Paul G Ekert

List of Publications by Year
in descending order

137 papers	11,961 citations	50276 46 h-index	26613 107 g-index
143 all docs	143 docs citations	143 times ranked	15814 citing authors

#	Article	IF	Citations
1	Identification of DIABLO, a Mammalian Protein that Promotes Apoptosis by Binding to and Antagonizing IAP Proteins. Cell, 2000, 102, 43-53.	28.9	2,191
2	Programmed Anuclear Cell Death Delimits Platelet Life Span. Cell, 2007, 128, 1173-1186.	28.9	910
3	Heritable GATA2 mutations associated with familial myelodysplastic syndrome and acute myeloid leukemia. Nature Genetics, 2011, 43, 1012-1017.	21.4	524
4	Apoptosis initiated by Bcl-2-regulated caspase activation independently of the cytochrome c/Apaf-1/caspase-9 apoptosome. Nature, 2002, 419, 634-637.	27.8	517
5	RIPK1 Regulates RIPK3-MLKL-Driven Systemic Inflammation and Emergency Hematopoiesis. Cell, 2014, 157, 1175-1188.	28.9	492
6	HtrA2 Promotes Cell Death through Its Serine Protease Activity and Its Ability to Antagonize Inhibitor of Apoptosis Proteins. Journal of Biological Chemistry, 2002, 277, 445-454.	3.4	484
7	Caspase inhibitors. Cell Death and Differentiation, 1999, 6, 1081-1086.	11.2	415
8	Nano-targeted induction of dual ferroptotic mechanisms eradicates high-risk neuroblastoma. Journal of Clinical Investigation, 2018, 128, 3341-3355.	8.2	406
9	A prospective evaluation of whole-exome sequencing as a first-tier molecular test in infants with suspected monogenic disorders. Genetics in Medicine, 2016, 18, 1090-1096.	2.4	332
10	The granulocyte-macrophage colony-stimulating factor receptor: linking its structure to cell signaling and its role in disease. Blood, 2009, 114, 1289-1298.	1.4	261
11	The BH3-Only Protein Bid Is Dispensable for DNA Damage- and Replicative Stress-Induced Apoptosis or Cell-Cycle Arrest. Cell, 2007, 129, 423-433.	28.9	189
12	Diablo Promotes Apoptosis by Removing Miha/Xiap from Processed Caspase 9. Journal of Cell Biology, 2001, 152, 483-490.	5.2	188
13	Whole genome, transcriptome and methylome profiling enhances actionable target discovery in high-risk pediatric cancer. Nature Medicine, 2020, 26, 1742-1753.	30.7	185
14	Caspase-2 is not required for thymocyte or neuronal apoptosis even though cleavage of caspase-2 is dependent on both Apaf-1 and caspase-9. Cell Death and Differentiation, 2002, 9, 832-841.	11.2	170
15	Apaf-1 and caspase-9 accelerate apoptosis, but do not determine whether factor-deprived or drug-treated cells die. Journal of Cell Biology, 2004, 165, 835-842.	5.2	169
16	A novel Apaf-1â€“independent putative caspase-2 activation complex. Journal of Cell Biology, 2002, 159, 739-745.	5.2	151
17	Germline HAVCR2 mutations altering TIM-3 characterize subcutaneous panniculitis-like T cell lymphomas with hemophagocytic lymphohistiocytic syndrome. Nature Genetics, 2018, 50, 1650-1657.	21.4	151
18	Lysosomal membrane permeabilization and cathepsin release is a Bax/Bak-dependent, amplifying event of apoptosis in fibroblasts and monocytes. Cell Death and Differentiation, 2010, 17, 1167-1178.	11.2	150

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19	The molecular relationships between apoptosis, autophagy and necroptosis. Seminars in Cell and Developmental Biology, 2015, 39, 63-69.	5.0	142
20	The caspase-8 inhibitor emricasan combines with the SMAC mimetic birinapant to induce necroptosis and treat acute myeloid leukemia. Science Translational Medicine, 2016, 8, 339ra69.	12.4	140
21	Determination of cell survival by RING-mediated regulation of inhibitor of apoptosis (IAP) protein abundance. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16182-16187.	7.1	133
22	The anti-apoptotic activity of XIAP is retained upon mutation of both the caspase 3â€“ and caspase 9â€“interacting sites. Journal of Cell Biology, 2002, 157, 115-124.	5.2	124
23	Monolysocardiolipins accumulate in Barth syndrome but do not lead to enhanced apoptosis. Journal of Lipid Research, 2005, 46, 1182-1195.	4.2	124
24	Enhancing venetoclax activity in acute myeloid leukemia by co-targeting MCL1. Leukemia, 2018, 32, 303-312.	7.2	123
25	Nerve Growth Factor Signaling through p75 Induces Apoptosis in Schwann Cells via a Bcl-2-Independent Pathway. Journal of Neuroscience, 1999, 19, 4828-4838.	3.6	117
26	The mitochondrial death squad: hardened killers or innocent bystanders?. Current Opinion in Cell Biology, 2005, 17, 626-630.	5.4	110
27	Direct inhibition of caspase 3 is dispensable for the anti-apoptotic activity of XIAP. EMBO Journal, 2001, 20, 3114-3123.	7.8	101
28	The mitochondrial protein Bak is pivotal for gliotoxin-induced apoptosis and a critical host factor of <i>Aspergillus fumigatus</i> virulence in mice. Journal of Cell Biology, 2006, 174, 509-519.	5.2	98
29	Targeting p38 or MK2 Enhances the Anti-Leukemic Activity of Smac-Mimetics. Cancer Cell, 2016, 29, 145-158.	16.8	93
30	Histone H3.3G34-Mutant Interneuron Progenitors Co-opt PDGFRA for Gliomagenesis. Cell, 2020, 183, 1617-1633.e22.	28.9	93
31	Predicting the outcome of postasphyxial hypoxicischemic encephalopathy within 4 hours of birth. Journal of Pediatrics, 1997, 131, 613-617.	1.8	91
32	Bcl-2â€“regulated apoptosis and cytochrome c release can occur independently of both caspase-2 and caspase-9. Journal of Cell Biology, 2004, 165, 775-780.	5.2	91
33	Brief Report: Potent clinical and radiological response to larotrectinib in TRK fusion-driven high-grade glioma. British Journal of Cancer, 2018, 119, 693-696.	6.4	90
34	Insights into the pathogenesis of cerebral lesions in incontinentia pigmenti. Pediatric Neurology, 2003, 29, 148-150.	2.1	84
35	Identification of mammalian mitochondrial proteins that interact with IAPs via N-terminal IAP binding motifs. Cell Death and Differentiation, 2007, 14, 348-357.	11.2	83
36	Signalling by the Î²c family of cytokines. Cytokine and Growth Factor Reviews, 2013, 24, 189-201.	7.2	80

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37	Apoptosis and the immune system. British Medical Bulletin, 1997, 53, 591-603.	6.9	75
38	Inhibition of apoptosis and clonogenic survival of cells expressing crmA variants: optimal caspase substrates are not necessarily optimal inhibitors. EMBO Journal, 1999, 18, 330-338.	7.8	75
39	Molecular basis of cytokine receptor activation. IUBMB Life, 2010, 62, 509-518.	3.4	70
40	Puma indirectly activates Bax to cause apoptosis in the absence of Bid or Bim. Cell Death and Differentiation, 2009, 16, 555-563.	11.2	67
41	Cell death provoked by loss of interleukin-3 signaling is independent of Bad, Bim, and PI3 kinase, but depends in part on Puma. Blood, 2006, 108, 1461-1468.	1.4	64
42	The GM-CSF receptor family: Mechanism of activation and implications for disease. Growth Factors, 2012, 30, 63-75.	1.7	64
43	Crossing paths: interactions between the cell death machinery and growth factor survival signals. Cellular and Molecular Life Sciences, 2010, 67, 1619-1630.	5.4	60
44	Imprinted CDKN1C Is a Tumor Suppressor in Rhabdoid Tumor and Activated by Restoration of SMARCB1 and Histone Deacetylase Inhibitors. PLoS ONE, 2009, 4, e4482.	2.5	57
45	Targeting acute myeloid leukemia by dual inhibition of PI3K signaling and Cdk9-mediated Mcl-1 transcription. Blood, 2013, 122, 738-748.	1.4	53
46	The application of RNA sequencing for the diagnosis and genomic classification of pediatric acute lymphoblastic leukemia. Blood Advances, 2020, 4, 930-942.	5.2	52
47	ER stress does not cause upregulation and activation of caspase-2 to initiate apoptosis. Cell Death and Differentiation, 2014, 21, 475-480.	11.2	49
48	HoxA9 regulated Bcl-2 expression mediates survival of myeloid progenitors and the severity of HoxA9-dependent leukemia. Oncotarget, 2013, 4, 1933-1947.	1.8	48
49	The p35 relative, p49, inhibits mammalian and Drosophila caspases including DRONC and protects against apoptosis. Cell Death and Differentiation, 2002, 9, 1311-1320.	11.2	46
50	Functionally distinct roles for different miR-155 expression levels through contrasting effects on gene expression, in acute myeloid leukaemia. Leukemia, 2017, 31, 808-820.	7.2	46
51	Sequence as well as functional similarity for DIABLO/Smac and Grim, Reaper and Hid?. Cell Death and Differentiation, 2000, 7, 1275-1275.	11.2	44
52	Human MLL/KMT2A gene exhibits a second breakpoint cluster region for recurrent MLLâ€“USP2 fusions. Leukemia, 2019, 33, 2306-2340.	7.2	41
53	Anti-apoptotic potential of insect cellular and viral IAPs in mammalian cells. Cell Death and Differentiation, 1998, 5, 569-576.	11.2	40
54	Upper cervical spinal cord injury in neonates: The use of magnetic resonance imaging. Journal of Pediatrics, 2001, 138, 105-108.	1.8	37

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55	Akt1 is the principal Akt isoform regulating apoptosis in limiting cytokine concentrations. Cell Death and Differentiation, 2013, 20, 1341-1349.	11.2	37
56	Reprogrammed CRISPR-Cas13b suppresses SARS-CoV-2 replication and circumvents its mutational escape through mismatch tolerance. Nature Communications, 2021, 12, 4270.	12.8	37
57	Exploring the utility of human DNA methylation arrays for profiling mouse genomic DNA. Genomics, 2013, 102, 38-46.	2.9	36
58	Dexamethasone prevents apoptosis in a neonatal rat model of hypoxic-ischemic encephalopathy (HIE) by a reactive oxygen species-independent mechanism. Brain Research, 1997, 747, 9-17.	2.2	35
59	Analysis of candidate antagonists of IAP-mediated caspase inhibition using yeast reconstituted with the mammalian Apaf-1-activated apoptosis mechanism. Apoptosis: an International Journal on Programmed Cell Death, 2001, 6, 331-338.	4.9	34
60	Unlike Diablo/smac, Grim Promotes Global Ubiquitination and Specific Degradation of X Chromosome-linked Inhibitor of Apoptosis (XIAP) and Neither Cause Apoptosis. Journal of Biological Chemistry, 2004, 279, 4313-4321.	3.4	32
61	Caspase-2 is resistant to inhibition by inhibitor of apoptosis proteins (IAPs) and can activate caspase-7. FEBS Journal, 2005, 272, 1401-1414.	4.7	32
62	Visual Evoked Potentials for Prediction of Neurodevelopmental Outcome in Preterm Infants. Neonatology, 1997, 71, 148-155.	2.0	30
63	Hoxb8 regulates expression of microRNAs to control cell death and differentiation. Cell Death and Differentiation, 2013, 20, 1370-1380.	11.2	30
64	<i>In vitro</i> differentiation of nearâ€unlimited numbers of functional mouse basophils using conditional Hoxb8. Allergy: European Journal of Allergy and Clinical Immunology, 2013, 68, 604-613.	5.7	30
65	Myeloid progenitor cells lacking p53 exhibit delayed up-regulation of Puma and prolonged survival after cytokine deprivation. Blood, 2010, 115, 344-352.	1.4	29
66	Role of the Î² Common (Î²c) Family of Cytokines in Health and Disease. Cold Spring Harbor Perspectives in Biology, 2018, 10, a028514.	5.5	28
67	Cotargeting BCL-2 and MCL-1 in high-risk B-ALL. Blood Advances, 2020, 4, 2762-2767.	5.2	28
68	Clinicopathological Correlations in Postasphyxial Organ Damage: A Donor Organ Perspective. Pediatrics, 1997, 99, 797-799.	2.1	27
69	Triggering of Apoptosis by Puma Is Determined by the Threshold Set by Prosurvival Bcl-2 Family Proteins. Journal of Molecular Biology, 2008, 384, 313-323.	4.2	27
70	Cytokine receptor signaling activates an IKK-dependent phosphorylation of PUMA to prevent cell death. Cell Death and Differentiation, 2012, 19, 633-641.	11.2	27
71	Immune profiling of pediatric solid tumors. Journal of Clinical Investigation, 2020, 130, 3391-3402.	8.2	27
72	Dysregulation of BCL-2 family proteins by leukemia fusion genes. Journal of Biological Chemistry, 2017, 292, 14325-14333.	3.4	26

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73	Cytoplasmic p53 is not required for PUMA-induced apoptosis. Cell Death and Differentiation, 2008, 15, 213-215.	11.2	25
74	ALLSorts: an RNA-Seq subtype classifier for B-cell acute lymphoblastic leukemia. Blood Advances, 2022, 6, 4093-4097.	5.2	25
75	High CD123 levels enhance proliferation in response to IL-3, but reduce chemotaxis by downregulating CXCR4 expression. Blood Advances, 2017, 1, 1067-1079.	5.2	24
76	Human Bcl-2 cannot directly inhibit the Caenorhabditis elegans Apaf-1 homologue CED-4, but can interact with EGL-1. Journal of Cell Science, 2006, 119, 2572-2582.	2.0	23
77	MicroRNA-155 expression and function in AML: An evolving paradigm. Experimental Hematology, 2018, 62, 1-6.	0.4	22
78	JAFFAL: detecting fusion genes with long-read transcriptome sequencing. Genome Biology, 2022, 23, 10.	8.8	20
79	Ceramide-induced integrated stress response overcomes Bcl-2 inhibitor resistance in acute myeloid leukemia. Blood, 2022, 139, 3737-3751.	1.4	20
80	Role of p53 in cAMP/PKA pathway mediated apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2013, 18, 1492-1499.	4.9	19
81	Protein Kinase Activity of Phosphoinositide 3-Kinase Regulates Cytokine-Dependent Cell Survival. PLoS Biology, 2013, 11, e1001515.	5.6	19
82	Efficacy of MEK inhibition in a recurrent malignant peripheral nerve sheath tumor. Npj Precision Oncology, 2021, 5, 9.	5.4	19
83	Spontaneous Liver Hemorrhage During Laparotomy for Necrotizing Enterocolitis: A Potential Role for Recombinant Factor VIIa. Journal of Pediatrics, 2005, 147, 857-859.	1.8	18
84	Two sisters with IMAGe syndrome: Cytomegalic adrenal histopathology, support for autosomal recessive inheritance and literature review. American Journal of Medical Genetics, Part A, 2006, 140A, 1778-1784.	1.2	18
85	Integration of genomics, high throughput drug screening, and personalized xenograft models as a novel precision medicine paradigm for high risk pediatric cancer. Cancer Biology and Therapy, 2018, 19, 1078-1087.	3.4	18
86	Clinker: visualizing fusion genes detected in RNA-seq data. GigaScience, 2018, 7, .	6.4	17
87	MINTIE: identifying novel structural and splice variants in transcriptomes using RNA-seq data. Genome Biology, 2021, 22, 296.	8.8	16
88	Loss of Prkar1a leads to Bcl-2 family protein induction and cachexia in mice. Cell Death and Differentiation, 2014, 21, 1815-1824.	11.2	15
89	Caspase-8 levels affect necessity for mitochondrial amplification in death ligand-induced glioma cell apoptosis. Molecular Carcinogenesis, 2004, 39, 173-182.	2.7	14
90	Response: Does Bid Play a Role in the DNA Damage Response?. Cell, 2007, 130, 10-11.	28.9	14

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91	Interleukin-3-mediated regulation of Î²-catenin in myeloid transformation and acute myeloid leukemia. Journal of Leukocyte Biology, 2014, 96, 83-91.	3.3	13
92	Early Somatosensory Evoked Potentials in Preterm Infants: Their Prognostic Utility. Neonatology, 1997, 71, 83-91.	2.0	12
93	8 Apoptosis, haemopoiesis and leukaemogenesis. Best Practice and Research: Clinical Haematology, 1997, 10, 561-576.	1.1	12
94	The Caenorhabditis elegans CED-9 protein does not directly inhibit the caspase CED-3, in vitro nor in yeast. Cell Death and Differentiation, 2004, 11, 1309-1316.	11.2	12
95	Gene expression analysis reveals HOX gene upregulation in trisomy 8 AML. Leukemia, 2010, 24, 1239-1243.	7.2	12
96	<i>In vitro</i> and <i>inâ€‰vivo</i> drug screens of tumor cells identify novel therapies for highâ€risk child cancer. EMBO Molecular Medicine, 2022, 14, e14608.	6.9	12
97	Diffuse leptomeningeal glioneuronal tumour (DLGNT) in children: the emerging role of genomic analysis. Acta Neuropathologica Communications, 2021, 9, 147.	5.2	11
98	Seeking a MCL-1 inhibitor. Cell Death and Differentiation, 2013, 20, 1440-1441.	11.2	10
99	BH3-only protein Noxa contributes to apoptotic control of stress-erythropoiesis. Apoptosis: an International Journal on Programmed Cell Death, 2013, 18, 1306-1318.	4.9	10
100	The oncogenic properties of EWS/WT1 of desmoplastic small round cell tumors are unmasked by loss of p53 in murine embryonic fibroblasts. BMC Cancer, 2013, 13, 585.	2.6	10
101	Genetic determinants of anthracycline cardiotoxicity â€“ ready for the clinic?. British Journal of Clinical Pharmacology, 2017, 83, 1141-1142.	2.4	10
102	Autophagy and AMLâ€”food for thought. Cell Death and Differentiation, 2016, 23, 5-6.	11.2	9
103	Chimeric Antigen Receptor T cell Therapy and the Immunosuppressive Tumor Microenvironment in Pediatric Sarcoma. Cancers, 2021, 13, 4704.	3.7	9
104	Targeted therapy and disease monitoring in CNTRLâ€FGFR1â€driven leukaemia. Pediatric Blood and Cancer, 2019, 66, e27897.	1.5	8
105	Precision medicine and phosphoproteomics for the identification of novel targeted therapeutic avenues in sarcomas. Biochimica Et Biophysica Acta: Reviews on Cancer, 2021, 1876, 188613.	7.4	8
106	Cycloheximide Can Induce Bax/Bak Dependent Myeloid Cell Death Independently of Multiple BH3-Only Proteins. PLoS ONE, 2016, 11, e0164003.	2.5	8
107	Whole-genome sequencing facilitates patient-specific quantitative PCR-based minimal residual disease monitoring in acute lymphoblastic leukaemia, neuroblastoma and Ewing sarcoma. British Journal of Cancer, 2022, 126, 482-491.	6.4	7
108	Pilot study of a comprehensive precision medicine platform for children with high-risk cancer.. Journal of Clinical Oncology, 2017, 35, 10539-10539.	1.6	7

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109	Chemotherapyâ€related cardiotoxicity: are Australian practitioners missing the point?. Internal Medicine Journal, 2017, 47, 1166-1172.	0.8	6
110	Exploring the feasibility and utility of exomeâ€scale tumour sequencing in a clinical setting. Internal Medicine Journal, 2018, 48, 786-794.	0.8	6
111	A Novel Orthotopic Patient-Derived Xenograft Model of Radiation-Induced Glioma Following Medulloblastoma. Cancers, 2020, 12, 2937.	3.7	6
112	p53-Dependent Transcriptional Responses to Interleukin-3 Signaling. PLoS ONE, 2012, 7, e31428.	2.5	6
113	Enhancing the Potential of Immunotherapy in Paediatric Sarcomas: Breaking the Immunosuppressive Barrier with Receptor Tyrosine Kinase Inhibitors. Biomedicines, 2021, 9, 1798.	3.2	6
114	Stuck long line syndrome. Archives of Disease in Childhood, 2005, 90, 558-558.	1.9	5
115	Quantitative proteomic analysis of EZH2 inhibition in acute myeloid leukemia reveals the targets and pathways that precede the induction of cell death. Proteomics - Clinical Applications, 2017, 11, 1700013.	1.6	5
116	MLL-TFE3: a novel and aggressive KMT2A fusion identified in infant leukemia. Blood Advances, 2020, 4, 4918-4923.	5.2	4
117	Recurrent <i>SPECC1Lâ€"NTRK</i> fusions in pediatric sarcoma and brain tumors. Journal of Physical Education and Sports Management, 2020, 6, a005710.	1.2	4
118	Combined BCL-2 and HDAC Targeting Has Potent and TP53 Independent Activity in AML. Blood, 2018, 132, 1426-1426.	1.4	4
119	SFPQ-ABL1 and BCR-ABL1 use different signaling networks to drive B-cell acute lymphoblastic leukemia. Blood Advances, 2022, 6, 2373-2387.	5.2	4
120	Slinker: Visualising novel splicing events in RNA-Seq data. F1000Research, 2021, 10, 1255.	1.6	2
121	Till Death Do Us Part. Cell Death and Differentiation, 2001, 8, 662-664.	11.2	1
122	Letting the breaks off MYCN. Cell Death and Differentiation, 2016, 23, 1904-1905.	11.2	1
123	Abstract 3111: Zero Childhood Cancer: A comprehensive precision medicine platform for children with high-risk cancer. , 2019, , .		1
124	Evaluating barriers to uptake of comprehensive genomic profiling (CGP) in advanced cancer patients (pts).. Journal of Clinical Oncology, 2020, 38, 2033-2033.	1.6	1
125	Inhibitor of Apoptosis Proteins and Caspases. , 2006, , 313-334.		0
126	Towards an understanding of the biological significance of increased IL-3RÎ± expression in acute myeloid leukaemia stem cells. Experimental Hematology, 2013, 41, S48.	0.4	0

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127	Role for BH3-Only Protein NOXA In Growth-Factor Deprivation and Early Erythropoiesis. Blood, 2010, 116, 4235-4235.	1.4	0
128	Abstract A19: The selective targeting of cell survival pathways in leukemia. , 2013, , .		0
129	Genes Inhibiting Caspases Rescue Neuronal Cells from Apoptosis and Allow Functional Survival of Cells Exposed to a Death Stimulus. Pediatric Research, 1999, 45, 195A-195A.	2.3	0
130	The Role of Receptor Interacting Protein Kinase in Myelopoiesis in Health and Disease. Blood, 2015, 126, SCI-29-SCI-29.	1.4	0
131	The Dose-Dependent Effects of Microrna-155 in Acute Myeloid Leukemia. Blood, 2016, 128, 2841-2841.	1.4	0
132	Abstract LB-138: Zero Childhood Cancer: A comprehensive precision medicine platform for children with high-risk cancer. , 2018, , .		0
133	Abstract LB-137: Integrated genomics: drug screening and personalized xenograft development approach to identify precision treatments for aggressive pediatric brain tumors. , 2018, , .		0
134	Identification of Potent BH3-Mimetic Combinations Targeting Pro-Survival Pathways in Human B-Cell Acute Lymphoblastic Leukemia. Blood, 2018, 132, 567-567.	1.4	0
135	Different Classes of ABL1 Fusions Activate Different Downstream Signalling Nodes. Blood, 2018, 132, 2628-2628.	1.4	0
136	Germline TIM-3 Mutations Characterize Sub-Cutaneous Panniculitis T-Cell Lymphomas with Hemophagocytic Lymphohistiocytic Syndrome. Blood, 2018, 132, 1569-1569.	1.4	0
137	Cycling without brakes lets ALL escape. Blood, 2021, 138, 1912-1913.	1.4	0