

# Damien J Keating

## 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.

100  
papers

3,608  
citations

33  
h-index

57  
g-index

112  
ext. papers

4,522  
ext. citations

6.6  
avg, IF

5.62  
L-index

#	Paper	IF	Citations
100	Distinguishing the contributions of neuronal and mucosal serotonin in the regulation of colonic motility.. <i>Neurogastroenterology and Motility</i> , <b>2022</b> , e14361	4	0
99	Amperometry in Single Cells and Tissue. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2233, 223-231	1.4	1
98	Serotonin Deficiency Is Associated With Delayed Gastric Emptying. <i>Gastroenterology</i> , <b>2021</b> , 160, 2451-2466.e19	16.3	10
97	Enteroendocrine cells sense bacterial tryptophan catabolites to activate enteric and vagal neuronal pathways. <i>Cell Host and Microbe</i> , <b>2021</b> , 29, 179-196.e9	23.4	28
96	Circulating cathepsin S improves glycaemic control in mice. <i>Journal of Endocrinology</i> , <b>2021</b> , 248, 167-179.e4	4.7	0
95	A Gut-Intrinsic Melanocortin Signaling Complex Augments L-Cell Secretion in Humans. <i>Gastroenterology</i> , <b>2021</b> , 161, 536-547.e2	13.3	4
94	The composition of the gut microbiota following early-life antibiotic exposure affects host health and longevity in later life. <i>Cell Reports</i> , <b>2021</b> , 36, 109564	10.6	5
93	Dynamin regulates L cell secretion in human gut. <i>Molecular and Cellular Endocrinology</i> , <b>2021</b> , 535, 111398.e4	4.4	1
92	Pharmacological and structure-activity relationship studies of oleoyl-lysophosphatidylinositol synthetic mimetics. <i>Pharmacological Research</i> , <b>2021</b> , 172, 105822	10.2	1
91	Diet differentially regulates enterochromaffin cell serotonin content, density and nutrient sensitivity in the mouse small and large intestine. <i>Neurogastroenterology and Motility</i> , <b>2020</b> , 32, e13869	4	3
90	The ever-changing roles of serotonin. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2020</b> , 125, 105776	5.6	41
89	Islets and pancreatic ductal adenocarcinoma - An opportunity for translational research from the Bench to the Bedside <i>Pancreatology</i> , <b>2020</b> , 20, 385-390	3.8	2
88	The Suitability of Glioblastoma Cell Lines as Models for Primary Glioblastoma Cell Metabolism. <i>Cancers</i> , <b>2020</b> , 12,	6.6	3
87	The gut microbiome regulates host glucose homeostasis via peripheral serotonin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 19802-19804	11.5	49
86	Treatment of type 2 diabetes with the designer cytokine IC7Fc. <i>Nature</i> , <b>2019</b> , 574, 63-68	50.4	30
85	Metformin Triggers PYY Secretion in Human Gut Mucosa. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2019</b> , 104, 2668-2674	5.6	9
84	Emerging Roles for Serotonin in Regulating Metabolism: New Implications for an Ancient Molecule. <i>Endocrine Reviews</i> , <b>2019</b> , 40, 1092-1107	27.2	99

83	Extracellular and intracellular sphingosine-1-phosphate distinctly regulates exocytosis in chromaffin cells. <i>Journal of Neurochemistry</i> , <b>2019</b> , 149, 729-746	6	2
82	The Influence of the Gut Microbiome on Host Metabolism Through the Regulation of Gut Hormone Release. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 428	4.6	107
81	Abundance of Synaptic Vesicle-Related Proteins in Alpha-Synuclein-Containing Protein Inclusions Suggests a Targeted Formation Mechanism. <i>Neurotoxicity Research</i> , <b>2019</b> , 35, 883-897	4.3	18
80	Sugar Responses of Human Enterochromaffin Cells Depend on Gut Region, Sex, and Body Mass. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	11
79	What is the role of endogenous gut serotonin in the control of gastrointestinal motility?. <i>Pharmacological Research</i> , <b>2019</b> , 140, 50-55	10.2	32
78	Mechanisms controlling hormone secretion in human gut and its relevance to metabolism. <i>Journal of Endocrinology</i> , <b>2019</b> , 244, R1-R15	4.7	30
77	Cellular Regulation of Peripheral Serotonin <b>2019</b> , 137-153		2
76	Role of 5-Hydroxytryptamine in the Control of Gut Motility <b>2019</b> , 155-166		1
75	Augmented capacity for peripheral serotonin release in human obesity. <i>International Journal of Obesity</i> , <b>2018</b> , 42, 1880-1889	5.5	37
74	HAP1 Is Required for Endocytosis and Signalling of BDNF and Its Receptors in Neurons. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 1815-1830	6.2	12
73	p75 neurotrophin receptor interacts with and promotes BACE1 localization in endosomes aggravating amyloidogenesis. <i>Journal of Neurochemistry</i> , <b>2018</b> , 144, 302-317	6	24
72	Synaptic activation of putative sensory neurons by hexamethonium-sensitive nerve pathways in mouse colon. <i>American Journal of Physiology - Renal Physiology</i> , <b>2018</b> , 314, G53-G64	5.1	14
71	ICAM-1-related long non-coding RNA: promoter analysis and expression in human retinal endothelial cells. <i>BMC Research Notes</i> , <b>2018</b> , 11, 285	2.3	2
70	Metformin-induced glucagon-like peptide-1 secretion contributes to the actions of metformin in type 2 diabetes. <i>JCI Insight</i> , <b>2018</b> , 3,	9.9	44
69	The Regulation of Peripheral Metabolism by Gut-Derived Hormones. <i>Frontiers in Endocrinology</i> , <b>2018</b> , 9, 754	5.7	23
68	The neuronal and endocrine roles of RCAN1 in health and disease. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2018</b> , 45, 377-383	3	19
67	Gut Mechanisms Linking Intestinal Sweet Sensing to Glycemic Control. <i>Frontiers in Endocrinology</i> , <b>2018</b> , 9, 741	5.7	14
66	Regulator of Calcineurin 1 helps coordinate whole-body metabolism and thermogenesis. <i>EMBO Reports</i> , <b>2018</b> , 19,	6.5	21

65	Identification of a Rhythmic Firing Pattern in the Enteric Nervous System That Generates Rhythmic Electrical Activity in Smooth Muscle. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 5507-5522	6.6	50
64	Huntingtin-associated protein-1 (HAP1) regulates endocytosis and interacts with multiple trafficking-related proteins. <i>Cellular Signalling</i> , <b>2017</b> , 35, 176-187	4.9	19
63	The nutrient-sensing repertoires of mouse enterochromaffin cells differ between duodenum and colon. <i>Neurogastroenterology and Motility</i> , <b>2017</b> , 29, e13046	4	39
62	Local Sphingosine Kinase 1 Activity Improves Islet Transplantation. <i>Diabetes</i> , <b>2017</b> , 66, 1301-1311	0.9	3
61	The Diverse Metabolic Roles of Peripheral Serotonin. <i>Endocrinology</i> , <b>2017</b> , 158, 1049-1063	4.8	111
60	Regional differences in nutrient-induced secretion of gut serotonin. <i>Physiological Reports</i> , <b>2017</b> , 5, e13196	2.9	43
59	Mechanisms Controlling Glucose-Induced GLP-1 Secretion in Human Small Intestine. <i>Diabetes</i> , <b>2017</b> , 66, 2144-2149	0.9	69
58	Current Therapies That Modify Glucagon Secretion: What Is the Therapeutic Effect of Such Modifications?. <i>Current Diabetes Reports</i> , <b>2017</b> , 17, 128	5.6	11
57	Inhibition of Miro1 disturbs mitophagy and pancreatic $\beta$ cell function interfering insulin release via IRS-Akt-Foxo1 in diabetes. <i>Oncotarget</i> , <b>2017</b> , 8, 90693-90705	3.3	20
56	Is There a Role for Endogenous 5-HT in Gastrointestinal Motility? How Recent Studies Have Changed Our Understanding. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 891, 113-22	3.6	12
55	Direct Reprogramming of Mouse Fibroblasts to Neural Stem Cells by Small Molecules. <i>Stem Cells International</i> , <b>2016</b> , 2016, 4304916	5	39
54	Huntingtin-associated protein 1: Eutherian adaptation from a TRAK-like protein, conserved gene promoter elements, and localization in the human intestine. <i>BMC Evolutionary Biology</i> , <b>2016</b> , 16, 214	3	8
53	A Syntenic Cross Species Aneuploidy Genetic Screen Links RCAN1 Expression to $\beta$ Cell Mitochondrial Dysfunction in Type 2 Diabetes. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1006033	6	30
52	Huntingtin-associated protein-1 is a synapsin I-binding protein regulating synaptic vesicle exocytosis and synapsin I trafficking. <i>Journal of Neurochemistry</i> , <b>2016</b> , 138, 710-21	6	15
51	Fusion Pore Size Limits 5-HT Release From Single Enterochromaffin Cell Vesicles. <i>Journal of Cellular Physiology</i> , <b>2016</b> , 231, 1593-600	7	19
50	Purification of $\beta$ synuclein containing inclusions from human post mortem brain tissue. <i>Journal of Neuroscience Methods</i> , <b>2016</b> , 266, 141-50	3	17
49	From gut dysbiosis to altered brain function and mental illness: mechanisms and pathways. <i>Molecular Psychiatry</i> , <b>2016</b> , 21, 738-48	15.1	468
48	Exocytosis in non-neuronal cells. <i>Journal of Neurochemistry</i> , <b>2016</b> , 137, 849-59	6	21

47	Activity-driven relaxation of the cortical actomyosin II network synchronizes Munc18-1-dependent neurosecretory vesicle docking. <i>Nature Communications</i> , <b>2015</b> , 6, 6297	17.4	44
46	Homozygous mutation of STXBP5L explains an autosomal recessive infantile-onset neurodegenerative disorder. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 2000-10	5.6	14
45	Rebuttal from Nick J. Spencer, Tiong Cheng Sia, Simon J Brookes, Marcello Costa and Damien J. Keating. <i>Journal of Physiology</i> , <b>2015</b> , 593, 3235	3.9	5
44	CrossTalk opposing view: 5-HT is not necessary for peristalsis. <i>Journal of Physiology</i> , <b>2015</b> , 593, 3229-31	3.9	43
43	Endothelial progenitor cells enhance islet engraftment, influence $\beta$ cell function, and modulate islet connexin 36 expression. <i>Cell Transplantation</i> , <b>2015</b> , 24, 37-48	4	25
42	Serotonin-secreting enteroendocrine cells respond via diverse mechanisms to acute and chronic changes in glucose availability. <i>Nutrition and Metabolism</i> , <b>2015</b> , 12, 55	4.6	30
41	Small molecules demonstrate the role of dynamin as a bi-directional regulator of the exocytosis fusion pore and vesicle release. <i>Molecular Psychiatry</i> , <b>2015</b> , 20, 810-9	15.1	45
40	Gut Serotonin Is a Regulator of Obesity and Metabolism. <i>Gastroenterology</i> , <b>2015</b> , 149, 253-5	13.3	32
39	Huntingtin-associated protein 1 regulates exocytosis, vesicle docking, readily releasable pool size and fusion pore stability in mouse chromaffin cells. <i>Journal of Physiology</i> , <b>2014</b> , 592, 1505-18	3.9	23
38	The $\beta$ cell/EC axis: how do islet cells talk to each other?. <i>Diabetes</i> , <b>2014</b> , 63, 3-11	0.9	66
37	RCAN1 regulates mitochondrial function and increases susceptibility to oxidative stress in mammalian cells. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2014</b> , 2014, 520316	6.7	19
36	Amyloid beta $\beta$ 1-42 up-regulates the expression of sortilin via the p75(NTR)/RhoA signaling pathway. <i>Journal of Neurochemistry</i> , <b>2013</b> , 127, 152-62	6	32
35	Copper modulates the large dense core vesicle secretory pathway in PC12 cells. <i>Metallomics</i> , <b>2013</b> , 5, 700-14	4.5	5
34	RCAN1 regulates vesicle recycling and quantal release kinetics via effects on calcineurin activity. <i>Journal of Neurochemistry</i> , <b>2013</b> , 124, 290-9	6	18
33	Pyrimidin compounds: dual-action small molecule pyrimidine-based dynamin inhibitors. <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 1507-18	4.9	21
32	The presence of 5-HT in myenteric varicosities is not due to uptake of 5-HT released from the mucosa during dissection: use of a novel method for quantifying 5-HT immunoreactivity in myenteric ganglia. <i>Neurogastroenterology and Motility</i> , <b>2013</b> , 25, 849-53	4	7
31	Identification of unique release kinetics of serotonin from guinea-pig and human enterochromaffin cells. <i>Journal of Physiology</i> , <b>2013</b> , 591, 5959-75	3.9	53
30	Adiponectin increases insulin content and cell proliferation in MIN6 cells via PPAR $\delta$ -dependent and PPAR $\gamma$ -independent mechanisms. <i>Diabetes, Obesity and Metabolism</i> , <b>2012</b> , 14, 983-9	6.7	41

29	Exocytosis is impaired in mucopolysaccharidosis IIIA mouse chromaffin cells. <i>Neuroscience</i> , <b>2012</b> , 227, 110-8	3.9	14
28	Increased expression of the glucose-responsive gene, RCAN1, causes hypoinsulinemia, $\beta$ cell dysfunction, and diabetes. <i>Endocrinology</i> , <b>2012</b> , 153, 5212-21	4.8	36
27	Galanin receptor 3--a potential target for acute pancreatitis therapy. <i>Neurogastroenterology and Motility</i> , <b>2011</b> , 23, e141-51	4	19
26	Phosphatidylinositol(4,5)biphosphate coordinates actin-mediated mobilization and translocation of secretory vesicles to the plasma membrane of chromaffin cells. <i>Nature Communications</i> , <b>2011</b> , 2, 491	17.4	65
25	Mechanisms underlying distension-evoked peristalsis in guinea pig distal colon: is there a role for enterochromaffin cells?. <i>American Journal of Physiology - Renal Physiology</i> , <b>2011</b> , 301, G519-27	5.1	86
24	Aging differentially affects multiple aspects of vesicle fusion kinetics. <i>PLoS ONE</i> , <b>2011</b> , 6, e27820	3.7	19
23	Release of 5-hydroxytryptamine from the mucosa is not required for the generation or propagation of colonic migrating motor complexes. <i>Gastroenterology</i> , <b>2010</b> , 138, 659-70	13.3	125
22	CLC-3--a granular anion transporter involved in insulin secretion?. <i>Cell Metabolism</i> , <b>2010</b> , 12, 307-308	24.6	20
21	NKCC1-dependent GABAergic excitation drives synaptic network maturation during early hippocampal development. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 3419-30	6.6	104
20	The contribution of voltage-gated Ca <sup>2+</sup> currents to K <sup>+</sup> channel activation during ovine adrenal chromaffin cell development. <i>International Journal of Developmental Neuroscience</i> , <b>2009</b> , 27, 357-63	2.7	4
19	Exocytosis, Mitochondrial Injury and Oxidative Stress in Neurodegenerative Diseases <b>2009</b> , 65-81		
18	DSCR1/RCAN1 regulates vesicle exocytosis and fusion pore kinetics: implications for Down syndrome and Alzheimer's disease. <i>Human Molecular Genetics</i> , <b>2008</b> , 17, 1020-30	5.6	62
17	Role of the vesicular chloride transporter CLC-3 in neuroendocrine tissue. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 10587-98	6.6	61
16	Linoleic acid induces Ca <sup>2+</sup> -induced inactivation of voltage-dependent Ca <sup>2+</sup> currents in rat pancreatic beta-cells. <i>Journal of Endocrinology</i> , <b>2008</b> , 196, 377-84	4.7	11
15	Mice deficient for the chromosome 21 ortholog Itsn1 exhibit vesicle-trafficking abnormalities. <i>Human Molecular Genetics</i> , <b>2008</b> , 17, 3281-90	5.6	69
14	Mitochondrial dysfunction, oxidative stress, regulation of exocytosis and their relevance to neurodegenerative diseases. <i>Journal of Neurochemistry</i> , <b>2008</b> , 104, 298-305	6	98
13	Somatostatin decreases voltage-gated Ca <sup>2+</sup> currents in GH3 cells through activation of somatostatin receptor 2. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 292, E1863-70	6	19
12	Myristyl trimethyl ammonium bromide and octadecyl trimethyl ammonium bromide are surface-active small molecule dynamin inhibitors that block endocytosis mediated by dynamin I or dynamin II. <i>Molecular Pharmacology</i> , <b>2007</b> , 72, 1425-39	4.3	89

11	Reduction in voltage-gated K <sup>+</sup> currents in primary cultured rat pancreatic beta-cells by linoleic acids. <i>Endocrinology</i> , <b>2006</b> , 147, 674-82	4.8	105
10	Alzheimer's disease and endocytic dysfunction: clues from the Down syndrome-related proteins, DSCR1 and ITSN1. <i>Ageing Research Reviews</i> , <b>2006</b> , 5, 388-401	12	48
9	Ghrelin reduces voltage-gated potassium currents in GH3 cells via cyclic GMP pathways. <i>Endocrine</i> , <b>2005</b> , 28, 217-24		17
8	Oxygen-sensing pathway for SK channels in the ovine adrenal medulla. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2005</b> , 32, 882-7	3	25
7	Long-term inhibition of protein tyrosine kinase impairs electrophysiologic activity and a rapid component of exocytosis in pancreatic beta-cells. <i>Journal of Molecular Endocrinology</i> , <b>2005</b> , 35, 49-59	4.5	9
6	Somatostatin increases voltage-gated K <sup>+</sup> currents in GH3 cells through activation of multiple somatostatin receptors. <i>Endocrinology</i> , <b>2005</b> , 146, 4975-84	4.8	30
5	Activin A stimulates catecholamine secretion from rat adrenal chromaffin cells: a new physiological mechanism. <i>Journal of Endocrinology</i> , <b>2005</b> , 186, R1-5	4.7	4
4	Opioid receptor stimulation suppresses the adrenal medulla hypoxic response in sheep by actions on Ca <sup>2+</sup> and K <sup>+</sup> channels. <i>Journal of Physiology</i> , <b>2004</b> , 555, 489-502	3.9	17
3	Loss of K-Cl co-transporter KCC3 causes deafness, neurodegeneration and reduced seizure threshold. <i>EMBO Journal</i> , <b>2003</b> , 22, 5422-34	13	188
2	Oxygen sensitivity in the sheep adrenal medulla: role of SK channels. <i>American Journal of Physiology - Cell Physiology</i> , <b>2001</b> , 281, C1434-41	5.4	42
1	Enteroendocrine cells sense bacterial tryptophan catabolites to activate enteric and vagal neuronal pathways		2