Karen M Dwyer

List of Publications by Year
in descending order

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Version: 2024-02-01

93 papers	5,523 citations	201385 27 h-index	79541 73 g-index
95 all docs	95 docs citations	95 times ranked	7659 citing authors

#	Article	IF	Citations
1	Adenosine generation catalyzed by CD39 and CD73 expressed on regulatory T cells mediates immune suppression. Journal of Experimental Medicine, 2007, 204, 1257-1265.	4.2	2,000
2	Anti-CD73 antibody therapy inhibits breast tumor growth and metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1547-1552.	3.3	492
3	Blockade of A _{2A} receptors potently suppresses the metastasis of CD73 ⁺ tumors. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14711-14716.	3.3	306
4	CD39 and control of cellular immune responses. Purinergic Signalling, 2007, 3, 171-180.	1.1	233
5	Expression of CD39 by Human Peripheral Blood CD4+CD25+ T Cells Denotes a Regulatory Memory Phenotype. American Journal of Transplantation, 2010, 10, 2410-2420.	2.6	199
6	Ectonucleotidases of CD39 Family Modulate Vascular Inflammation and Thrombosis in Transplantation. Seminars in Thrombosis and Hemostasis, 2005, 31, 217-233.	1.5	185
7	Thromboregulatory manifestations in human CD39 transgenic mice and the implications for thrombotic disease and transplantation. Journal of Clinical Investigation, 2004, 113, 1440-1446.	3.9	150
8	Ecto-nucleotidases of the CD39/NTPDase family modulate platelet activation and thrombus formation: Potential as therapeutic targets. Blood Cells, Molecules, and Diseases, 2006, 36, 217-222.	0.6	136
9	Impact of CD39 and purinergic signalling on the growth and metastasis of colorectal cancer. Purinergic Signalling, 2011, 7, 231-241.	1.1	108
10	Transgenic swine: Expression of human CD39 protects against myocardial injury. Journal of Molecular and Cellular Cardiology, 2012, 52, 958-961.	0.9	99
11	Transgenic Overexpression of CD39 Protects Against Renal Ischemia-Reperfusion and Transplant Vascular Injury. American Journal of Transplantation, 2010, 10, 2586-2595.	2.6	90
12	Systematic Review of the Gastrointestinal Effects of A1 Compared with A2 Î²-Casein. Advances in Nutrition, 2017, 8, 739-748.	2.9	83
13	Conversion of extracellular ATP into adenosine: a master switch in renal health and disease. Nature Reviews Nephrology, 2020, 16, 509-524.	4.1	70
14	The Transgenic Expression of Human CD39 on Murine Islets Inhibits Clotting of Human Blood. Transplantation, 2006, 82, 428-432.	0.5	61
15	RanBPM associates with CD39 and modulates ecto-nucleotidase activity. Biochemical Journal, 2006, 396, 23-30.	1.7	61
16	Protective Effects of Recombinant Human Antithrombin III in Pig-to-Primate Renal Xenotransplantation. American Journal of Transplantation, 2002, 2, 520-525.	2.6	59
17	Transgenic over expression of ectonucleotide triphosphate diphosphohydrolase-1 protects against murine myocardial ischemic injury. Journal of Molecular and Cellular Cardiology, 2011, 51, 927-935.	0.9	47
18	The role of adenosine receptors A2A and A2B signaling in renal fibrosis. Kidney International, 2014, 86, 685-692.	2.6	46

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19	The Impact of Purinergic Signaling on Renal Ischemia-Reperfusion Injury. Transplantation, 2008, 86, 1707-1712.	0.5	42
20	Liver grafts from CD39-overexpressing rodents are protected from ischemia reperfusion injury due to reduced numbers of resident CD4⁺T cells. Hepatology, 2013, 57, 1597-1606.	3.6	42
21	Deficiency or Inhibition of CD73 Protects in Mild Kidney Ischemia-Reperfusion Injury. Transplantation, 2010, 90, 1260-1264.	0.5	37
22	The CD39-adenosinergic axis in the pathogenesis of renal ischemiaâ€“reperfusion injury. Purinergic Signalling, 2013, 9, 135-143.	1.1	37
23	Antiinflammatory and Anticoagulant Effects of Transgenic Expression of Human Thrombomodulin in Mice. American Journal of Transplantation, 2010, 10, 242-250.	2.6	34
24	Role of the CD39/CD73 Purinergic Pathway in Modulating Arterial Thrombosis in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1809-1820.	1.1	33
25	The Protective Effects of CD39 Overexpression in Multiple Low-Dose Streptozotocinâ€“Induced Diabetes in Mice. Diabetes, 2013, 62, 2026-2035.	0.3	32
26	Oxidative stress and high-density lipoprotein function in Type I diabetes and end-stage renal disease. Clinical Science, 2005, 108, 497-506.	1.8	31
27	High glucose levels affect retinal patterning during zebrafish embryogenesis. Scientific Reports, 2019, 9, 4121.	1.6	31
28	Dietary Cowsâ€™ Milk Protein A1 Beta-Casein Increases the Incidence of T1D in NOD Mice. Nutrients, 2018, 10, 1291.	1.7	30
29	Variable Impact of CD39 in Experimental Murine Colitis. Digestive Diseases and Sciences, 2011, 56, 1393-1403.	1.1	28
30	The Role of Ectonucleotidases CD39 and CD73 and Adenosine Signaling in Solid Organ Transplantation. Frontiers in Immunology, 2014, 5, 64.	2.2	28
31	The Outcome of Renal Ischemia-Reperfusion Injury Is Unchanged in AMPK-Î²1 Deficient Mice. PLoS ONE, 2012, 7, e29887.	1.1	27
32	Regulatory <scp>T</scp> cells participate in <scp>CD</scp>39â€mediated protection from renal injury. European Journal of Immunology, 2012, 42, 2441-2451.	1.6	26
33	Overexpression of Human CD55 and CD59 or Treatment with Human CD55 Protects against Renal Ischemia-Reperfusion Injury in Mice. Journal of Immunology, 2017, 198, 4837-4845.	0.4	26
34	Differential migration of passenger leukocytes and rapid deletion of naive alloreactive CD8 T cells after mouse liver transplantation. Liver Transplantation, 2013, 19, 1224-1235.	1.3	25
35	CD39-adenosinergic axis in renal pathophysiology and therapeutics. Purinergic Signalling, 2018, 14, 109-120.	1.1	25
36	Ectonucleotide Triphosphate Diphosphohydrolase-1 (CD39) Mediates Resistance to Occlusive Arterial Thrombus Formation after Vascular Injury in Mice. American Journal of Pathology, 2012, 181, 322-333.	1.9	24

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37	CD39 and CD73 activity are protective in a mouse model of antiphospholipid antibody-induced miscarriages. Journal of Autoimmunity, 2018, 88, 131-138.	3.0	23
38	In vivo endogenous proteolysis yielding beta-casein derived bioactive beta-casomorphin peptides in human breast milk for infant nutrition. Nutrition, 2019, 57, 259-267.	1.1	21
39	Treatment of acute renal failure caused by renal artery occlusion with renal artery angioplasty. American Journal of Kidney Diseases, 2002, 40, 189-194.	2.1	20
40	Sustained function of genetically modified porcine lungs in an ex vivo model of pulmonary xenotransplantation. Journal of Heart and Lung Transplantation, 2013, 32, 1123-1130.	0.3	20
41	Spectrum of renal disease in diabetes. Nephrology, 2014, 19, 528-536.	0.7	20
42	PLA2R and membranous nephropathy: A 3â€‰year prospective Australian study. Nephrology, 2016, 21, 397-403.	0.7	19
43	AMPK couples plasma renin to cellular metabolism by phosphorylation of ACC1. American Journal of Physiology - Renal Physiology, 2013, 305, F679-F690.	1.3	18
44	Development of a novel strategy to target CD39 antithrombotic activity to the endothelial-platelet microenvironment in kidney ischemiaâ€“reperfusion injury. Purinergic Signalling, 2017, 13, 259-265.	1.1	18
45	Evaluation of CD4⁺CD25^{+/â^'}CD39⁺ Tâ€cell populations in peripheral blood of patients following kidney transplantation and during acute allograft rejection. Nephrology, 2017, 22, 505-512.	0.7	18
46	Membranoproliferative glomerulonephritis in association with chronic lymphocytic leukaemia: a report of three cases. Pathology, 2002, 34, 138-143.	0.3	17
47	The CD39-Adenosinergic Axis in the Pathogenesis of Immune and Nonimmune Diabetes. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-7.	3.0	17
48	Mineral adaptations following kidney transplantation. Transplant International, 2017, 30, 463-473.	0.8	16
49	The Differential Effect of Apyrase Treatment and hCD39 Overexpression on Chronic Renal Fibrosis After Ischemia-Reperfusion Injury. Transplantation, 2017, 101, e194-e204.	0.5	16
50	Overexpression of <scp>CD39</scp> protects in a mouse model of preeclampsia. Nephrology, 2013, 18, 351-355.	0.7	15
51	First hand transplant procedure in Australia: outcome at 2 years. Medical Journal of Australia, 2013, 199, 285-287.	0.8	15
52	The adenosine, adrenergic and opioid pathways in the regulation of insulin secretion, beta cell proliferation and regeneration. Pancreatology, 2018, 18, 615-623.	0.5	15
53	The Role of Activin A and B and the Benefit of Follistatin Treatment in Renal Ischemia-Reperfusion Injury in Mice. Transplantation Direct, 2016, 2, e87.	0.8	14
54	DNA methylation profiling identifies epigenetic differences between early versus late stages of diabetic chronic kidney disease. Nephrology Dialysis Transplantation, 2021, 36, 2027-2038.	0.4	14

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55	DNA methylation profiling of genomic DNA isolated from urine in diabetic chronic kidney disease: A pilot study. PLoS ONE, 2018, 13, e0190280.	1.1	13
56	Severe chronic renal failure in association with oxycodone addiction: A new form of fibrillary glomerulopathy. Human Pathology, 2002, 33, 783-787.	1.1	12
57	RecurrentMycobacterium haemophilumin a renal transplant recipient. Nephrology, 2014, 19, 14-17.	0.7	12
58	Clinical Significance of Alloantibodies in Hand Transplantation: A Multicenter Study. Transplantation, 2019, 103, 2173-2182.	0.5	12
59	Xenotransplantation: Past achievements and future promise. Heart Lung and Circulation, 2002, 11, 32-41.	0.2	11
60	Salutary roles of CD39 in transplantation. Transplantation Reviews, 2007, 21, 54-63.	1.2	11
61	Gut Microbiome Composition Remains Stable in Individuals with Diabetes-Related Early to Late Stage Chronic Kidney Disease. Biomedicines, 2021, 9, 19.	1.4	11
62	Bone health in chronic kidney diseaseâ€mineral and bone disorder: a clinical case seminar and update. Internal Medicine Journal, 2018, 48, 1435-1446.	0.5	10
63	Cliniciansâ€™ perspectives on equity of access to dialysis and kidney transplantation for rural people in Australia: a semistructured interview study. BMJ Open, 2022, 12, e052315.	0.8	10
64	Acute Kidney Injury and Proteinuria in a Patient With Diabetes and a Submandibular Mass. American Journal of Kidney Diseases, 2009, 54, 375-380.	2.1	9
65	Defective renal water handling in transgenic mice over-expressing human CD39/NTPDase1. American Journal of Physiology - Renal Physiology, 2012, 303, F420-F430.	1.3	9
66	AMP and adenosine are both ligands for adenosine 2B receptor signaling. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 202-206.	1.0	9
67	Impaired natriuretic response to high-NaCl diet plus aldosterone infusion in mice overexpressing human CD39, an ectonucleotidase (NTPDase1). American Journal of Physiology - Renal Physiology, 2015, 308, F1398-F1408.	1.3	8
68	Blood apheresis technologies â€“ a critical review on challenges towards efficient blood separation and treatment. Materials Advances, 2021, 2, 7210-7236.	2.6	8
69	Nocardia peritonitis and abdominal abscess complicating continuous ambulatory peritoneal dialysis. Nephrology, 2001, 6, 263-265.	0.7	7
70	A Prospective Study of Renal Transplant Recipients: A Fall in Insulin Secretion Underpins Dysglycemia After Renal Transplantation. Transplantation Direct, 2016, 2, e107.	0.8	6
71	Refractory Vascular Rejection in a Hand Allograft in the Presence of Antibodies Against Angiotensin II (Type 1) Receptor. Transplantation, 2017, 101, e344-e345.	0.5	6
72	Galactose therapy reduces proteinuria in patients with recurrent focal segmental glomerulosclerosis after kidney transplantation. Nephrology, 2015, 20, 13-16.	0.7	5

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73	Potential for Novel Biomarkers in Diabetes-Associated Chronic Kidney Disease: Epigenome, Metabolome, and Gut Microbiome. Biomedicines, 2020, 8, 341.	1.4	5
74	Coprocytobiology: A Technical Review of Cytological Colorectal Cancer Screening in Fecal Samples. SLAS Technology, 2021, 26, 247263032110245.	1.0	5
75	Ectonucleotidases in Cancer and Inflammation. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-2.	3.0	3
76	A case of triple pathology: seronegative anti-glomerular basement membrane antibody-mediated glomerulonephritis and membranous nephropathy in a patient with underlying diabetic kidney disease. CKJ: Clinical Kidney Journal, 2013, 6, 322-326.	1.4	3
77	Identification of Potential Biomarkers of Chronic Kidney Disease in Individuals with Diabetes: Protocol for a Cross-sectional Observational Study. JMIR Research Protocols, 2020, 9, e16277.	0.5	3
78	Blood Plasma Metabolites in Diabetes-Associated Chronic Kidney Disease: A Focus on Lipid Profiles and Cardiovascular Risk. Frontiers in Nutrition, 2022, 9, 821209.	1.6	3
79	Impact of <scp>COVID</scp>â€19 on the worsening crisis of chronic kidney disease: the imperative to fund early detection is now. Internal Medicine Journal, 2022, 52, 680-682.	0.5	3
80	The protective effects of human milk derived peptides on the pancreatic islet biology. Biology Open, 2020, 9, .	0.6	2
81	Burnstock oration â€" purinergic signalling in kidney transplantation. Purinergic Signalling, 2022, 18, 387-393.	1.1	2
82	An interaction between tacrolimus and pristinamycin resulting in an elevated tacrolimus level. CKJ: Clinical Kidney Journal, 2011, 4, 456-457.	1.4	1
83	Serum sickness following rabbit anti-thymocyte globulin for acute vascular renal allograft rejection. CKJ: Clinical Kidney Journal, 2012, 5, 334-335.	1.4	1
84	Hypertensive crisis precipitated by insulin-induced hypoglycemia with end-stage renal failure. CKJ: Clinical Kidney Journal, 2012, 5, 362-363.	1.4	1
85	Diabetes Mellitus Following Renal Transplantation: Clinical and Pharmacological Considerations for the Elderly Patient. Drugs and Aging, 2017, 34, 589-601.	1.3	1
86	The threat among us: significance and scale of diabetic chronic kidney disease in Australia. Internal Medicine Journal, 2017, 47, 1339-1341.	0.5	1
87	Real pain in the neck: giant cell arteritis presenting with nonâ€necrotising fasciitis and fever. Internal Medicine Journal, 2019, 49, 802-804.	0.5	1
88	Chicken or the egg: an unusual presentation of Crohn's disease. Internal Medicine Journal, 2022, 52, 502-503.	0.5	1
89	Long-Term Renal Allograft Survival After Posttransplantation Diagnosis of Primary Hyperoxaluria. Transplantation, 2013, 95, e35-e36.	0.5	0
90	International vascularised composite allotransplantation activity: implications for Australia. Medical Journal of Australia, 2019, 210, 67-68.	0.8	0

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91	Abstract 341: The Role of Nucleotidase in Arterial Thrombosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	1.1	0
92	Pill aspiration: an underâ€recognised clinical entity. Medical Journal of Australia, 2021, 215, 505-506.	0.8	0
93	Too much sugar does not just make us fat; it can also make us sick. Internal Medicine Journal, 0, , .	0.5	0