated in Lung Adenocarcinoma. <i>Journal of Thoracic Oncology</i> , 2012, 7, 1069-1077.	1.1	58
20	miR-29b Mediates NF- κ B Signaling in KRAS-Induced Non-Small Cell Lung Cancers. <i>Cancer Research</i> , 2016, 76, 4160-4169.	0.9	56
21	Enhanced p73 Expression during Differentiation and Complex p73 Isoforms in Myeloid Leukemia. <i>Biochemical and Biophysical Research Communications</i> , 2000, 277, 62-65.	2.1	54
22	Deregulated expression of Kruppel-like factors in acute myeloid leukemia. <i>Leukemia Research</i> , 2011, 35, 909-913.	0.8	53
23	p62/SQSTM1 upregulation constitutes a survival mechanism that occurs during granulocytic differentiation of acute myeloid leukemia cells. <i>Cell Death and Differentiation</i> , 2014, 21, 1852-1861.	11.2	53
24	Autophagy Inhibition Improves Sunitinib Efficacy in Pancreatic Neuroendocrine Tumors via a Lysosome-dependent Mechanism. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 2502-2515.	4.1	52
25	Lipid droplet and early autophagosomal membrane targeting of Atg2A and Atg14L in human tumor cells. <i>Journal of Lipid Research</i> , 2014, 55, 1267-1278.	4.2	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. <i>Experimental Hematology</i> , 2015, 43, 781-793.e2.	0.4	49
27	Identification of the p53 family-responsive element in the promoter region of the tumor suppressor gene hypermethylated in cancer 1. <i>Oncogene</i> , 2006, 25, 2030-2039.	5.9	48
28	PU.1 is linking the glycolytic enzyme HK3 in neutrophil differentiation and survival of APL cells. <i>Blood</i> , 2012, 119, 4963-4970.	1.4	48
29	CLEC5A (MDL-1) is a novel PU.1 transcriptional target during myeloid differentiation. <i>Molecular Immunology</i> , 2011, 48, 714-719.	2.2	46
30	The death-associated protein kinase 2 is up-regulated during normal myeloid differentiation and enhances neutrophil maturation in myeloid leukemic cells. <i>Journal of Leukocyte Biology</i> , 2007, 81, 1599-1608.	3.3	45
31	Low Autophagy (ATG) Gene Expression Is Associated with an Immature AML Blast Cell Phenotype and Can Be Restored during AML Differentiation Therapy. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-16.	4.0	45
32	Expression analysis of LC3B and p62 indicates intact activated autophagy is associated with an unfavorable prognosis in colon cancer. <i>Oncotarget</i> , 2017, 8, 54604-54615.	1.8	45
33	Synergistic induction of cell death in liver tumor cells by TRAIL and chemotherapeutic drugs via the BH3-only proteins Bim and Bid. <i>Cell Death and Disease</i> , 2010, 1, e86-e86.	6.3	44
34	Prognostic relevance of autophagy markers LC3B and p62 in esophageal adenocarcinomas. <i>Oncotarget</i> , 2016, 7, 39241-39255.	1.8	44
35	NDRG1/2 expression is inhibited in primary acute myeloid leukemia. <i>Leukemia Research</i> , 2010, 34, 393-398.	0.8	42
36	Differential expression of p73 splice variants and protein in benign and malignant ovarian tumours. <i>International Journal of Cancer</i> , 2000, 88, 66-70.	5.1	41

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37	MicroRNA-106a targets autophagy and enhances sensitivity of lung cancer cells to Src inhibitors. <i>Lung Cancer</i> , 2017, 107, 73-83.	2.0	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. <i>Clinical Epigenetics</i> , 2018, 10, 120.	4.1	41
39	WIPI-dependent autophagy during neutrophil differentiation of NB4 acute promyelocytic leukemia cells. <i>Cell Death and Disease</i> , 2014, 5, e1315-e1315.	6.3	40
40	The role of autophagy in anticancer therapy: promises and uncertainties. <i>Journal of Internal Medicine</i> , 2010, 268, 410-418.	6.0	39
41	Overexpression of the p73 gene is a novel finding in high-risk B-cell chronic lymphocytic leukemia. <i>Annals of Oncology</i> , 2001, 12, 981-986.	1.2	38
42	Therapeutic Modulation of Autophagy in Leukaemia and Lymphoma. <i>Cells</i> , 2019, 8, 103.	4.1	37
43	The Multifaceted Functions of Autophagy in Breast Cancer Development and Treatment. <i>Cells</i> , 2021, 10, 1447.	4.1	37
44	DAPK2 is a novel E2F1/KLF6 target gene involved in their proapoptotic function. <i>Oncogene</i> , 2008, 27, 5706-5716.	5.9	31
45	<i>h</i> HIC1 tumour suppressor gene is suppressed in acute myeloid leukaemia and induced during granulocytic differentiation. <i>British Journal of Haematology</i> , 2008, 141, 179-187.	2.5	31
46	Inhibition of the miR-143/145 cluster attenuated neutrophil differentiation of APL cells. <i>Leukemia Research</i> , 2012, 36, 237-240.	0.8	30
47	Targeting the Phosphoinositide 3-Kinase p110 α Isoform Impairs Cell Proliferation, Survival, and Tumor Growth in Small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2013, 19, 96-105.	7.0	30
48	Protective autophagy is involved in resistance towards MET inhibitors in human gastric adenocarcinoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2013, 431, 264-269.	2.1	30
49	Reducing FASN expression sensitizes acute myeloid leukemia cells to differentiation therapy. <i>Cell Death and Differentiation</i> , 2021, 28, 2465-2481.	11.2	30
50	CEBPA-dependent HK3 and KLF5 expression in primary AML and during AML differentiation. <i>Scientific Reports</i> , 2014, 4, 4261.	3.3	29
51	The Tumor Suppressor Gene <i>p16</i> Is Transcriptionally Regulated by E2F1. <i>Molecular Cancer Research</i> , 2009, 7, 916-922.	3.4	28
52	The anti-apoptotic gene BCL2A1 is a novel transcriptional target of PU.1. <i>Leukemia</i> , 2010, 24, 1073-1076.	7.2	28
53	The stem cell gene <i>inhibitor of differentiation 1</i> (ID1) is frequently expressed in non-small cell lung cancer. <i>Lung Cancer</i> , 2011, 71, 306-311.	2.0	28
54	Progress and Challenges in the Use of MAP1LC3 as a Legitimate Marker for Measuring Dynamic Autophagy In Vivo. <i>Cells</i> , 2020, 9, 1321.	4.1	27

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55	Inhibition of GATE-16 attenuates ATRA-induced neutrophil differentiation of APL cells and interferes with autophagosome formation. <i>Biochemical and Biophysical Research Communications</i> , 2013, 438, 283-288.	2.1	26
56	The RNA binding proteins RBM38 and DND1 are repressed in AML and have a novel function in APL differentiation. <i>Leukemia Research</i> , 2016, 41, 96-102.	0.8	26
57	PU.1 supports TRAIL-induced cell death by inhibiting NF- κ B-mediated cell survival and inducing DR5 expression. <i>Cell Death and Differentiation</i> , 2017, 24, 866-877.	11.2	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. <i>British Journal of Haematology</i> , 1999, 106, 644-651.	2.5	23
59	PU.1 binding to the p53 family of tumor suppressors impairs their transcriptional activity. <i>Oncogene</i> , 2008, 27, 3489-3493.	5.9	23
60	Her2-Targeted Therapy Induces Autophagy in Esophageal Adenocarcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3069.	4.1	23
61	Modulation of drug resistance by artificial transcription factors. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 688-697.	4.1	22
62	Human DMTF1 ^{Δ2} antagonizes DMTF1 ^{Δ1} regulation of the p14ARF tumor suppressor and promotes cellular proliferation. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2015, 1849, 1198-1208.	1.9	22
63	Hexokinase 3 enhances myeloid cell survival via non-glycolytic functions. <i>Cell Death and Disease</i> , 2022, 13, 448.	6.3	22
64	Aberrant FHIT mRNA transcripts are present in malignant and normal haematopoiesis, but absence of FHIT protein is restricted to leukaemia. <i>Oncogene</i> , 1999, 18, 79-85.	5.9	20
65	Inhibition of damage-regulated autophagy modulator-1 (DRAM-1) impairs neutrophil differentiation of NB4 APL cells. <i>Leukemia Research</i> , 2012, 36, 1552-1556.	0.8	18
66	The tumor suppressor gene DAPK2 is induced by the myeloid transcription factors PU.1 and C/EBP α during granulocytic differentiation but repressed by PML-RAR α in APL. <i>Journal of Leukocyte Biology</i> , 2014, 95, 83-93.	3.3	18
67	Lysosomes in acute myeloid leukemia: potential therapeutic targets?. <i>Leukemia</i> , 2021, 35, 2759-2770.	7.2	18
68	A specific expression profile of LC3B and p62 is associated with nonresponse to neoadjuvant chemotherapy in esophageal adenocarcinomas. <i>PLoS ONE</i> , 2018, 13, e0197610.	2.5	17
69	Different p16INK4a and p14ARF Expression Patterns in Acute Myeloid Leukaemia and Normal Blood Leukocytes. <i>Leukemia and Lymphoma</i> , 2001, 42, 1077-1087.	1.3	16
70	Attenuation of EPO-dependent erythroblast formation by death-associated protein kinase-2. <i>Blood</i> , 2008, 112, 886-890.	1.4	16
71	Chaperone-Mediated Autophagy Markers LAMP2A and HSC70 Are Independent Adverse Prognostic Markers in Primary Resected Squamous Cell Carcinomas of the Lung. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-12.	4.0	16
72	Transcriptional regulation of <i>MIR29B</i> by <i>PU.1</i> (<i>SPI1</i>) and <i>MYC</i> during neutrophil differentiation of acute promyelocytic leukaemia cells. <i>British Journal of Haematology</i> , 2012, 157, 270-274.	2.5	15

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73	Induction of the autophagy-associated gene MAP1S via PU.1 supports APL differentiation. <i>Leukemia Research</i> , 2014, 38, 1041-1047.	0.8	15
74	The autophagy scaffold protein ALFY is critical for the granulocytic differentiation of AML cells. <i>Scientific Reports</i> , 2017, 7, 12980.	3.3	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. <i>Cancers</i> , 2018, 10, 281.	3.7	15
76	Inhibition of UBE2L6 attenuates ISGylation and impedes ATRA-induced differentiation of leukemic cells. <i>Molecular Oncology</i> , 2020, 14, 1297-1309.	4.6	15
77	Distinct TP73/DAPK2/ATG5 pathway involvement in ATO-mediated cell death versus ATRA-mediated autophagy responses in APL. <i>Journal of Leukocyte Biology</i> , 2017, 102, 1357-1370.	3.3	14
78	Inactivation of the hypermethylated in cancer 1 tumour suppressor - not just a question of promoter hypermethylation?. <i>Swiss Medical Weekly</i> , 2010, 140, w13106.	1.6	14
79	The granulocyte orphan receptor CEACAM4 is able to trigger phagocytosis of bacteria. <i>Journal of Leukocyte Biology</i> , 2015, 97, 521-531.	3.3	13
80	The role of autophagy in HER2-targeted therapy. <i>Swiss Medical Weekly</i> , 2019, 149, w20138.	1.6	13
81	The LIM Protein Ajuba Augments Tumor Metastasis in Colon Cancer. <i>Cancers</i> , 2020, 12, 1913.	3.7	12
82	Assessing Autophagy in Archived Tissue or How to Capture Autophagic Flux from a Tissue Snapshot. <i>Biology</i> , 2020, 9, 59.	2.8	12
83	The hDMP1 tumor suppressor is a new WT1 target in myeloid leukemias. <i>Leukemia</i> , 2008, 22, 1087-1090.	7.2	11
84	Identification of Novel Death-Associated Protein Kinase 2 Interaction Partners by Proteomic Screening Coupled with Bimolecular Fluorescence Complementation. <i>Molecular and Cellular Biology</i> , 2016, 36, 132-143.	2.3	11
85	Synergistic effects of FGFR1 and PLK1 inhibitors target a metabolic liability in KRAS mutant cancer. <i>EMBO Molecular Medicine</i> , 2021, 13, e13193.	6.9	11
86	SIRT1 is downregulated during neutrophil differentiation of acute promyelocytic leukaemia cells. <i>British Journal of Haematology</i> , 2009, 146, 337-341.	2.5	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. <i>Oncotarget</i> , 2014, 5, 4671-4682.	1.8	10
88	Thiazolides promote apoptosis in colorectal tumor cells via MAP kinase-induced Bim and Puma activation. <i>Cell Death and Disease</i> , 2015, 6, e1778-e1778.	6.3	9
89	Impact of p53 Status on Radiosensitization of Tumor Cells by MET Inhibition-Associated Checkpoint Abrogation. <i>Molecular Cancer Research</i> , 2015, 13, 1544-1553.	3.4	9
90	BIRC6 (APOLLON) is down-regulated in acute myeloid leukemia and its knockdown attenuates neutrophil differentiation. <i>Experimental Hematology and Oncology</i> , 2012, 1, 25.	5.0	8

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91	Pro-survival role of p62 during granulocytic differentiation of acute myeloid leukemia cells. <i>Molecular and Cellular Oncology</i> , 2014, 1, e970066.	0.7	8
92	Low DICER1 expression is associated with attenuated neutrophil differentiation and autophagy of NB4 APL cells. <i>Journal of Leukocyte Biology</i> , 2015, 98, 357-363.	3.3	8
93	ALK inhibition activates LC3B-independent, protective autophagy in EML4-ALK positive lung cancer cells. <i>Scientific Reports</i> , 2021, 11, 9011.	3.3	7
94	Crizotinib inhibits migration and expression of ID1 in MET-positive lung cancer cells: implications for MET targeting in oncology. <i>Future Oncology</i> , 2014, 10, 211-217.	2.4	6
95	Blocking the Autophagy Gene 5 (ATG5) Impairs ATRA-Induced Myeloid Differentiation, and ATG5 Is Downregulated in AML. <i>Blood</i> , 2008, 112, 309-309.	1.4	6
96	The actin-binding protein <i>CORO1A</i> is a novel <i>PU.1</i> (<i>SPI1</i>)- and <i>CEBPA</i> -regulated gene with significantly lower expression in <i>APL</i> and <i>CEBPA</i> -mutated <i>AML</i> patients. <i>British Journal of Haematology</i> , 2013, 160, 855-859.	2.5	5
97	Cisplatin sensitivity in breast cancer cells is associated with particular DMTF1 splice variant expression. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 2800-2806.	2.1	5
98	Increased LAMP2A levels correlate with a shorter disease-free survival of HER2 negative breast cancer patients and increased breast cancer cell viability. <i>Biochemical and Biophysical Research Communications</i> , 2021, 569, 47-53.	2.1	5
99	The Chick Chorioallantoic Membrane (CAM) Assay as a Three-dimensional Model to Study Autophagy in Cancer Cells. <i>Bio-protocol</i> , 2019, 9, e3290.	0.4	5
100	Chaperone-Mediated Autophagy Markers LAMP2A and HSPA8 in Advanced Non-Small Cell Lung Cancer after Neoadjuvant Therapy. <i>Cells</i> , 2021, 10, 2731.	4.1	5
101	Divergent Expression of Cclin-Dependent Kinase Inhibitors (CKI) And p14ARF/p16 ^{INK4} in Non-Hodgkin's Lymphomas and Chronic Lymphocytic Leukemia. <i>Leukemia and Lymphoma</i> , 2000, 37, 639-648.	1.3	4
102	Assessing Autophagy During Retinoid Treatment of Breast Cancer Cells. <i>Methods in Molecular Biology</i> , 2019, 2019, 237-256.	0.9	4
103	Linking the SUMO protease SENP5 to neutrophil differentiation of AML cells. <i>Leukemia Research Reports</i> , 2015, 4, 32-35.	0.4	3
104	Role of cardiolipins, mitochondria, and autophagy in the differentiation process activated by all-trans retinoic acid in acute promyelocytic leukemia. <i>Cell Death and Disease</i> , 2022, 13, 30.	6.3	3
105	The Autophagy Gene ULK1 Plays a Role In AML Differentiation and Is Negatively Regulated by the Oncogenic MicroRNA 106a. <i>Blood</i> , 2010, 116, 503-503.	1.4	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. <i>Blood</i> , 2016, 128, 1621-1621.	1.4	1
108	Hexokinase Proteins Impart Distinct Functions in Myeloid Development and Cell Death. <i>Blood</i> , 2018, 132, 5088-5088.	1.4	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.	1.4	0
110	Lentiviral CCR5 Intrabody Gene Delivery Provides Protection and Enrichment during CCR5-Tropic Infection.. Blood, 2004, 104, 1755-1755.	1.4	0
111	Activation of Myeloid Differentiation-Associated Autophagy In Combination with ATRA-Therapy Enhances Neutrophil Differentiation of AML Cells.. Blood, 2010, 116, 1046-1046.	1.4	0
112	Dissecting the Autophagy Tumor Suppressor Pathway Network in Acute Promyelocytic Leukemia Therapy. Blood, 2016, 128, 1560-1560.	1.4	0
113	A Novel PU.1 - Caspase 8/cFLIP Axis in Neutrophil and Macrophage Differentiation of AML Cells. Blood, 2018, 132, 1347-1347.	1.4	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.	1.4	0