Amy Jayne McKnight

List of Publications by Year
in descending order

120 papers	8,856 citations	126708 33 h-index	51492 86 g-index
127 all docs	127 docs citations	127 times ranked	16047 citing authors

#	Article	IF	Citations
1	Carer reported experiences: Supporting someone with a rare disease. Health and Social Care in the Community, 2022, 30, 1097-1108.	0.7	13
2	An investigation into DNA methylation patterns associated with risk preference in older individuals. Epigenetics, 2022, 17, 1159-1172.	1.3	1
3	The Role of Epigenetic Clocks in Explaining Educational Inequalities in Mortality: A Multicohort Study and Meta-analysis. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 1750-1759.	1.7	9
4	A Formative Study of the Implementation of Whole Genome Sequencing in Northern Ireland. Genes, 2022, 13, 1104.	1.0	1
5	Genome-wide meta-analysis and omics integration identifies novel genes associated with diabetic kidney disease. Diabetologia, 2022, 65, 1495-1509.	2.9	16
6	Genome-wide association study on coronary artery disease in type 1 diabetes suggests beta-defensin 127 as a risk locus. Cardiovascular Research, 2021, 117, 600-612.	1.8	12
7	Evaluating the impact of COVID-19 on rare disease support groups. BMC Research Notes, 2021, 14, 168.	0.6	7
8	The power of genetic diversity in genome-wide association studies of lipids. Nature, 2021, 600, 675-679.	13.7	353
9	Contribution of cystatin C- and creatinine-based definitions of chronic kidney disease to cardiovascular risk assessment in 20 population-based and 3 disease cohorts: the BiomarCaRE project. BMC Medicine, 2020, 18, 300.	2.3	38
10	Improvements needed to support people living and working with a rare disease in Northern Ireland: current rare disease support perceived as inadequate. Orphanet Journal of Rare Diseases, 2020, 15, 315.	1.2	26
11	Genome-wide association meta-analysis for early age-related macular degeneration highlights novel loci and insights for advanced disease. BMC Medical Genomics, 2020, 13, 120.	0.7	56
12	DNA Methylation Associated With Diabetic Kidney Disease in Blood-Derived DNA. Frontiers in Cell and Developmental Biology, 2020, 8, 561907.	1.8	19
13	â€œMitochondrial Toolboxâ€•â€“ A Review of Online Resources to Explore Mitochondrial Genomics. Frontiers in Genetics, 2020, 11, 439.	1.1	3
14	A quick reference guide for rare disease: supporting rare disease management in general practice. British Journal of General Practice, 2020, 70, 260-261.	0.7	15
15	A scoping review and proposed workflow for multi-omic rare disease research. Orphanet Journal of Rare Diseases, 2020, 15, 107.	1.2	24
16	Genetic Strategies to Understand Human Diabetic Nephropathy: In Silico Strategies for Molecular Dataâ€”Association Studies. Methods in Molecular Biology, 2020, 2067, 241-275.	0.4	0
17	Genetic Strategies to Understand Human Diabetic Nephropathy: Wet-Lab Approaches. Methods in Molecular Biology, 2020, 2067, 205-240.	0.4	0
18	Polygenic risk score as a determinant of risk of non-melanoma skin cancer in a European-descent renal transplant cohort. American Journal of Transplantation, 2019, 19, 801-810.	2.6	26

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19	Differential methylation as a diagnostic biomarker of rare renal diseases: a systematic review. BMC Nephrology, 2019, 20, 320.	0.8	10
20	Genome-Wide Association Study of Diabetic Kidney Disease Highlights Biology Involved in Glomerular Basement Membrane Collagen. Journal of the American Society of Nephrology: JASN, 2019, 30, 2000-2016.	3.0	135
21	The Challenges of Chromosome Y Analysis and the Implications for Chronic Kidney Disease. Frontiers in Genetics, 2019, 10, 781.	1.1	14
22	Genetic Susceptibility to Chronic Kidney Disease â€“ Some More Pieces for the Heritability Puzzle. Frontiers in Genetics, 2019, 10, 453.	1.1	74
23	Protocol for a scoping review of multi-omic analysis for rare diseases. BMJ Open, 2019, 9, e026278.	0.8	2
24	Genomic Mismatch at LIMS1 Locus and Kidney Allograft Rejection. New England Journal of Medicine, 2019, 380, 1918-1928.	13.9	63
25	Genetic associations between genes in the renin-angiotensin-aldosterone system and renal disease: a systematic review and meta-analysis. BMJ Open, 2019, 9, e026777.	0.8	42
26	Differential methylation in rare ophthalmic disorders: a systematic review protocol. Systematic Reviews, 2019, 8, 93.	2.5	2
27	Communication strategies for rare cancers: a systematic review protocol. Systematic Reviews, 2019, 8, 102.	2.5	4
28	The impact of donor and recipient common clinical and genetic variation on estimated glomerular filtration rate in a European renal transplant population. American Journal of Transplantation, 2019, 19, 2262-2273.	2.6	13
29	Systematic review of differential methylation in rare ophthalmic diseases. BMJ Open Ophthalmology, 2019, 4, e000342.	0.8	5
30	Comparison of methylation patterns generated from genomic and cell-line derived DNA using the Illumina Infinium MethylationEPIC BeadChip array. BMC Research Notes, 2019, 12, 821.	0.6	2
31	Communication Needs for Individuals With Rare Diseases Within and Around the Healthcare System of Northern Ireland. Frontiers in Public Health, 2019, 7, 236.	1.3	35
32	Information on Genetic Variants Does Not Increase Identification of Individuals at Risk of Esophageal Adenocarcinoma Compared to Clinical Risk Factors. Gastroenterology, 2019, 156, 43-45.	0.6	15
33	Proteomic and metabolomic approaches in the search for biomarkers in chronic kidney disease. Journal of Proteomics, 2019, 193, 93-122.	1.2	37
34	Socioeconomic position, lifestyle habits and biomarkers of epigenetic aging: a multi-cohort analysis. Aging, 2019, 11, 2045-2070.	1.4	137
35	Mitochondria and Chronic Kidney Disease: A Molecular Update. , 2019, , .		1
36	Perceptions and experiences of rare diseases among the GP population in Northern Ireland. British Journal of General Practice, 2019, 69, bjgp19X703637.	0.7	0

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37	A Genome-Wide Association Study of Diabetic Kidney Disease in Subjects With Type 2 Diabetes. Diabetes, 2018, 67, 1414-1427.	0.3	136
38	Validation of differentially methylated microRNAs identified from an epigenome-wide association study; Sanger and next generation sequencing approaches. BMC Research Notes, 2018, 11, 767.	0.6	11
39	Novel risk genes identified in a genome-wide association study for coronary artery disease in patients with type 1 diabetes. Cardiovascular Diabetology, 2018, 17, 61.	2.7	29
40	The Genetic Landscape of Renal Complications in Type 1 Diabetes. Journal of the American Society of Nephrology: JASN, 2017, 28, 557-574.	3.0	101
41	Design and implementation of a custom next generation sequencing panel for selected vitamin D associated genes. BMC Research Notes, 2017, 10, 348.	0.6	2
42	Development of next generation sequencing panel for UMOD and association with kidney disease. PLoS ONE, 2017, 12, e0178321.	1.1	4
43	A Validation Study of Vascular Cognitive Impairment Genetics Meta-Analysis Findings in an Independent Collaborative Cohort. Journal of Alzheimer's Disease, 2016, 53, 981-989.	1.2	22
44	Analysis of single nucleotide polymorphisms implicate mTOR signalling in the development of new-onset diabetes after transplantation. BBA Clinical, 2016, 5, 41-45.	4.1	9
45	A HuGE Review and Meta-Analyses of Genetic Associations in New Onset Diabetes after Kidney Transplantation. PLoS ONE, 2016, 11, e0147323.	1.1	22
46	New genetic loci link adipose and insulin biology to body fat distribution. Nature, 2015, 518, 187-196.	13.7	1,328
47	Genetic studies of body mass index yield new insights for obesity biology. Nature, 2015, 518, 197-206.	13.7	3,823
48	Genetics of Diabetic Nephropathy: a Long Road of Discovery. Current Diabetes Reports, 2015, 15, 41.	1.7	30
49	Genetic risk factors affecting mitochondrial function are associated with kidney disease in people with Type 1 diabetes. Diabetic Medicine, 2015, 32, 1104-1109.	1.2	14
50	Distinct methylation patterns in genes that affect mitochondrial function are associated with kidney disease in bloodâ€derived <scp>DNA</scp> from individuals with TypeÂ1 diabetes. Diabetic Medicine, 2015, 32, 1110-1115.	1.2	52
51	Genetic Evidence for a Causal Role of Obesity in Diabetic Kidney Disease. Diabetes, 2015, 64, 4238-4246.	0.3	63
52	SORBS1 gene, a new candidate for diabetic nephropathy: results from a multi-stage genome-wide association study in patients with type 1 diabetes. Diabetologia, 2015, 58, 543-548.	2.9	43
53	Whole-mitochondrial genome sequencing in primary open-angle glaucoma using massively parallel sequencing identifies novel and known pathogenic variants. Genetics in Medicine, 2015, 17, 279-284.	1.1	38
54	Epigenome-Wide Association Study for Parkinsonâ€™s Disease. NeuroMolecular Medicine, 2014, 16, 845-855.	1.8	57

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55	Genetic polymorphisms and kidney transplant outcomes. Current Opinion in Nephrology and Hypertension, 2014, 23, 605-610.	1.0	13
56	DNA hypermethylation and DNA hypomethylation is present at different loci in chronic kidney disease. Epigenetics, 2014, 9, 366-376.	1.3	133
57	Genetics of New-Onset Diabetes after Transplantation. Journal of the American Society of Nephrology: JASN, 2014, 25, 1037-1049.	3.0	67
58	The Changing Landscape of Diabetic Kidney Disease: New Reflections on Phenotype, Classification, and Disease Progression to Influence Future Investigative Studies and Therapeutic Trials. Advances in Chronic Kidney Disease, 2014, 21, 256-259.	0.6	6
59	Genetic and epigenetic factors influencing chronic kidney disease. American Journal of Physiology - Renal Physiology, 2014, 307, F757-F776.	1.3	53
60	Genome-wide association study of urinary albumin excretion rate in patients with type 1 diabetes. Diabetologia, 2014, 57, 1143-1153.	2.9	50
61	Novel genetic susceptibility loci for diabetic end-stage renal disease identified through robust naive Bayes classification. Diabetologia, 2014, 57, 1611-1622.	2.9	19
62	Genetic and Epigenetic Risk Factors for Diabetic Kidney Disease. Advances in Chronic Kidney Disease, 2014, 21, 287-296.	0.6	30
63	An Excess of Risk-Increasing Low-Frequency Variants Can Be a Signal of Polygenic Inheritance in Complex Diseases. American Journal of Human Genetics, 2014, 94, 437-452.	2.6	55
64	New onset diabetes after transplantation: unravelling the pathophysiological process. Lancet, The, 2014, 383, S73.	6.3	0
65	Î² Cell Glucotoxic-Associated Single Nucleotide Polymorphisms in Impaired Glucose Tolerance and New-Onset Diabetes After Transplantation. Transplantation, 2014, 98, e19-e20.	0.5	5
66	Next-generation sequencing of the mitochondrial genome and association with IgA nephropathy in a renal transplant population. Scientific Reports, 2014, 4, 7379.	1.6	14
67	Haplotype association analysis of genes within the WNT signalling pathways in diabetic nephropathy. BMC Nephrology, 2013, 14, 126.	0.8	11
68	CD2AP is associated with end-stage renal disease in patients with type 1 diabetes. Acta Diabetologica, 2013, 50, 887-897.	1.2	8
69	Chromosome 2q31.1 Associates with ESRD in Women with Type 1 Diabetes. Journal of the American Society of Nephrology: JASN, 2013, 24, 1537-1543.	3.0	66
70	Association Analysis of Dyslipidemia-Related Genes in Diabetic Nephropathy. PLoS ONE, 2013, 8, e58472.	1.1	19
71	Comprehensive Investigation of the Caveolin 2 Gene: Resequencing and Association for Kidney Transplant Outcomes. PLoS ONE, 2013, 8, e63358.	1.1	5
72	Caveolin-1 Single Nucleotide Polymorphism in Antineutrophil Cytoplasmic Antibody Associated Vasculitis. PLoS ONE, 2013, 8, e69022.	1.1	5

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73	Bioinformatic Resources For Diabetic Nephropathy. Journal of Bioinformatics and Diabetes, 2013, 1, 11-18.	0.5	2
74	New Susceptibility Loci Associated with Kidney Disease in Type 1 Diabetes. PLoS Genetics, 2012, 8, e1002921.	1.5	216
75	Association of MYH9/APOL1 with chronic kidney disease in a UK population. Nephrology Dialysis Transplantation, 2012, 27, 3660-3660.	0.4	10
76	Donor ABCB1 Variant Associates with Increased Risk for Kidney Allograft Failure. Journal of the American Society of Nephrology: JASN, 2012, 23, 1891-1899.	3.0	65
77	Epigenetics. Transplantation, 2012, 94, 1-7.	0.5	28
78	Association Testing of Previously Reported Variants in a Large Case-Control Meta-analysis of Diabetic Nephropathy. Diabetes, 2012, 61, 2187-2194.	0.3	77
79	Vitamin D Receptor Gene Variants and Esophageal Adenocarcinoma Risk: A Population-Based Caseâ€“Control Study. Journal of Gastrointestinal Cancer, 2012, 43, 512-517.	0.6	20
80	SNP in the genome-wide association study hotspot on chromosome 9p21 confers susceptibility to diabetic nephropathy in type 1 diabetes. Diabetologia, 2012, 55, 2386-2393.	2.9	21
81	Review of Genetic Association in the SOD2 Gene with Chronic Kidney Disease: Case-Control Studies and Meta-Analysis Confirm Association with Diabetic Nephropathy. Nephrology Research & Reviews, 2012, 4, 51-54.	0.2	2
82	Genetic Investigation of Major Histocompatibility Complex Class-I Related RAET1 Genes for Association in a Glomerulonephritis Population. Nephrology Research & Reviews, 2012, 4, 48-50.	0.2	0
83	Association analysis of proopiomelanocortin (POMC) haplotypes in type 1 diabetes in a UK population. Diabetes and Metabolism, 2011, 37, 298-304.	1.4	3
84	Association Analysis of Canonical Wnt Signalling Genes in Diabetic Nephropathy. PLoS ONE, 2011, 6, e23904.	1.1	11
85	Association analysis of Notch pathway signalling genes in diabetic nephropathy. Diabetologia, 2011, 54, 334-338.	2.9	14
86	Genetic Examination of SETD7 and SUV39H1/H2 Methyltransferases and the Risk of Diabetes Complications in Patients With Type 1 Diabetes. Diabetes, 2011, 60, 3073-3080.	0.3	62
87	ANCA-associated vasculitis is linked to carriage of the Z allele of Î±₁ antitrypsin and its polymers. Annals of the Rheumatic Diseases, 2011, 70, 1851-1856.	0.5	69
88	Unravelling the genetic basis of renal diseases; from single gene to multifactorial disorders. Journal of Pathology, 2010, 220, 198-216.	2.1	33
89	Association of Caveolin-1 Gene Polymorphism With Kidney Transplant Fibrosis and Allograft Failure. JAMA - Journal of the American Medical Association, 2010, 303, 1282.	3.8	65
90	Polymorphisms of the macrophage migration inhibitory factor gene in a UK population with Type 1 diabetes mellitus. Diabetic Medicine, 2010, 27, 143-149.	1.2	10

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91	Investigation of the association of BMP gene variants with nephropathy in Type 1 diabetes mellitus. Diabetic Medicine, 2010, 27, 624-630.	1.2	9
92	Investigation of ACE, ACE2 and AGTR1 genes for association with nephropathy in Typeâ€ƒ1 diabetes mellitus. Diabetic Medicine, 2010, 27, 1188-1194.	1.2	21
93	Genetic Polymorphisms in Nitric Oxide Synthase 3 Gene and Implications for Kidney Disease: A Meta-Analysis. American Journal of Nephrology, 2010, 32, 476-481.	1.4	15
94	A GREM1 Gene Variant Associates with Diabetic Nephropathy. Journal of the American Society of Nephrology: JASN, 2010, 21, 773-781.	3.0	56
95	A rare haplotype of the vitamin D receptor gene is protective against diabetic nephropathy. Nephrology Dialysis Transplantation, 2010, 25, 497-503.	0.4	34
96	Evaluation of Five Interleukin Genes for Association with End-Stage Renal Disease in White Europeans. American Journal of Nephrology, 2010, 32, 103-108.	1.4	15
97	Resequencing of the CCL5 and CCR5 genes and investigation of variants for association with diabetic nephropathy. Journal of Human Genetics, 2010, 55, 248-251.	1.1	9
98	A Population-Based Study of IGF Axis Polymorphisms and the Esophageal Inflammation, Metaplasia, Adenocarcinoma Sequence. Gastroenterology, 2010, 139, 204-212.e3.	0.6	60
99	Comparative analysis of DNA methylation profiles in peripheral blood leukocytes versus lymphoblastoid cell lines. Epigenetics, 2009, 4, 159-164.	1.3	34
100	Association of microsatellite markers on chromosomes 6q27 region and 10p15 region with end-stage renal disease in a UK renal transplant population. Journal of Human Genetics, 2009, 54, 497-498.	1.1	1
101	Genetic analysis of coronary artery disease single-nucleotide polymorphisms in diabetic nephropathy. Nephrology Dialysis Transplantation, 2009, 24, 2473-2476.	0.4	5
102	The coronary artery disease SNP, rs4420638, is associated with diabetic nephropathy rather than end-stage renal disease. Nephrology Dialysis Transplantation, 2009, 24, 3256-3256.	0.4	0
103	Annotated chromosome maps for renal disease. Human Mutation, 2009, 30, 314-320.	1.1	19
104	Variation in RTN3 and PPIL2 Genes Does not Influence Platelet Membrane Î²-Secretase Activity or Susceptibility to Alzheimerâ€™s Disease in the Northern Irish Population. NeuroMolecular Medicine, 2009, 11, 337-344.	1.8	7
105	Targeted genome-wide investigation identifies novel SNPs associated with diabetic nephropathy. The HUGO Journal, 2009, 3, 77-82.	4.1	16
106	Investigation of DNA polymorphisms in SMAD genes for genetic predisposition to diabetic nephropathy in patients with type 1 diabetes mellitus. Diabetologia, 2009, 52, 844-849.	2.9	17
107	Association of Genetic Variants at 3q22 with Nephropathy in Patients with Type 1 Diabetes Mellitus. American Journal of Human Genetics, 2009, 84, 5-13.	2.6	23
108	Replication studies based on findings from a genome-wide DNA microsatellite screen in diabetic nephropathy. Diabetes and Metabolism, 2009, 35, 237-238.	1.4	0

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109	Genetic association analyses of non-synonymous single nucleotide polymorphisms in diabetic nephropathy. Diabetologia, 2008, 51, 1998-2002.	2.9	13
110	BACE1 Polymorphisms Do Not Influence Platelet Membrane Î²-secretase Activity or Genetic Susceptibility for Alzheimerâ€™s Disease in the Northern Irish Population. NeuroMolecular Medicine, 2008, 10, 368-376.	1.8	8
111	Investigation ofAdducin 2 (beta)DNA polymorphisms in genetic predisposition to diabetic nephropathy in Type 1 diabetes. Diabetic Medicine, 2008, 25, 1001-1005.	1.2	5
112	No support for association of protein kinaseÂC, betaÂ1 (PRKCB1) gene promoter polymorphisms c.â€“1504C>T and c.â€“546C>G with diabetic nephropathy in TypeÂ1 diabetes. Diabetic Medicine, 2008, 25, 1127-1129.	1.2	3
113	Multiple Superoxide Dismutase 1/Splicing Factor Serine Alanine 15 Variants Are Associated With the Development and Progression of Diabetic Nephropathy. Diabetes, 2008, 57, 218-228.	0.3	89
114	Resequencing of genes for transforming growth factor Î²1 (TGFB1) type 1 and 2 receptors (TGFBR1,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 8, 5.	2.1	32
115	Association of VEGF-1499Câ†'T polymorphism with diabetic nephropathy in type 1 diabetes mellitus. Journal of Diabetes and Its Complications, 2007, 21, 242-245.	1.2	21
116	Gene discovery in diabetic nephropathy. Current Diabetes Reports, 2007, 7, 139-145.	1.7	9
117	Resequencing of the characterised CTGF gene to identify novel or known variants, and analysis of their association with diabetic nephropathy. Journal of Human Genetics, 2006, 51, 383-386.	1.1	11
118	A Genome-Wide DNA Microsatellite Association Screen to Identify Chromosomal Regions Harboring Candidate Genes in Diabetic Nephropathy. Journal of the American Society of Nephrology: JASN, 2006, 17, 831-836.	3.0	44
119	Role of Â-adducin DNA polymorphisms in the genetic predisposition to diabetic nephropathy. Nephrology Dialysis Transplantation, 2004, 19, 2019-2024.	0.4	11
120	Harnessing the Full Potential of Multi-Omic Analyses to Advance the Study and Treatment of Chronic Kidney Disease. , 0, 2, .		1