

# Nicholas O Davidson

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

2,732  
citations

218677

26  
h-index

189892

50  
g-index

82  
all docs

82  
docs citations

82  
times ranked

3228  
citing authors

#	ARTICLE	IF	CITATIONS
1	APOLIPOPROTEINB: mRNA Editing, Lipoprotein Assembly, and Presecretory Degradation. Annual Review of Nutrition, 2000, 20, 169-193.	10.1	270
2	A mouse model of human familial hypercholesterolemia: Markedly elevated low density lipoprotein cholesterol levels and severe atherosclerosis on a low-fat chow diet. Nature Medicine, 1998, 4, 934-938.	30.7	209
3	Targeted Disruption of the Mouse apobec-1 Gene Abolishes Apolipoprotein B mRNA Editing and Eliminates Apolipoprotein B48. Journal of Biological Chemistry, 1996, 271, 9887-9890.	3.4	131
4	C-to-U RNA Editing: Mechanisms Leading to Genetic Diversity. Journal of Biological Chemistry, 2003, 278, 1395-1398.	3.4	131
5	Altered hepatic triglyceride content after partial hepatectomy without impaired liver regeneration in multiple murine genetic models. Hepatology, 2008, 48, 1097-1105.	7.3	101
6	APOBEC1-mediated RNA editing. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 594-602.	6.6	100
7	MicroRNAs and liver disease. Translational Research, 2011, 157, 241-252.	5.0	94
8	Novel Role for RNA-binding Protein CUGBP2 in Mammalian RNA Editing. Journal of Biological Chemistry, 2001, 276, 47338-47351.	3.4	91
9	Identification of GRY-RBP as an Apolipoprotein B RNA-binding Protein That Interacts with Both Apobec-1 and Apobec-1 Complementation Factor to Modulate C to U Editing. Journal of Biological Chemistry, 2001, 276, 10272-10283.	3.4	90
10	An AU-Rich Sequence Element (UUUN[A/U]U) Downstream of the Edited C in Apolipoprotein B mRNA Is a High-Affinity Binding Site for Apobec-1: Binding of Apobec-1 to This Motif in the 3' Untranslated Region of c-myc Increases mRNA Stability. Molecular and Cellular Biology, 2000, 20, 1982-1992.	2.3	87
11	Genome-wide identification and functional analysis of Apobec-1-mediated C-to-U RNA editing in mouse small intestine and liver. Genome Biology, 2014, 15, R79.	9.6	87
12	Molecular cloning of a human small intestinal apolipoprotein B mRNA editing protein. Nucleic Acids Research, 1994, 22, 1874-1879.	14.5	82
13	Genetic Pathways in Nonalcoholic Fatty Liver Disease: Insights From Systems Biology. Hepatology, 2020, 72, 330-346.	7.3	75
14	C-to-U Editing of Neurofibromatosis 1 mRNA Occurs in Tumors That Express Both the Type II Transcript and apobec-1, the Catalytic Subunit of the Apolipoprotein B mRNA Editing Enzyme. American Journal of Human Genetics, 2002, 70, 38-50.	6.2	67
15	Hepatic Expression of the Catalytic Subunit of the Apolipoprotein B mRNA Editing Enzyme (apobec-1) Ameliorates Hypercholesterolemia in LDL Receptor-Deficient Rabbits. Human Gene Therapy, 1996, 7, 943-957.	2.7	62
16	Liver-specific Deletion of Mouse Tm6sf2 Promotes Steatosis, Fibrosis, and Hepatocellular Cancer. Hepatology, 2021, 74, 1203-1219.	7.3	57
17	Mutagenesis of Apobec-1 Complementation Factor Reveals Distinct Domains That Modulate RNA Binding, Protein-Protein Interaction with Apobec-1, and Complementation of C to U RNA-editing Activity. Journal of Biological Chemistry, 2001, 276, 46386-46393.	3.4	51
18	Targeted Deletion of the Murine apobec-1 Complementation Factor (acf) Gene Results in Embryonic Lethality. Molecular and Cellular Biology, 2005, 25, 7260-7269.	2.3	51

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19	Transgenerational epigenetic effects of the <i>Apobec1</i> cytidine deaminase deficiency on testicular germ cell tumor susceptibility and embryonic viability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2766-73.	7.1	50
20	Apolipoprotein B messenger RNA editing is developmentally regulated in pig small intestine: Nucleotide comparison of apolipoprotein B editing regions in five species. <i>Biochemical and Biophysical Research Communications</i> , 1990, 173, 74-80.	2.1	46
21	Apobec-1 protects intestine from radiation injury through posttranscriptional regulation of cyclooxygenase-2 expression. <i>Gastroenterology</i> , 2004, 127, 1139-1149.	1.3	42
22	Deletion of the AU-Rich RNA Binding Protein Apobec-1 Reduces Intestinal Tumor Burden in <i>Apcmin</i> Mice. <i>Cancer Research</i> , 2007, 67, 8565-8573.	0.9	40
23	Apobec1 complementation factor (A1CF) and RBM47 interact in tissue-specific regulation of C to U RNA editing in mouse intestine and liver. <i>Rna</i> , 2019, 25, 70-81.	3.5	39
24	Diet-induced alterations in intestinal and extrahepatic lipid metabolism in liver fatty acid binding protein knockout mice. <i>Molecular and Cellular Biochemistry</i> , 2009, 326, 79-86.	3.1	37
25	Apolipoprotein B mRNA Editing: A Key Controlling Element Targeting Fats to Proper Tissue. <i>Annals of Medicine</i> , 1993, 25, 539-543.	3.8	33
26	Metabolic subtypes of patients with NAFLD exhibit distinctive cardiovascular risk profiles. <i>Hepatology</i> , 2022, 76, 1121-1134.	7.3	31
27	Thyroid Hormone Regulates Hepatic Triglyceride Mobilization and Apolipoprotein B Messenger Ribonucleic Acid Editing in a Murine Model of Congenital Hypothyroidism. <i>Endocrinology</i> , 2003, 144, 711-719.	2.8	29
28	Conditional Intestinal Lipotoxicity in Apobec-1 <sup>-/-</sup> Mttp-KO Mice. <i>Journal of Biological Chemistry</i> , 2007, 282, 33043-33051.	3.4	28
29	Therapeutic RNA manipulation in liver disease. <i>Hepatology</i> , 2010, 51, 1055-1061.	7.3	27
30	Apobec-1 Complementation Factor Modulates Liver Regeneration by Post-transcriptional Regulation of Interleukin-6 mRNA Stability. <i>Journal of Biological Chemistry</i> , 2010, 285, 19184-19192.	3.4	25
31	Genetic testing in colorectal cancer: who, when, how and why. <i>Keio Journal of Medicine</i> , 2007, 56, 14-20.	1.1	25
32	Molecular Regulation, Evolutionary, and Functional Adaptations Associated with C to U Editing of Mammalian ApolipoproteinB mRNA. <i>Progress in Molecular Biology and Translational Science</i> , 2003, 75, 1-41.	1.9	22
33	Prevention of hepatic fibrosis with liver microsomal triglyceride transfer protein deletion in liver fatty acid binding protein null mice. <i>Hepatology</i> , 2017, 65, 836-852.	7.3	22
34	Hepatocyte and stellate cell deletion of liver fatty acid binding protein reveals distinct roles in fibrogenic injury. <i>FASEB Journal</i> , 2019, 33, 4610-4625.	0.5	21
35	Apobec1 complementation factor overexpression promotes hepatic steatosis, fibrosis, and hepatocellular cancer. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	21
36	Intestine-Specific Mttp Deletion Decreases Mortality and Prevents Sepsis-Induced Intestinal Injury in a Murine Model of <i>Pseudomonas aeruginosa</i> Pneumonia. <i>PLoS ONE</i> , 2012, 7, e49159.	2.5	20

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37	Decreased Expression of Cholesterol 7 $\alpha$ -Hydroxylase and Altered Bile Acid Metabolism in Apobec-1 <sup>-/-</sup> Mice Lead to Increased Gallstone Susceptibility. <i>Journal of Biological Chemistry</i> , 2009, 284, 16860-16871.	3.4	19
38	Liver Fatty Acid-Binding Protein (L-Fabp) Modifies Intestinal Fatty Acid Composition and Adenoma Formation in <i>ApcMin</i> <sup>+/+</sup> Mice. <i>Cancer Prevention Research</i> , 2013, 6, 1026-1037.	1.5	19
39	Crohn's Disease Is Associated With an Increased Prevalence of Nonalcoholic Fatty Liver Disease: A Cross-Sectional Study Using Magnetic Resonance Proton Density Fat Fraction Mapping. <i>Clinical Gastroenterology and Hepatology</i> , 2019, 17, 2816-2818.	4.4	19
40	Parent-of-origin effects of A1CF and AGO2 on testicular germ-cell tumors, testicular abnormalities, and fertilization bias. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5425-33.	7.1	18
41	<i>Escherichia coli</i> sepsis increases hepatic apolipoprotein B secretion by inhibiting degradation. <i>Lipids</i> , 2000, 35, 1079-1086.	1.7	17
42	Reassessment of murine APOBEC1 as a retrovirus restriction factor in vivo. <i>Virology</i> , 2014, 468-470, 601-608.	2.4	16
43	Perilipin 5 and liver fatty acid binding protein function to restore quiescence in mouse hepatic stellate cells. <i>Journal of Lipid Research</i> , 2018, 59, 416-428.	4.2	16
44	The challenge of target sequence specificity in C <sup>5</sup> 'U RNA editing. <i>Journal of Clinical Investigation</i> , 2002, 109, 291-294.	8.2	15
45	Translational approaches to addressing complex genetic pathways in colorectal cancer. <i>Translational Research</i> , 2008, 151, 10-16.	5.0	13
46	Cd36 knockout mice are protected against lithogenic diet-induced gallstones. <i>Journal of Lipid Research</i> , 2017, 58, 1692-1701.	4.2	13
47	Influence of Crohn's disease related polymorphisms in innate immune function on ileal microbiome. <i>PLoS ONE</i> , 2019, 14, e0213108.	2.5	13
48	Bile Acid Diarrhea and NAFLD: Shared Pathways for Distinct Phenotypes. <i>Hepatology Communications</i> , 2020, 4, 493-503.	4.3	13
49	Myeloid-specific <i>Asxl2</i> deletion limits diet-induced obesity by regulating energy expenditure. <i>Journal of Clinical Investigation</i> , 2020, 130, 2644-2656.	8.2	13
50	Impaired Chylomicron Assembly Modifies Hepatic Metabolism Through Bile Acid-Dependent and Transmissible Microbial Adaptations. <i>Hepatology</i> , 2019, 70, 1168-1184.	7.3	12
51	Apolipoprotein B mRNA Editing Is Preserved in the Intestine and Liver of Zinc-Deficient Rats. <i>Journal of Nutrition</i> , 1996, 126, 860-864.	2.9	11
52	Derivation and Internal Validation of a Clinical Prediction Tool to Predict Nonalcoholic Fatty Liver Disease in Patients With Crohn's Disease. <i>Inflammatory Bowel Diseases</i> , 2020, 26, 1917-1925.	1.9	11
53	Mouse and Other Rodent Models of C to U RNA Editing. <i>Methods in Molecular Biology</i> , 2011, 718, 121-135.	0.9	10
54	Dysregulation of mannose-6-phosphate-dependent cholesterol homeostasis in acinar cells mediates pancreatitis. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	9

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55	Grant Writing: Tips and Pointers From a Personal Perspective. <i>Gastroenterology</i> , 2012, 142, 4-7.	1.3	8
56	APOBEC1 mediated C-to-U RNA editing: target sequence and <i>trans</i> -acting factor contribution to 177 RNA editing events in 119 murine transcripts in vivo. <i>Rna</i> , 2021, 27, 876-890.	3.5	8
57	Increased hepatic synthesis and accumulation of plasma apolipoprotein B100 in copper-deficient rats does not result from modification in apolipoprotein B mRNA editing. <i>Lipids</i> , 1996, 31, 433-436.	1.7	7
58	Stem cell and niche regulation in human short bowel syndrome. <i>JCI Insight</i> , 2020, 5, .	5.0	7
59	Increased Adiposity and Reduced Lean Body Mass in Patients with Short Bowel Syndrome. <i>Digestive Diseases and Sciences</i> , 2020, 65, 3271-3279.	2.3	6
60	Validation of the Dallas Steatosis Index to Predict Nonalcoholic Fatty Liver Disease in the UK Biobank Population. <i>Clinical Gastroenterology and Hepatology</i> , 2022, 20, 2638-2640.	4.4	5
61	Grant writing and academic survival: what the fellow needs to know. <i>Gastrointestinal Endoscopy</i> , 2005, 61, 726-727.	1.0	4
62	Mouse Models as Tools to Explore Cytidine-to-Uridine RNA Editing. <i>Methods in Enzymology</i> , 2007, 424, 417-435.	1.0	4
63	How to Prepare for and Write a Grant: Personal Perspectives. <i>Gastroenterology</i> , 2017, 152, 7-11.	1.3	4
64	A trimming-and-retrieving alignment scheme for reduced representation bisulfite sequencing: Fig. 1.. <i>Bioinformatics</i> , 2015, 31, 2040-2042.	4.1	3
65	The data must be accessible to all. <i>Journal of Biological Chemistry</i> , 2020, 295, 4371.	3.4	3
66	Liver-specific deletion of <i>Mttp</i> versus <i>Tm6sf2</i> reveals distinct defects in stepwise VLDL assembly. <i>Journal of Lipid Research</i> , 2021, 62, 100080.	4.2	3
67	Inhibition of chylomicron assembly leads to dissociation of hepatic steatosis from inflammation and fibrosis. <i>Journal of Lipid Research</i> , 2021, 62, 100123.	4.2	3
68	Missense Mutant Patatin-Like Phospholipase Domain Containing 3 Alters Lipid Droplet Turnover in Partnership With CGL58. <i>Hepatology</i> , 2019, 69, 2323-2325.	7.3	2
69	Increased Risk of Advanced Colonic Adenomas and Timing of Surveillance Colonoscopy Following Solid Organ Transplantation. <i>Digestive Diseases and Sciences</i> , 2021, , 1.	2.3	2
70	The Data Must Be Accessible to All. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 569-570.	3.8	2
71	RNA Editing: Another Level of Somatic Mutagenic Activity in Gastric Cancer. <i>Gastroenterology</i> , 2016, 151, 584-587.	1.3	1
72	Genetic Regulation of Intestinal Lipid Transport and Metabolism. , 2018, , 1109-1131.		1

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73	Tieing Up Angiogenesis to Treat Nonalcoholic Steatohepatitis. <i>Hepatology</i> , 2019, 69, 937-939.	7.3	1
74	Opening ASBMB publications freely to all. <i>Journal of Biological Chemistry</i> , 2020, 295, 7814-7815.	3.4	1
75	Opening ASBMB publications freely to all. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 914-915.	3.8	1
76	Ceramide Salvage, Gut Mucosal Immunoglobulin A Signaling, and Diet-Induced NASH. <i>Hepatology</i> , 2021, 73, 884-886.	7.3	1
77	The data must be accessible to all. <i>Journal of Lipid Research</i> , 2020, 61, 465.	4.2	1
78	Building bridges: PCSK7 as a NAFLD candidate gene connecting hepatic inflammation with hypertriglyceridemia. <i>Journal of Lipid Research</i> , 2019, 60, 1067-1068.	4.2	0
79	Dropping in on Lipid Mobilization From the Gut. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 7, 291-292.	4.5	0
80	Opening ASBMB publications freely to all. <i>Journal of Lipid Research</i> , 2020, 61, 969-970.	4.2	0