

Susan E Quaggin

List of Publications by Year in descending order

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89
papers

8,905
citations

61984

43
h-index

64796

79
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99
all docs

99
docs citations

99
times ranked

10194
citing authors

#	ARTICLE	IF	CITATIONS
1	Removing Race from Kidney Disease Diagnosis. <i>American Journal of Kidney Diseases</i> , 2022, 79, 153-155.	1.9	3
2	Endothelial Tyrosine Kinase Tie1 Is Required for Normal Schlemm's Canal Development—Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 348-351.	2.4	6
3	Preparation of a Single Cell Suspension from the Murine Iridocorneal Angle. <i>Bio-protocol</i> , 2022, 12, .	0.4	2
4	New soluble angiopoietin analog of Hepta-ANG1 prevents pathological vascular leakage. <i>Biotechnology and Bioengineering</i> , 2021, 118, 423-432.	3.3	7
5	Advancing Nephrology. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2021, 16, 319-327.	4.5	7
6	COVID-19-Associated Glomerular Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 33-40.	6.1	141
7	Single-Cell Analysis of Blood-Brain Barrier Response to Pericyte Loss. <i>Circulation Research</i> , 2021, 128, e46-e62.	4.5	98
8	The lymphatics in kidney health and disease. <i>Nature Reviews Nephrology</i> , 2021, 17, 655-675.	9.6	30
9	Kidney-Related Research in the United States: A Position Statement From the National Kidney Foundation and the American Society of Nephrology. <i>American Journal of Kidney Diseases</i> , 2021, 78, 161-167.	1.9	15
10	Evolving Demographics of Nephrology Research Workforce in the United States. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2021, 16, 1312-1314.	4.5	0
11	Cellular crosstalk regulates the aqueous humor outflow pathway and provides new targets for glaucoma therapies. <i>Nature Communications</i> , 2021, 12, 6072.	12.8	40
12	Tribute to Barbara T. Murphy. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 2685-2686.	6.1	0
13	The Art and Science of Medicine and Standardized Test Scores. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 2694-2696.	6.1	0
14	Removing Race from Kidney Disease Diagnosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 2987-2989.	6.1	6
15	<i>SVEP1</i> as a Genetic Modifier of <i>TEK</i> -Related Primary Congenital Glaucoma. , 2020, 61, 6.		25
16	Angiopoietin-1 Knockout Mice as a Genetic Model of Open-Angle Glaucoma. <i>Translational Vision Science and Technology</i> , 2020, 9, 16.	2.2	22
17	Podocyte GSK3 β is important for autophagy and its loss detrimental for glomerular function. <i>FASEB BioAdvances</i> , 2019, 1, 498-510.	2.4	6
18	Genetic Deletion of <i>Emp2</i> Does Not Cause Proteinuric Kidney Disease in Mice. <i>Frontiers in Medicine</i> , 2019, 6, 189.	2.6	3

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19	Forward genetic screen in human podocytes identifies diphthamide biosynthesis genes as regulators of adhesion. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F1593-F1604.	2.7	4
20	Endothelial ERK1/2 signaling maintains integrity of the quiescent endothelium. <i>Journal of Experimental Medicine</i> , 2019, 216, 1874-1890.	8.5	47
21	Targeting VE-PTP phosphatase protects the kidney from diabetic injury. <i>Journal of Experimental Medicine</i> , 2019, 216, 936-949.	8.5	34
22	Targeting the vascular-specific phosphatase PTPRB protects against retinal ganglion cell loss in a pre-clinical model of glaucoma. <i>ELife</i> , 2019, 8, .	6.0	30
23	Ascending Vasa Recta Are Angiopoietin/Tie2-Dependent Lymphatic-Like Vessels. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 1097-1107.	6.1	59
24	Inverse correlation between vascular endothelial growth factor back-filtration and capillary filtration pressures. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, 1514-1525.	0.7	7
25	Glomerular endothelial cell maturation depends on ADAM10, a key regulator of Notch signaling. <i>Angiogenesis</i> , 2018, 21, 335-347.	7.2	31
26	Context-dependent functions of angiopoietin 2 are determined by the endothelial phosphatase VEPTP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1298-1303.	7.1	85
27	Angiopoietins bind thrombomodulin and inhibit its function as a thrombin cofactor. <i>Scientific Reports</i> , 2018, 8, 505.	3.3	34
28	Novel ACE2-Fc chimeric fusion provides long-lasting hypertension control and organ protection in mouse models of systemic renin angiotensin system activation. <i>Kidney International</i> , 2018, 94, 114-125.	5.2	94
29	Plasma Vascular Endothelial Growth Factor Concentrations after Intravitreal Anti-VEGF Vascular Endothelial Growth Factor Therapy for Diabetic Macular Edema. <i>Ophthalmology</i> , 2018, 125, 1054-1063.	5.2	32
30	Morphological Analysis of Schlemm's Canal in Mice. <i>Methods in Molecular Biology</i> , 2018, 1846, 153-160.	0.9	7
31	Transcription Factor 21 Is Required for Branching Morphogenesis and Regulates the Gdnf-Axis in Kidney Development. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 2795-2808.	6.1	23
32	Selective permeability of mouse blood-aqueous barrier as determined by ¹⁵ N-heavy isotope tracing and mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9032-9037.	7.1	13
33	Endothelial mineralocorticoid receptor ablation does not alter blood pressure, kidney function or renal vessel contractility. <i>PLoS ONE</i> , 2018, 13, e0193032.	2.5	16
34	A suPAR kidney connection found in the bone marrow. <i>Nature Reviews Nephrology</i> , 2017, 13, 263-264.	9.6	3
35	Glomerular mesangial cell recruitment and function require the co-receptor neuropilin-1. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F1232-F1242.	2.7	16
36	Selective tubular activation of hypoxia-inducible factor-2 α has dual effects on renal fibrosis. <i>Scientific Reports</i> , 2017, 7, 11351.	3.3	30

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37	A novel acetyltransferase p300 inhibitor ameliorates hypertension-associated cardio-renal fibrosis. <i>Epigenetics</i> , 2017, 12, 1004-1013.	2.7	41
38	SuPAR and FSGS: is the jury still out?. <i>Nature Reviews Nephrology</i> , 2017, 13, 593-593.	9.6	2
39	Renal carcinoma/kidney progenitor cell chimera organoid as a novel tumourigenesis gene discovery model. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 1503-1515.	2.4	8
40	A novel assay to assess the effect of pharmaceutical compounds on the differentiation of podocytes. <i>British Journal of Pharmacology</i> , 2017, 174, 163-176.	5.4	21
41	Angiotensin-1 deficiency increases tumor metastasis in mice. <i>BMC Cancer</i> , 2017, 17, 539.	2.6	26
42	Angiotensin-1 is required for Schlemm's canal development in mice and humans. <i>Journal of Clinical Investigation</i> , 2017, 127, 4421-4436.	8.2	94
43	Formation and Maintenance of a Functional Glomerulus. , 2016, , 103-119.		6
44	Angiotensin receptor TEK mutations underlie primary congenital glaucoma with variable expressivity. <i>Journal of Clinical Investigation</i> , 2016, 126, 2575-2587.	8.2	175
45	Vascular Growth Factors and Glomerular Disease. <i>Annual Review of Physiology</i> , 2016, 78, 437-461.	13.1	89
46	CD146 + cells are essential for kidney vasculature development. <i>Kidney International</i> , 2016, 90, 311-324.	5.2	47
47	Dysregulation of angiotensin-1 plays a mechanistic role in the pathogenesis of cerebral malaria. <i>Science Translational Medicine</i> , 2016, 8, 358ra128.	12.4	69
48	Nephrin Tyrosine Phosphorylation Is Required to Stabilize and Restore Podocyte Foot Process Architecture. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 2422-2435.	6.1	65
49	ATGme: Open-source web application for rare codon identification and custom DNA sequence optimization. <i>BMC Bioinformatics</i> , 2015, 16, 303.	2.6	33
50	Crosstalk in glomerular injury and repair. <i>Current Opinion in Nephrology and Hypertension</i> , 2015, 24, 1.	2.0	55
51	Signaling during Kidney Development. <i>Cells</i> , 2015, 4, 112-132.	4.1	50
52	The cell biology of renal filtration. <i>Journal of Cell Biology</i> , 2015, 209, 199-210.	5.2	270
53	Therapies on the Horizon for Diabetic Kidney Disease. <i>Current Diabetes Reports</i> , 2015, 15, 111.	4.2	28
54	Tubulovascular Cross-Talk by Vascular Endothelial Growth Factor A Maintains Peritubular Microvasculature in Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 1027-1038.	6.1	127

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55	Loss of the Podocyte-Expressed Transcription Factor Tcf21/Pod1 Results in Podocyte Differentiation Defects and FSGS. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 2459-2470.	6.1	52
56	The Glomerulus. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2014, 9, 1461-1469.	4.5	133
57	PAI-1â€‘regulated extracellular proteolysis governs senescence and survival in <i>Klotho</i> mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7090-7095.	7.1	135
58	A lymphatic defect causes ocular hypertension and glaucoma in mice. <i>Journal of Clinical Investigation</i> , 2014, 124, 4320-4324.	8.2	151
59	<i>Glomerular Cell Biology</i> , 2013, , 721-755.		7
60	DGKE and atypical HUS. <i>Nature Genetics</i> , 2013, 45, 475-476.	21.4	45
61	Soluble FLT1 Binds Lipid Microdomains in Podocytes to Control Cell Morphology and Glomerular Barrier Function. <i>Cell</i> , 2012, 151, 384-399.	28.9	144
62	Vegfa Protects the Glomerular Microvasculature in Diabetes. <i>Diabetes</i> , 2012, 61, 2958-2966.	0.6	123
63	<i>Embryology of the Kidney</i> , 2012, , 2-30.		3
64	Epidermal growth factor receptor promotes glomerular injury and renal failure in rapidly progressive crescentic glomerulonephritis. <i>Nature Medicine</i> , 2011, 17, 1242-1250.	30.7	204
65	Scar wars: mapping the fate of epithelialâ€‘mesenchymalâ€‘myofibroblast transition. <i>Kidney International</i> , 2011, 80, 41-50.	5.2	166
66	Angiotensin-1 is essential in mouse vasculature during development and in response to injury. <i>Journal of Clinical Investigation</i> , 2011, 121, 2278-2289.	8.2	362
67	Glomerular Structure and Function Require Paracrine, Not Autocrine, VEGFâ€‘VEGFR-2 Signaling. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 1691-1701.	6.1	236
68	Insulin Signaling to the Glomerular Podocyte Is Critical for Normal Kidney Function. <i>Cell Metabolism</i> , 2010, 12, 329-340.	16.2	376
69	Genetic susceptibility to HIV-associated nephropathy. <i>Journal of Clinical Investigation</i> , 2009, 119, 1085-1089.	8.2	5
70	VEGF Inhibition and Renal Thrombotic Microangiopathy. <i>New England Journal of Medicine</i> , 2008, 358, 1129-1136.	27.0	1,348
71	Development of the renal glomerulus: good neighbors and good fences. <i>Development (Cambridge)</i> , 2008, 135, 609-620.	2.5	199
72	How Do Mesangial and Endothelial Cells Form the Glomerular Tuft?. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 24-33.	6.1	92

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73	Role of the VEGF-A Signaling Pathway in the Glomerulus: Evidence for Crosstalk between Components of the Glomerular Filtration Barrier. <i>Nephron Physiology</i> , 2007, 106, p32-p37.	1.2	169
74	Podocyte-Endothelial Interactions. , 2007, , 620-626.		0
75	Mouse Models of Glomerulogenesis and Glomerular Disease. <i>FASEB Journal</i> , 2007, 21, A137.	0.5	0
76	Large-scale identification of genes implicated in kidney glomerulus development and function. <i>EMBO Journal</i> , 2006, 25, 1160-1174.	7.8	196
77	Vascular Endothelial Growth Factor A Signaling in the Podocyte-Endothelial Compartment Is Required for Mesangial Cell Migration and Survival. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, 724-735.	6.1	217
78	Conditional and inducible transgene expression in mice through the combinatorial use of Cre-mediated recombination and tetracycline induction. <i>Nucleic Acids Research</i> , 2005, 33, e51-e51.	14.5	317
79	Rapid Isolation of Glomeruli Coupled with Gene Expression Profiling Identifies Downstream Targets in Pod1 Knockout Mice. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 3247-3255.	6.1	46
80	Disrupted gonadogenesis and male-to-female sex reversal in <i>Pod1</i> knockout mice. <i>Development (Cambridge)</i> , 2004, 131, 4095-4105.	2.5	148
81	Expression of Hairy/Enhancer of Split genes, <i>Hes1</i> and <i>Hes5</i> , during murine nephron morphogenesis. <i>Gene Expression Patterns</i> , 2004, 4, 707-711.	0.8	78
82	The role of VEGF-A in glomerular development and function. <i>Current Opinion in Nephrology and Hypertension</i> , 2004, 13, 9-15.	2.0	152
83	<i>Pod1</i> is required in stromal cells for glomerulogenesis. <i>Developmental Dynamics</i> , 2003, 226, 512-522.	1.8	94
84	MAMMALIAN KIDNEY DEVELOPMENT: MOLECULES TO TREATMENT. <i>Fetal and Maternal Medicine Review</i> , 2003, 14, 309-327.	0.3	1
85	Glomerular-specific alterations of VEGF-A expression lead to distinct congenital and acquired renal diseases. <i>Journal of Clinical Investigation</i> , 2003, 111, 707-716.	8.2	1,100
86	The Mouse <i>Kreisler (Krm1/MafB)</i> Segmentation Gene Is Required for Differentiation of Glomerular Visceral Epithelial Cells. <i>Developmental Biology</i> , 2002, 249, 16-29.	2.0	123
87	Transcriptional regulation of podocyte specification and differentiation. <i>Microscopy Research and Technique</i> , 2002, 57, 208-211.	2.2	57
88	Glomerular-Specific Gene Excision In Vivo. <i>Journal of the American Society of Nephrology: JASN</i> , 2002, 13, 788-793.	6.1	90
89	<i>Pod-1</i> , a mesoderm-specific basic-helix-loop-helix protein expressed in mesenchymal and glomerular epithelial cells in the developing kidney. <i>Mechanisms of Development</i> , 1998, 71, 37-48.	1.7	148