

# Richard G Kay

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

1,595  
citations

430874

18  
h-index

395702

33  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2167  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trophoblast organoids as a model for maternal-fetal interactions during human placentation. <i>Nature</i> , 2018, 564, 263-267.	27.8	436
2	Enrichment of low molecular weight serum proteins using acetonitrile precipitation for mass spectrometry based proteomic analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3255-3260.	1.5	144
3	Important Role of the GLP-1 Axis for Glucose Homeostasis after Bariatric Surgery. <i>Cell Reports</i> , 2019, 26, 1399-1408.e6.	6.4	121
4	The application of ultra-performance liquid chromatography/tandem mass spectrometry to the detection and quantitation of apolipoproteins in human serum. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 2585-2593.	1.5	108
5	Comparison of Human and Murine Enteroendocrine Cells by Transcriptomic and Peptidomic Profiling. <i>Diabetes</i> , 2019, 68, 1062-1072.	0.6	100
6	Single cell transcriptomic profiling of large intestinal enteroendocrine cells in mice - Identification of selective stimuli for insulin-like peptide-5 and glucagon-like peptide-1 co-expressing cells. <i>Molecular Metabolism</i> , 2019, 29, 158-169.	6.5	77
7	Single-cell RNA-sequencing reveals a distinct population of proglucagon-expressing cells specific to the mouse upper small intestine. <i>Molecular Metabolism</i> , 2017, 6, 1296-1303.	6.5	68
8	Gastrectomy with Roux-en-Y reconstruction as a lean model of bariatric surgery. <i>Surgery for Obesity and Related Diseases</i> , 2018, 14, 562-568.	1.2	49
9	Co-storage and release of insulin-like peptide-5, glucagon-like peptide-1 and peptide YY from murine and human colonic enteroendocrine cells. <i>Molecular Metabolism</i> , 2018, 16, 65-75.	6.5	45
10	Selective stimulation of colonic L cells improves metabolic outcomes in mice. <i>Diabetologia</i> , 2020, 63, 1396-1407.	6.3	45
11	Labeling and Characterization of Human GLP-1-Secreting L-cells in Primary Ileal Organoid Culture. <i>Cell Reports</i> , 2020, 31, 107833.	6.4	42
12	Dual binding motifs underpin the hierarchical association of perilipins 1-3 with lipid droplets. <i>Molecular Biology of the Cell</i> , 2019, 30, 703-716.	2.1	41
13	Peptidomics: A Review of Clinical Applications and Methodologies. <i>Journal of Proteome Research</i> , 2021, 20, 3782-3797.	3.7	40
14	Peptidomic analysis of endogenous plasma peptides from patients with pancreatic neuroendocrine tumours. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1414-1424.	1.5	32
15	Liquid chromatography/mass spectrometry based detection and semi-quantitative analysis of INSL5 in human and murine tissues. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1963-1973.	1.5	26
16	Assessment and Management of Anti-Insulin Autoantibodies in Varying Presentations of Insulin Autoimmune Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 3845-3855.	3.6	24
17	In vitro and in vivo stability and pharmacokinetic profile of unacylated ghrelin (UAG) analogues. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 47, 625-635.	4.0	22
18	Quantitative mass spectrometry for human melanocortin peptides in vitro and in vivo suggests prominent roles for I <sup>2</sup> -MSH and desacetyl I <sup>1</sup> -MSH in energy homeostasis. <i>Molecular Metabolism</i> , 2018, 17, 82-97.	6.5	21

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19	Development of a high-throughput UHPLC-MS/MS (SRM) method for the quantitation of endogenous glucagon from human plasma. <i>Bioanalysis</i> , 2014, 6, 3295-3309.	1.5	18
20	Placental secretome characterization identifies candidates for pregnancy complications. <i>Communications Biology</i> , 2021, 4, 701.	4.4	18
21	Development and validation of an LC-MS/MS method for detection and quantification of in vivo derived metabolites of [Pyr1]apelin-13 in humans. <i>Scientific Reports</i> , 2019, 9, 19934.	3.3	14
22	Development of a UHPLC-MS/MS (SRM) method for the quantitation of endogenous glucagon and dosed GLP-1 from human plasma. <i>Bioanalysis</i> , 2017, 9, 733-751.	1.5	11
23	Mass spectrometric characterisation of the circulating peptidome following oral glucose ingestion in control and gastrectomised patients. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8849.	1.5	11
24	The Human and Mouse Islet Peptidome: Effects of Obesity and Type 2 Diabetes, and Assessment of Intra-islet Production of Glucagon-like Peptide-1. <i>Journal of Proteome Research</i> , 2021, 20, 4507-4517.	3.7	11
25	Stimulation of motilin secretion by bile, free fatty acids, and acidification in human duodenal organoids. <i>Molecular Metabolism</i> , 2021, 54, 101356.	6.5	10
26	The preanalytical stability of glucagon as measured by liquid chromatography tandem mass spectrometry and two commercially available immunoassays. <i>Annals of Clinical Biochemistry</i> , 2017, 54, 293-296.	1.6	9
27	Validation of an ultrasensitive LC-MS/MS method for PTH 1-34 in porcine plasma to support a solid dose PK study. <i>Bioanalysis</i> , 2015, 7, 1435-1445.	1.5	8
28	Characterisation of proguanylin expressing cells in the intestine – evidence for constitutive luminal secretion. <i>Scientific Reports</i> , 2019, 9, 15574.	3.3	8
29	Immunosuppression overcomes insulin- and vector-specific immune responses that limit efficacy of AAV2/8-mediated insulin gene therapy in NOD mice. <i>Gene Therapy</i> , 2019, 26, 40-56.	4.5	8
30	Peptidomics of enteroendocrine cells and characterisation of potential effects of a novel preprogastrin derived-peptide on glucose tolerance in lean mice. <i>Peptides</i> , 2021, 140, 170532.	2.4	7
31	Increased C-Peptide Immunoreactivity in Insulin Autoimmune Syndrome (Hirata Disease) Due to High Molecular Weight Proinsulin. <i>Clinical Chemistry</i> , 2021, 67, 854-862.	3.2	6
32	Organoid Sample Preparation and Extraction for LC-MS Peptidomics. <i>STAR Protocols</i> , 2020, 1, 100164.	1.2	5
33	Murine neuronatin deficiency is associated with a hypervariable food intake and bimodal obesity. <i>Scientific Reports</i> , 2021, 11, 17571.	3.3	5
34	In vitro metabolism of synthetic Elabela/Toddler (ELA-32) peptide in human plasma and kidney homogenates analyzed with mass spectrometry and validation of endogenous peptide quantification in tissues by ELISA. <i>Peptides</i> , 2021, 145, 170642.	2.4	2