

# Thomas G Cotter

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91  
papers

6,238  
citations

35  
h-index

78  
g-index

93  
ext. papers

6,855  
ext. citations

5.1  
avg. IF

6.44  
L-index

#	Paper	IF	Citations
91	Rod Photoreceptor Neuroprotection in Dark-Reared Pde6brd10 Mice <b>2020</b> , 61, 14		3
90	Norgestrel, a Progesterone Analogue, Promotes Significant Long-Term Neuroprotection of Cone Photoreceptors in a Mouse Model of Retinal Disease <b>2019</b> , 60, 3221-3235		11
89	Cell Death Analysis in Retinal Cultures. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1834, 143-152	1.4	
88	Microglial-induced Müller cell gliosis is attenuated by progesterone in a mouse model of retinitis pigmentosa. <i>Glia</i> , <b>2018</b> , 66, 295-310	9	34
87	ROS signalling in the biology of cancer. <i>Seminars in Cell and Developmental Biology</i> , <b>2018</b> , 80, 50-64	7.5	703
86	Antibody-Targeted Cyclodextrin-Based Nanoparticles for siRNA Delivery in the Treatment of Acute Myeloid Leukemia: Physicochemical Characteristics, in Vitro Mechanistic Studies, and ex Vivo Patient Derived Therapeutic Efficacy. <i>Molecular Pharmaceutics</i> , <b>2017</b> , 14, 940-952	5.6	40
85	Fractalkine-CX3CR1 signaling is critical for progesterone-mediated neuroprotection in the retina. <i>Scientific Reports</i> , <b>2017</b> , 7, 43067	4.9	19
84	Pro-survival redox signalling in progesterone-mediated retinal neuroprotection. <i>European Journal of Neuroscience</i> , <b>2017</b> , 46, 1663-1672	3.5	14
83	Subcellular localization of the FLT3-ITD oncogene plays a significant role in the production of NOX- and p22-derived reactive oxygen species in acute myeloid leukemia. <i>Leukemia Research</i> , <b>2017</b> , 52, 34-42	2.7	26
82	Leukocyte Bim deficiency does not impact atherogenesis in ldlr mice, despite a pronounced induction of autoimmune inflammation. <i>Scientific Reports</i> , <b>2017</b> , 7, 3086	4.9	3
81	Nuclear membrane-localised NOX4D generates pro-survival ROS in FLT3-ITD-expressing AML. <i>Oncotarget</i> , <b>2017</b> , 8, 105440-105457	3.3	5
80	Progesterone analogue protects stressed photoreceptors via bFGF-mediated calcium influx. <i>European Journal of Neuroscience</i> , <b>2016</b> , 44, 3067-3079	3.5	12
79	7-formyl-10-methylisoellipticine, a novel ellipticine derivative, induces mitochondrial reactive oxygen species (ROS) and shows anti-leukaemic activity in mice. <i>Investigational New Drugs</i> , <b>2016</b> , 34, 15-23	4.3	16
78	The synthetic progestin norgestrel acts to increase LIF levels in the rd10 mouse model of retinitis pigmentosa. <i>Molecular Vision</i> , <b>2016</b> , 22, 264-74	2.3	16
77	Alterations to retinal architecture prior to photoreceptor loss in a mouse model of retinitis pigmentosa. <i>International Journal of Developmental Biology</i> , <b>2016</b> , 60, 127-39	1.9	22
76	Progesterone Attenuates Microglial-Driven Retinal Degeneration and Stimulates Protective Fractalkine-CX3CR1 Signaling. <i>PLoS ONE</i> , <b>2016</b> , 11, e0165197	3.7	34
75	Progesterone receptor signalling in retinal photoreceptor neuroprotection. <i>Journal of Neurochemistry</i> , <b>2016</b> , 136, 63-77	6	31

74	The synthetic progesterone Norgestrel is neuroprotective in stressed photoreceptor-like cells and retinal explants, mediating its effects via basic fibroblast growth factor, protein kinase A and glycogen synthase kinase 3 signalling. <i>European Journal of Neuroscience</i> , <b>2016</b> , 43, 899-911	3.5	15
73	The synthetic progestin norgestrel modulates Nrf2 signaling and acts as an antioxidant in a model of retinal degeneration. <i>Redox Biology</i> , <b>2016</b> , 10, 128-139	11.3	22
72	NOX-driven ROS formation in cell transformation of FLT3-ITD-positive AML. <i>Experimental Hematology</i> , <b>2016</b> , 44, 1113-1122	3.1	35
71	New Insight into the Role of Reactive Oxygen Species (ROS) in Cellular Signal-Transduction Processes. <i>International Review of Cell and Molecular Biology</i> , <b>2015</b> , 319, 221-54	6	48
70	NADPH oxidase-generated hydrogen peroxide induces DNA damage in mutant FLT3-expressing leukemia cells. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 9348-61	5.4	50
69	Oxidative Stress Biomarkers and ROS Molecular Probes. <i>ACS Symposium Series</i> , <b>2015</b> , 353-374	0.4	0
68	ROS signalling, NADPH oxidases and cancer. <i>Biochemical Society Transactions</i> , <b>2014</b> , 42, 934-8	5.1	57
67	Redox-regulated growth factor survival signaling. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 19, 1815-27	8.4	21
66	Imatinib and Nilotinib inhibit Bcr-Abl-induced ROS through targeted degradation of the NADPH oxidase subunit p22phox. <i>Leukemia Research</i> , <b>2013</b> , 37, 183-9	2.7	23
65	Redox regulation of protein kinases. <i>FEBS Journal</i> , <b>2013</b> , 280, 1944-65	5.7	180
64	FLT3-driven redox-modulation of Ezrin regulates leukaemic cell migration. <i>Free Radical Research</i> , <b>2013</b> , 47, 20-34	4	6
63	Preventing retinal apoptosis--is there a common therapeutic theme?. <i>Experimental Cell Research</i> , <b>2012</b> , 318, 1278-84	4.2	21
62	Reactive oxygen species regulate prosurvival ERK1/2 signaling and bFGF expression in gliosis within the retina <b>2012</b> , 53, 6645-54		31
61	H2O2 production downstream of FLT3 is mediated by p22phox in the endoplasmic reticulum and is required for STAT5 signalling. <i>PLoS ONE</i> , <b>2012</b> , 7, e34050	3.7	46
60	DUOX enzyme activity promotes AKT signalling in prostate cancer cells. <i>Anticancer Research</i> , <b>2012</b> , 32, 5175-81	2.3	12
59	A novel free radical scavenger rescues retinal cells in vivo. <i>Experimental Eye Research</i> , <b>2011</b> , 93, 65-74	3.7	10
58	bFGF-mediated redox activation of the PI3K/Akt pathway in retinal photoreceptor cells. <i>European Journal of Neuroscience</i> , <b>2011</b> , 33, 632-41	3.5	17
57	Differential roles of ERK1/2 and JNK in retinal development and degeneration. <i>Journal of Neurochemistry</i> , <b>2011</b> , 116, 33-42	6	14

56	Enhancing survival of photoreceptor cells in vivo using the synthetic progestin Norgestrel. <i>Journal of Neurochemistry</i> , <b>2011</b> , 118, 915-27	6	49
55	Age-dependent rat retinal ganglion cell susceptibility to apoptotic stimuli: implications for glaucoma. <i>Clinical and Experimental Ophthalmology</i> , <b>2011</b> , 39, 243-51	2.4	13
54	Inhibition of protein-tyrosine phosphatase 1B (PTP1B) mediates ubiquitination and degradation of Bcr-Abl protein. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 32313-23	5.4	17
53	A stress survival response in retinal cells mediated through inhibition of the serine/threonine phosphatase PP2A. <i>European Journal of Neuroscience</i> , <b>2010</b> , 32, 322-34	3.5	16
52	Rod and cone photoreceptor cells produce ROS in response to stress in a live retinal explant system. <i>Molecular Vision</i> , <b>2010</b> , 16, 283-93	2.3	39
51	Histone deacetylase activity in conjunction with E2F-1 and p53 regulates Apaf-1 expression in 661W cells and the retina. <i>Journal of Neuroscience Research</i> , <b>2009</b> , 87, 887-905	4.4	33
50	Apoptosis and cancer: the genesis of a research field. <i>Nature Reviews Cancer</i> , <b>2009</b> , 9, 501-7	31.3	598
49	Rosiglitazone acts as a neuroprotectant in retinal cells via up-regulation of sestrin-1 and SOD-2. <i>Journal of Neurochemistry</i> , <b>2009</b> , 109, 631-43	6	31
48	Stress-induced activation of Nox contributes to cell survival signalling via production of hydrogen peroxide. <i>Journal of Neurochemistry</i> , <b>2009</b> , 109, 1544-54	6	49
47	Clinical Implications of the Mechanisms Driving Breast Cancer Local Recurrence. <i>Annals of Surgical Oncology</i> , <b>2009</b> , 16, 785-786	3.1	1
46	Hydrogen peroxide as a cell-survival signaling molecule. <i>Antioxidants and Redox Signaling</i> , <b>2009</b> , 11, 2655-71	3.1	238
45	Basic fibroblast growth factor-induced protection from light damage in the mouse retina in vivo. <i>Journal of Neurochemistry</i> , <b>2008</b> , 105, 524-36	6	41
44	Cell death in brain development and degeneration: control of caspase expression may be key!. <i>Molecular Neurobiology</i> , <b>2008</b> , 37, 1-6	6.2	17
43	Key apoptosis regulating proteins are down-regulated during postnatal tissue development. <i>International Journal of Developmental Biology</i> , <b>2007</b> , 51, 415-23	1.9	45
42	bFGF promotes photoreceptor cell survival in vitro by PKA-mediated inactivation of glycogen synthase kinase 3beta and CREB-dependent Bcl-2 up-regulation. <i>Journal of Neurochemistry</i> , <b>2007</b> , 103, 860-70	6	33
41	Bim expression indicates the pathway to retinal cell death in development and degeneration. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 10887-94	6.6	26
40	Age-dependent susceptibility of the retinal ganglion cell layer to cell death. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 807-14		30
39	Histone deacetylase activity regulates apaf-1 and caspase 3 expression in the developing mouse retina. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 2765-72		27

38	ROS and protein oxidation in early stages of cytotoxic drug induced apoptosis. <i>Free Radical Research</i> , <b>2006</b> , 40, 1124-37	4	28
37	Analysis of apoptotic and survival mediators in the early post-natal and mature retina. <i>Experimental Eye Research</i> , <b>2006</b> , 83, 1482-92	3.7	20
36	Decreased expression of pro-apoptotic Bcl-2 family members during retinal development and differential sensitivity to cell death. <i>Developmental Biology</i> , <b>2006</b> , 291, 154-69	3.1	46
35	Induction of BIM(EL) following growth factor withdrawal is a key event in caspase-dependent apoptosis of 661W photoreceptor cells. <i>European Journal of Neuroscience</i> , <b>2006</b> , 24, 981-90	3.5	13
34	Ceramide is the key mediator of oxidative stress-induced apoptosis in retinal photoreceptor cells. <i>Journal of Neurochemistry</i> , <b>2006</b> , 98, 1432-44	6	93
33	Bcr-Abl regulates osteopontin transcription via Ras, PI-3K, aPKC, Raf-1, and MEK. <i>Journal of Leukocyte Biology</i> , <b>2005</b> , 78, 289-300	6.5	16
32	A Novel Bcr-Abl Mediated Pro-Survival Pathway: Reduction of Releasable Calcium Levels in the Endoplasmic Reticulum Inhibits Calcium Dependent Apoptotic Signaling.. <i>Blood</i> , <b>2005</b> , 106, 2621-2621	2.2	
31	Oxidative stress-induced apoptosis in retinal photoreceptor cells is mediated by calpains and caspases and blocked by the oxygen radical scavenger CR-6. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 39268-78	5.4	93
30	Control of mitochondrial integrity by Bcl-2 family members and caspase-independent cell death. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2004</b> , 1644, 133-47	4.9	175
29	Caspase-independent photoreceptor apoptosis in mouse models of retinal degeneration. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 5723-31	6.6	139
28	Live and let die: regulatory mechanisms in Fas-mediated apoptosis. <i>Cellular Signalling</i> , <b>2003</b> , 15, 983-92	4.9	156
27	Bcr-Abl upregulates cytosolic p21WAF-1/CIP-1 by a phosphoinositide-3-kinase (PI3K)-independent pathway. <i>British Journal of Haematology</i> , <b>2003</b> , 123, 34-44	4.5	30
26	Regulation and measurement of oxidative stress in apoptosis. <i>Journal of Immunological Methods</i> , <b>2002</b> , 265, 49-72	2.5	450
25	Inhibition of PI3-kinase sensitises HL60 human leukaemia cells to both chemotherapeutic drug- and Fas-induced apoptosis by a JNK independent pathway. <i>Leukemia Research</i> , <b>2001</b> , 25, 801-11	2.7	12
24	Light-induced photoreceptor apoptosis in vivo requires neuronal nitric-oxide synthase and guanylate cyclase activity and is caspase-3-independent. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 23000-8	5.4	123
23	Light-induced Photoreceptor Apoptosis in vivo is Caspase Independent and Mediated by Nitric Oxide. <i>Scientific World Journal, The</i> , <b>2001</b> , 1, 52	2.2	2
22	Comparative structural and functional analysis of photoreceptor neurons of Rho-/- mice reveal increased survival on C57BL/6J in comparison to 129Sv genetic background. <i>Visual Neuroscience</i> , <b>2001</b> , 18, 437-43	1.7	27
21	A PLASMA FACTOR PROMOTES ERYTHROCYTE SURVIVAL IN CULTURE. <i>Biochemical Society Transactions</i> , <b>2000</b> , 28, A29-A29	5.1	

20	Inhibition of caspase activity delays apoptosis in a transfected NS/0 myeloma cell line. <i>Biotechnology and Bioengineering</i> , <b>2000</b> , 67, 165-176	4.9	21
19	Molecular abnormalities in chronic myeloid leukemia: deregulation of cell growth and apoptosis. <i>Oncologist</i> , <b>2000</b> , 5, 405-15	5.7	57
18	Bax-induced caspase activation and apoptosis via cytochrome c release from mitochondria is inhibitable by Bcl-xL. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 2225-33	5.4	561
17	Antioxidant-mediated inhibition of the heat shock response leads to apoptosis. <i>FEBS Letters</i> , <b>1999</b> , 445, 98-102	3.8	110
16	Reactive oxygen species as mediators of photoreceptor apoptosis in vitro. <i>Experimental Cell Research</i> , <b>1999</b> , 248, 520-30	4.2	91
15	Molecular Events and Mechanisms of Apoptosis. <i>Sepsis</i> , <b>1998</b> , 2, 9-19		24
14	Anti-apoptotic oncogenes prevent caspase-dependent and independent commitment for cell death. <i>Cell Death and Differentiation</i> , <b>1998</b> , 5, 298-306	12.7	160
13	Rapid detection of rod photoreceptor apoptosis by flow cytometry. <i>Cytometry</i> , <b>1998</b> , 33, 89-92		3
12	Chemotherapeutic drug-induced apoptosis in human leukaemic cells is independent of the Fas (APO-1/CD95) receptor/ligand system. <i>British Journal of Haematology</i> , <b>1998</b> , 101, 539-47	4.5	64
11	Functional aspects of apoptosis in hematopoiesis and consequences of failure. <i>Advances in Cancer Research</i> , <b>1997</b> , 71, 121-64	5.9	36
10	Role of peroxide and superoxide anion during tumour cell apoptosis. <i>FEBS Letters</i> , <b>1997</b> , 404, 27-33	3.8	178
9	Downregulation of Bcr-Abl in K562 cells restores susceptibility to apoptosis: characterization of the apoptotic death. <i>Cell Death and Differentiation</i> , <b>1997</b> , 4, 95-104	12.7	38
8	The ability to cleave 28S ribosomal RNA during apoptosis is a cell-type dependent trait unrelated to DNA fragmentation. <i>Cell Death and Differentiation</i> , <b>1997</b> , 4, 289-93	12.7	24
7	Cell shrinkage and apoptosis: a role for potassium and sodium ion efflux. <i>Cell Death and Differentiation</i> , <b>1997</b> , 4, 756-70	12.7	103
6	Use of flow cytometry techniques in studying mechanisms of apoptosis in leukemic cells. <i>Cytometry</i> , <b>1997</b> , 29, 97-105		41
5	Apoptosis, the dermatologist, the venereologist and the patient. <i>Journal of the European Academy of Dermatology and Venereology</i> , <b>1995</b> , 5, 1-8	4.6	
4	BCR-ABL: an anti-apoptosis gene in chronic myelogenous leukemia. <i>Leukemia and Lymphoma</i> , <b>1995</b> , 18, 231-6	1.9	33
3	Inhibition of apoptosis by antioxidants in the human HL-60 leukemia cell line. <i>Biochemical Pharmacology</i> , <b>1995</b> , 50, 1021-9	6	160

2	Cell death in the myeloid lineage. <i>Immunological Reviews</i> , <b>1994</b> , 142, 93-112	11.3	28
1	Apoptosis or necrosis: intracellular levels of glutathione influence mode of cell death. <i>Biochemical Pharmacology</i> , <b>1994</b> , 48, 675-81	6	172