

# Marco Pontoglio

## List of Publications by Year in descending order

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56  
papers

5,739  
citations

101543

36  
h-index

144013

57  
g-index

57  
all docs

57  
docs citations

57  
times ranked

7014  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional architecture of nephrons in the normal and cystic kidney. <i>Kidney International</i> , 2021, 99, 632-645.	5.2	10
2	Single cell regulatory landscape of the mouse kidney highlights cellular differentiation programs and disease targets. <i>Nature Communications</i> , 2021, 12, 2277.	12.8	122
3	Developmental Renal Glomerular Defects at the Origin of Glomerulocystic Disease. <i>Cell Reports</i> , 2020, 33, 108304.	6.4	4
4	The primary cilium and lipophagy translate mechanical forces to direct metabolic adaptation of kidney epithelial cells. <i>Nature Cell Biology</i> , 2020, 22, 1091-1102.	10.3	45
5	mTOR and S6K1 drive polycystic kidney by the control of Afadin-dependent oriented cell division. <i>Nature Communications</i> , 2020, 11, 3200.	12.8	20
6	Hepatocyte nuclear factor-1 $\beta$ regulates Wnt signaling through genome-wide competition with $\beta$ -catenin/lymphoid enhancer binding factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24133-24142.	7.1	19
7	Mechanism of Fibrosis in HNF1B-Related Autosomal Dominant Tubulointerstitial Kidney Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 2493-2509.	6.1	47
8	Hepatocyte Nuclear Factor-1 $\beta$ Regulates Urinary Concentration and Response to Hypertonicity. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 2887-2900.	6.1	31
9	Hepatocyte Nuclear Factor-1 $\beta$ Controls Mitochondrial Respiration in Renal Tubular Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 3205-3217.	6.1	43
10	MITF controls branching morphogenesis and nephron endowment. <i>PLoS Genetics</i> , 2017, 13, e1007093.	3.5	12
11	Hepatocyte nuclear factor 1 $\beta$ suppresses steatosis-associated liver cancer by inhibiting PPAR $\gamma$ transcription. <i>Journal of Clinical Investigation</i> , 2017, 127, 1873-1888.	8.2	58
12	Tubular proteinuria in patients with HNF1 $\beta$ mutations: HNF1 $\beta$ drives endocytosis in the proximal tubule. <i>Kidney International</i> , 2016, 89, 1075-1089.	5.2	29
13	Stat3 Controls Tubulointerstitial Communication during CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 3690-3705.	6.1	75
14	Human mutations affect the epigenetic/bookmarking function of HNF1B. <i>Nucleic Acids Research</i> , 2016, 44, 8097-8111.	14.5	55
15	Transcription Factor Hepatocyte Nuclear Factor-1 $\beta$ Regulates Renal Cholesterol Metabolism. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 2408-2421.	6.1	23
16	Transcription Factor Hepatocyte Nuclear Factor-1 $\beta$ (HNF-1 $\beta$ ) Regulates MicroRNA-200 Expression through a Long Noncoding RNA. <i>Journal of Biological Chemistry</i> , 2015, 290, 24793-24805.	3.4	42
17	AKT2 is essential to maintain podocyte viability and function during chronic kidney disease. <i>Nature Medicine</i> , 2013, 19, 1288-1296.	30.7	187
18	miR-17-92 miRNA cluster promotes kidney cyst growth in polycystic kidney disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10765-10770.	7.1	144

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19	Hepatocyte nuclear factor 1 $\beta$ controls nephron tubular development. <i>Development (Cambridge)</i> , 2013, 140, 886-896.	2.5	111
20	A transcriptional network underlies susceptibility to kidney disease progression. <i>EMBO Molecular Medicine</i> , 2012, 4, 825-839.	6.9	18
21	<i>HNF1B</i> deficiency causes ciliary defects in human cholangiocytes. <i>Hepatology</i> , 2012, 56, 1178-1181.	7.3	26
22	A classification of ductal plate malformations based on distinct pathogenic mechanisms of biliary dysmorphogenesis. <i>Hepatology</i> , 2011, 53, 1959-1966.	7.3	96
23	Polycystin-2 and phosphodiesterase 4C are components of a ciliary A-kinase anchoring protein complex that is disrupted in cystic kidney diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10679-10684.	7.1	117
24	A mitotic transcriptional switch in polycystic kidney disease. <i>Nature Medicine</i> , 2010, 16, 106-110.	30.7	140
25	A murine model of Denysâ€“Drash syndrome reveals novel transcriptional targets of WT1 in podocytes. <i>Human Molecular Genetics</i> , 2010, 19, 1-15.	2.9	46
26	HNF-1 $\beta$ Regulates Transcription of the PKD Modifier Gene Kif12. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 41-47.	6.1	54
27	Mitochondrial Dysfunction Contributes to Impaired Insulin Secretion in INS-1 Cells with Dominant-negative Mutations of HNF-1 $\beta$ and in HNF-1 $\beta$ -deficient Islets. <i>Journal of Biological Chemistry</i> , 2009, 284, 16808-16821.	3.4	27
28	Genome-wide discovery of functional transcription factor binding sites by comparative genomics: The case of Stat3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5117-5122.	7.1	73
29	Planar cell polarity and cilia. <i>Seminars in Cell and Developmental Biology</i> , 2009, 20, 998-1005.	5.0	36
30	Loss of Fat4 disrupts PCP signaling and oriented cell division and leads to cystic kidney disease. <i>Nature Genetics</i> , 2008, 40, 1010-1015.	21.4	455
31	Hepatic Stem-like Phenotype and Interplay of Wnt/ $\beta$ -Catenin and Myc Signaling in Aggressive Childhood Liver Cancer. <i>Cancer Cell</i> , 2008, 14, 471-484.	16.8	443
32	HNF1 $\beta$ and defective nephrogenesis: a role for interacting partners?. <i>Kidney International</i> , 2008, 74, 145-147.	5.2	7
33	Mutations of HNF-1 $\beta$ inhibit epithelial morphogenesis through dysregulation of SOCS-3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20386-20391.	7.1	59
34	Defective planar cell polarity in polycystic kidney disease. <i>Nature Genetics</i> , 2006, 38, 21-23.	21.4	477
35	The SWI/SNF chromatin-remodeling complex subunit SNF5 is essential for hepatocyte differentiation. <i>EMBO Journal</i> , 2005, 24, 3313-3324.	7.8	87
36	Alpha/Beta Interferon Differentially Modulates the Clearance of Cytoplasmic Encapsidated Replication Intermediates and Nuclear Covalently Closed Circular Hepatitis B Virus (HBV) DNA from the Livers of Hepatocyte Nuclear Factor 1 $\beta$ -Null HBV Transgenic Mice. <i>Journal of Virology</i> , 2005, 79, 11045-11052.	3.4	29

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37	Role of the Hepatocyte Nuclear Factor-1 $\hat{1}$ <sup>2</sup> (HNF-1 $\hat{1}$ <sup>2</sup> ) C-terminal Domain in Pkhd1 (ARPKD) Gene Transcription and Renal Cystogenesis. <i>Journal of Biological Chemistry</i> , 2005, 280, 10578-10586.	3.4	77
38	A Genomic Map of p53 Binding Sites Identifies Novel p53 Targets Involved in an Apoptotic Network. <i>Cancer Research</i> , 2005, 65, 5096-5104.	0.9	74
39	A transcriptional network in polycystic kidney disease. <i>EMBO Journal</i> , 2004, 23, 1657-1668.	7.8	303
40	Cystic kidney diseases: learning from animal models. <i>Nephrology Dialysis Transplantation</i> , 2004, 19, 2700-2702.	0.7	17
41	Hepatocyte Nuclear Factor 1 $\hat{1}$ $\pm$ Controls Renal Expression of the Npt1-Npt4 Anionic Transporter Locus. <i>Journal of Molecular Biology</i> , 2002, 322, 929-941.	4.2	49
42	Bile system morphogenesis defects and liver dysfunction upon targeted deletion of HNF1 $\hat{1}$ <sup>2</sup> . <i>Development (Cambridge)</i> , 2002, 129, 1829-1838.	2.5	297
43	Characterization of the Human OATP-C (SLC21A6) Gene Promoter and Regulation of Liver-specific OATP Genes by Hepatocyte Nuclear Factor 1 $\hat{1}$ $\pm$ . <i>Journal of Biological Chemistry</i> , 2001, 276, 37206-37214.	3.4	146
44	Hepatocyte Nuclear Factor 1 $\hat{1}$ $\pm$ Controls the Expression of Terminal Complement Genes. <i>Journal of Experimental Medicine</i> , 2001, 194, 1683-1690.	8.5	19
45	Embryonic but Not Postnatal Reexpression of Hepatocyte Nuclear Factor 1 $\hat{1}$ $\pm$ (HNF1 $\hat{1}$ $\pm$ ) Can Reactivate the Silent Phenylalanine Hydroxylase Gene in HNF1 $\hat{1}$ $\pm$ -Deficient Hepatocytes. <i>Molecular and Cellular Biology</i> , 2001, 21, 3662-3670.	2.3	12
46	Nuclear Covalently Closed Circular Viral Genomic DNA in the Liver of Hepatocyte Nuclear Factor 1 $\hat{1}$ $\pm$ -Null Hepatitis B Virus Transgenic Mice. <i>Journal of Virology</i> , 2001, 75, 2900-2911.	3.4	103
47	HNF1 $\hat{1}$ $\pm$ controls renal glucose reabsorption in mouse and man. <i>EMBO Reports</i> , 2000, 1, 359-365.	4.5	192
48	Hepatocyte Nuclear Factor 1, a Transcription Factor at the Crossroads of Glucose Homeostasis. <i>Journal of the American Society of Nephrology: JASN</i> , 2000, 11, S140-S143.	6.1	105
49	Anatomy of a Homeoprotein Revealed by the Analysis of Human MODY3 Mutations. <i>Journal of Biological Chemistry</i> , 1999, 274, 35639-35646.	3.4	90
50	Defective Pancreatic $\hat{1}$ <sup>2</sup> -Cell Glycolytic Signaling in Hepatocyte Nuclear Factor-1 $\hat{1}$ $\pm$ -deficient Mice. <i>Journal of Biological Chemistry</i> , 1998, 273, 24457-24464.	3.4	149
51	Analysis of the distribution of binding sites for a tissue-specific transcription factor in the vertebrate genome 1 1 Edited by M. Gottesman. <i>Journal of Molecular Biology</i> , 1997, 266, 231-245.	4.2	164
52	Hepatocyte Nuclear Factor 1 Inactivation Results in Hepatic Dysfunction, Phenylketonuria, and Renal Fanconi Syndrome. <i>Cell</i> , 1996, 84, 575-585.	28.9	562
53	Structure of the gene encoding hepatocyte nuclear factor 1 (HNF1). <i>Nucleic Acids Research</i> , 1992, 20, 4199-4204.	14.5	23
54	Functional analysis of the human lecithin cholesterol acyl transferase gene promoter. <i>Biochemical and Biophysical Research Communications</i> , 1991, 180, 1469-1475.	2.1	10

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55	Lecithin cholesterol acyl transferase deficiency: molecular analysis of a mutated allele. Human Genetics, 1990, 85, 195-9.	3.8	54
56	Definition of the transcription initiation site of human plasminogen gene in liver and non hepatic cell lines. Biochemical and Biophysical Research Communications, 1990, 173, 1013-1018.	2.1	19