

Gilbert W Moeckel

List of Publications by Year in descending order

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109
papers

5,676
citations

71102

41
h-index

82547

72
g-index

109
all docs

109
docs citations

109
times ranked

8073
citing authors

#	ARTICLE	IF	CITATIONS
1	Recessive mutations in DGKE cause atypical hemolytic-uremic syndrome. <i>Nature Genetics</i> , 2013, 45, 531-536.	21.4	419
2	Polymorphisms in Human Organic Anion-transporting Polypeptide 1A2 (OATP1A2). <i>Journal of Biological Chemistry</i> , 2005, 280, 9610-9617.	3.4	316
3	Nephrotoxicity From Chemotherapeutic Agents: Clinical Manifestations, Pathobiology, and Prevention/Therapy. <i>Seminars in Nephrology</i> , 2010, 30, 570-581.	1.6	235
4	Histones and Neutrophil Extracellular Traps Enhance Tubular Necrosis and Remote Organ Injury in Ischemic AKI. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 1753-1768.	6.1	220
5	SGLT2 Deletion Improves Glucose Homeostasis and Preserves Pancreatic β -Cell Function. <i>Diabetes</i> , 2011, 60, 890-898.	0.6	197
6	NALP3-mediated inflammation is a principal cause of progressive renal failure in oxalate nephropathy. <i>Kidney International</i> , 2013, 84, 895-901.	5.2	182
7	Cyclooxygenase-2 inhibitor blocks expression of mediators of renal injury in a model of diabetes and hypertension ¹ . <i>Kidney International</i> , 2002, 62, 929-939.	5.2	171
8	α 1 integrin expression by podocytes is required to maintain glomerular structural integrity. <i>Developmental Biology</i> , 2008, 316, 288-301.	2.0	161
9	PKHD1 protein encoded by the gene for autosomal recessive polycystic kidney disease associates with basal bodies and primary cilia in renal epithelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 2311-2316.	7.1	160
10	Mineralocorticoid Receptor Phosphorylation Regulates Ligand Binding and Renal Response to Volume Depletion and Hyperkalemia. <i>Cell Metabolism</i> , 2013, 18, 660-671.	16.2	152
11	Update on the Native Kidney Biopsy: Core Curriculum 2019. <i>American Journal of Kidney Diseases</i> , 2019, 73, 404-415.	1.9	139
12	Role of dynamin, synaptojanin, and endophilin in podocyte foot processes. <i>Journal of Clinical Investigation</i> , 2012, 122, 4401-4411.	8.2	137
13	Alloantibody and Complement Promote T Cell-Mediated Cardiac Allograft Vasculopathy Through Noncanonical Nuclear Factor- κ B Signaling in Endothelial Cells. <i>Circulation</i> , 2013, 128, 2504-2516.	1.6	132
14	Fibrocystin/Polyductin Modulates Renal Tubular Formation by Regulating Polycystin-2 Expression and Function. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 455-468.	6.1	123
15	Podocyte-associated talin1 is critical for glomerular filtration barrier maintenance. <i>Journal of Clinical Investigation</i> , 2014, 124, 1098-1113.	8.2	122
16	Chitinase-Like Protein Brp-39/YKL-40 Modulates the Renal Response to Ischemic Injury and Predicts Delayed Allograft Function. <i>Journal of the American Society of Nephrology: JASN</i> , 2013, 24, 309-319.	6.1	101
17	GM-CSF Promotes Macrophage Alternative Activation after Renal Ischemia/Reperfusion Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 1334-1345.	6.1	99
18	Lack of Integrin α 1 Leads to Severe Glomerulosclerosis after Glomerular Injury. <i>American Journal of Pathology</i> , 2004, 165, 617-630.	3.8	95

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19	Importance of Functional EGF Receptors in Recovery from Acute Nephrotoxic Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2003, 14, 3147-3154.	6.1	92
20	PD-1H (VISTA)-mediated suppression of autoimmunity in systemic and cutaneous lupus erythematosus. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	90
21	Urine TNF- α and IL-9 for clinical diagnosis of acute interstitial nephritis. <i>JCI Insight</i> , 2019, 4, .	5.0	89
22	The protective role of macrophage migration inhibitory factor in acute kidney injury after cardiac surgery. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	84
23	NFATc1 Identifies a Population of Proximal Tubule Cell Progenitors. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 311-321.	6.1	76
24	Podocyte COX-2 Exacerbates Diabetic Nephropathy by Increasing Podocyte (Pro)renin Receptor Expression. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 1240-1251.	6.1	76
25	Three-Dimensional Morphology by Multiphoton Microscopy with Clearing in a Model of Cisplatin-Induced CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 1102-1112.	6.1	76
26	Overexpression of Cyclooxygenase-2 Predisposes to Podocyte Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2007, 18, 551-559.	6.1	73
27	Renalase Prevents AKI Independent of Amine Oxidase Activity. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 1226-1235.	6.1	73
28	A Novel Gene Encoding a TIG Multiple Domain Protein Is a Positional Candidate for Autosomal Recessive Polycystic Kidney Disease. <i>Genomics</i> , 2002, 80, 96-104.	2.9	65
29	Interstitial inflammation and interstitial fibrosis and tubular atrophy predict renal survival in lupus nephritis. <i>CKJ: Clinical Kidney Journal</i> , 2018, 11, 207-218.	2.9	63
30	Regulated necrosis and failed repair in cisplatin-induced chronic kidney disease. <i>Kidney International</i> , 2019, 95, 797-814.	5.2	63
31	Apoptosis of the Thick Ascending Limb Results in Acute Kidney Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 1538-1546.	6.1	61
32	Resolution of renal inflammation: a new role for NF- κ B1 (p50) in inflammatory kidney diseases. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, F429-F439.	2.7	60
33	Acute Podocyte Vascular Endothelial Growth Factor (VEGF-A) Knockdown Disrupts α V β 3 Integrin Signaling in the Glomerulus. <i>PLoS ONE</i> , 2012, 7, e40589.	2.5	59
34	COX2 Activity Promotes Organic Osmolyte Accumulation and Adaptation of Renal Medullary Interstitial Cells to Hypertonic Stress. <i>Journal of Biological Chemistry</i> , 2003, 278, 19352-19357.	3.4	58
35	Macrophage-specific deletion of transforming growth factor- β 1 does not prevent renal fibrosis after severe ischemia-reperfusion or obstructive injury. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F477-F484.	2.7	56
36	Semaphorin3a Promotes Advanced Diabetic Nephropathy. <i>Diabetes</i> , 2015, 64, 1743-1759.	0.6	56

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37	Bile Acid Nephropathy in a Bodybuilder Abusing an Anabolic Androgenic Steroid. American Journal of Kidney Diseases, 2014, 64, 473-476.	1.9	52
38	Kidney tissue hypoxia dictates T cell-mediated injury in murine lupus nephritis. Science Translational Medicine, 2020, 12, .	12.4	51
39	Distinct Roles for Basal and Induced COX-2 in Podocyte Injury. Journal of the American Society of Nephrology: JASN, 2009, 20, 1953-1962.	6.1	47
40	Chemokine receptor Cxcr4 contributes to kidney fibrosis via multiple effectors. American Journal of Physiology - Renal Physiology, 2015, 308, F459-F472.	2.7	47
41	TGF- β 2 Receptor Deletion in the Renal Collecting System Exacerbates Fibrosis. Journal of the American Society of Nephrology: JASN, 2010, 21, 1334-1343.	6.1	45
42	Development of a 2-dimensional atlas of the human kidney with imaging mass cytometry. JCI Insight, 2019, 4, .	5.0	43
43	Organic osmolytes betaine, sorbitol and inositol are potent inhibitors of erythrocyte membrane ATPases. Life Sciences, 2002, 71, 2413-2424.	4.3	37
44	Essential Role of X-Box Binding Protein-1 during Endoplasmic Reticulum Stress in Podocytes. Journal of the American Society of Nephrology: JASN, 2016, 27, 1055-1065.	6.1	37
45	Role of integrin α 1 β 1 in the regulation of renal medullary osmolyte concentration. American Journal of Physiology - Renal Physiology, 2006, 290, F223-F231.	2.7	36
46	Intrarenal Dopamine Inhibits Progression of Diabetic Nephropathy. Diabetes, 2012, 61, 2575-2584.	0.6	36
47	MIF-2/D-DT enhances proximal tubular cell regeneration through SLPI- and ATF4-dependent mechanisms. American Journal of Physiology - Renal Physiology, 2017, 313, F767-F780.	2.7	36
48	Aldosterone stimulates fibronectin synthesis in renal fibroblasts through mineralocorticoid receptor-dependent and independent mechanisms. Gene, 2013, 531, 23-30.	2.2	35
49	Warfarin-related nephropathy in a patient with mild IgA nephropathy on dabigatran and aspirin. CKJ: Clinical Kidney Journal, 2013, 6, 507-509.	2.9	34
50	Deletion of the Met receptor in the collecting duct decreases renal repair following ureteral obstruction. Kidney International, 2009, 76, 868-876.	5.2	33
51	Rapamycin treatment dose-dependently improves the cystic kidney in a new ADPKD mouse model via the mTORC1 and cell cycle-associated CDK1/cyclin axis. Journal of Cellular and Molecular Medicine, 2017, 21, 1619-1635.	3.6	33
52	Podocyte-Specific VEGF-A Gain of Function Induces Nodular Glomerulosclerosis in eNOS Null Mice. Journal of the American Society of Nephrology: JASN, 2014, 25, 1814-1824.	6.1	30
53	Puromycin Induces Reversible Proteinuric Injury in Transgenic Mice Expressing Cyclooxygenase-2 in Podocytes. Nephron Experimental Nephrology, 2007, 107, e87-e94.	2.2	27
54	Urine interleukin-9 and tumor necrosis factor- α for prognosis of human acute interstitial nephritis. Nephrology Dialysis Transplantation, 2021, 36, 1851-1858.	0.7	26

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55	Loss of the podocyte glucocorticoid receptor exacerbates proteinuria after injury. <i>Scientific Reports</i> , 2017, 7, 9833.	3.3	25
56	Early B-cell factor 1 is an essential transcription factor for postnatal glomerular maturation. <i>Kidney International</i> , 2014, 85, 1091-1102.	5.2	24
57	Placental Insufficiency Associated with Loss of Cited1 Causes Renal Medullary Dysplasia. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 777-786.	6.1	23
58	Reabsorption of betaine in Henle's loops of rat kidney in vivo. <i>American Journal of Physiology - Renal Physiology</i> , 2000, 278, F434-F439.	2.7	22
59	Quantification and localization of M2 macrophages in human kidneys with acute tubular injury. <i>International Journal of Nephrology and Renovascular Disease</i> , 2014, 7, 415.	1.8	22
60	Pathologic Perspectives on Acute Tubular Injury Assessment in the Kidney Biopsy. <i>Seminars in Nephrology</i> , 2018, 38, 21-30.	1.6	22
61	Secretory Leukocyte Protease Inhibitor (SLPI)â€”A Novel Predictive Biomarker of Acute Kidney Injury after Cardiac Surgery: A Prospective Observational Study. <i>Journal of Clinical Medicine</i> , 2019, 8, 1931.	2.4	22
62	Comparison of amyloid deposition in human kidney biopsies as predictor of poor patient outcome. <i>BMC Nephrology</i> , 2015, 16, 64.	1.8	20
63	Inorganic Phosphate Stimulates Fibronectin Expression in Renal Fibroblasts. <i>Cellular Physiology and Biochemistry</i> , 2012, 30, 151-159.	1.6	18
64	Cytomegalovirus Glomerulopathy and Cytomegalovirus Interstitial Nephritis on Sequential Transplant Kidney Biopsies. <i>American Journal of Kidney Diseases</i> , 2014, 63, 536-539.	1.9	18
65	Human Polycystin-2 Transgene Dose-Dependently Rescues ADPKD Phenotypes in Pkd2 Mutant Mice. <i>American Journal of Pathology</i> , 2015, 185, 2843-2860.	3.8	18
66	Second Prize: Simple Method for Achieving Renal Parenchymal Hypothermia for Pure Laparoscopic Partial Nephrectomy. <i>Journal of Endourology</i> , 2005, 19, 1075-1081.	2.1	17
67	Identification and Regulation of Reticulon 4B (Nogo-B) in Renal Tubular Epithelial Cells. <i>American Journal of Pathology</i> , 2010, 177, 2765-2773.	3.8	17
68	Second Prize: A Sealed Bladder Cuff Technique During Laparoscopic Nephroureterectomy Utilizing the LigaSureâ„¢ Electrosurgical Device: Laboratory and Clinical Experience. <i>Journal of Endourology</i> , 2010, 24, 327-332.	2.1	16
69	Met Activation Is Required for Early Cytoprotection after Ischemic Kidney Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 329-337.	6.1	16
70	A Nodular Foreign Body Reaction in a Dialysis Patient Receiving Long-term Treatment With Lanthanum Carbonate. <i>American Journal of Kidney Diseases</i> , 2016, 67, 128-132.	1.9	16
71	Response of the ENPP1-Deficient Skeletal Phenotype to Oral Phosphate Supplementation and/or Enzyme Replacement Therapy: Comparative Studies in Humans and Mice. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 942-955.	2.8	15
72	Expression of Mediators of Renal Injury in the Remnant Kidney of ROP Mice Is Attenuated by Cyclooxygenase-2 Inhibition. <i>Nephron Experimental Nephrology</i> , 2005, 101, e75-e85.	2.2	13

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73	Hypertonicity-induced Mitochondrial Membrane Permeability in Renal Medullary Interstitial Cells: Protective Role of Osmolytes. <i>Cellular Physiology and Biochemistry</i> , 2010, 25, 753-760.	1.6	13
74	Loss of Polycystin-1 Inhibits Bicc1 Expression during Mouse Development. <i>PLoS ONE</i> , 2014, 9, e88816.	2.5	13
75	Polycystin 2 is increased in disease to protect against stress-induced cell death. <i>Scientific Reports</i> , 2020, 10, 386.	3.3	13
76	Quantitative not qualitative histology differentiates aneurysmal from nondilated ascending aortas and reveals a net gain of medial components. <i>Scientific Reports</i> , 2021, 11, 13185.	3.3	12
77	Semaphorin 7A in circulating regulatory T cells is increased in autosomal-dominant polycystic kidney disease and decreases with tolvaptan treatment. <i>Clinical and Experimental Nephrology</i> , 2018, 22, 906-916.	1.6	11
78	TREX1 Mutation Causing Autosomal Dominant Thrombotic Microangiopathy and CKD—A Novel Presentation. <i>American Journal of Kidney Diseases</i> , 2018, 72, 895-899.	1.9	11
79	Development and external validation of a diagnostic model for biopsy-proven acute interstitial nephritis using electronic health record data. <i>Nephrology Dialysis Transplantation</i> , 2022, 37, 2214-2222.	0.7	11
80	An 11-year-old African-American girl with systemic lupus erythematosus and ANCA-negative renal vasculitis. <i>American Journal of Kidney Diseases</i> , 2002, 39, 433-438.	1.9	10
81	Babesiosis-Induced Acute Kidney Injury With Prominent Urinary Macrophages. <i>American Journal of Kidney Diseases</i> , 2013, 62, 801-805.	1.9	10
82	Podocyte VEGF-A Knockdown Induces Diffuse Glomerulosclerosis in Diabetic and in eNOS Knockout Mice. <i>Frontiers in Pharmacology</i> , 2021, 12, 788886.	3.5	10
83	LATE-ONSET OMEPRAZOLE-ASSOCIATED ACUTE INTERSTITIAL NEPHRITIS. <i>Journal of the American Geriatrics Society</i> , 2010, 58, 2443-2444.	2.6	9
84	Postoperative Onset and Detection of SARS-CoV-2 in Surgically Resected Specimens From Gastrointestinal Cancer Patients With Pre/Asymptomatic COVID-19. <i>Annals of Surgery</i> , 2020, 272, e321-e328.	4.2	9
85	Isoforms of Spectrin and Ankyrin Reflect the Functional Topography of the Mouse Kidney. <i>PLoS ONE</i> , 2016, 11, e0142687.	2.5	9
86	Resolution of proteinuria in a patient with focal segmental glomerulosclerosis following BiPAP initiation for obesity hypoventilation syndrome. <i>Clinical Nephrology</i> , 2012, 77, 62-65.	0.7	9
87	Acute kidney injury in a patient with sarcoidosis: hypercalciuria and hypercalcemia leading to calcium phosphate deposition. <i>Clinical Nephrology</i> , 2013, 80, 151-156.	0.7	9
88	Hypertonic stress and cell death. Focus on —Multiple cell death pathways are independently activated by lethal hypertonicity in renal epithelial cells—; <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C1009-C1010.	4.6	8
89	Reliability of deceased-donor procurement kidney biopsy images uploaded in United Network for Organ Sharing. <i>Clinical Transplantation</i> , 2018, 32, e13441.	1.6	8
90	Telavancin-associated acute kidney injury. <i>Clinical Nephrology</i> , 2019, 91, 187-191.	0.7	8

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91	Tubular Cell Dropout in Preimplantation Deceased Donor Biopsies as a Predictor of Delayed Graft Function. <i>Transplantation Direct</i> , 2021, 7, e716.	1.6	7
92	Urea promotes TonEBP expression and cellular adaptation in extreme hypertonicity. <i>Pflugers Archiv European Journal of Physiology</i> , 2009, 459, 183-189.	2.8	5
93	Hematuria and Decreased Kidney Function as Initial Signs of Acute B-Cell Lymphoblastic Leukemia. <i>American Journal of Kidney Diseases</i> , 2010, 56, 1001-1005.	1.9	5
94	Purification of Human and Rat Kidney Aldose Reductase. <i>Enzyme & Protein</i> , 1994, 48, 45-50.	1.4	3
95	Antiphospholipid Antibody Syndrome. <i>Journal of Neuro-Ophthalmology</i> , 2015, 35, 396-399.	0.8	3
96	Role of medullary progenitor cells in epithelial cell migration and proliferation. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, F64-F74.	2.7	2
97	Hypergranulotic dyscornification: 30 cases of a striking epithelial reaction pattern. <i>Journal of Cutaneous Pathology</i> , 2019, 46, 742-747.	1.3	2
98	IgA vasculitis complicated by acute kidney failure with thrombotic microangiopathy: successful use of eculizumab. <i>Journal of Nephrology</i> , 2021, 34, 2141-2145.	2.0	2
99	C3 Glomerulonephritis and Plasma Cell Dyscrasia: Expanding the Etiologic Spectrum. <i>Biology and Medicine (Aligarh)</i> , 2015, 07, .	0.3	2
100	Collagenofibrotic glomerulopathy in a kidney transplant recipient: A first report. <i>American Journal of Transplantation</i> , 2021, 21, 1948-1952.	4.7	1
101	Severe AKI in a Patient on Multiple Antimicrobial Agents for Leg Infection. <i>Kidney360</i> , 2022, 3, 405-406.	2.1	1
102	Anti-phospholipid antibody syndrome in the kidney. <i>Kidney International</i> , 2010, 77, 473.	5.2	0
103	Proteinuria and glomerular injury associated with the anti-angiogenesis drug Vargatef. <i>Clinical Kidney Journal</i> , 2011, 4, 430-433.	2.9	0
104	Granulomatosis With Polyangiitis in a Young Adult With Down Syndrome. <i>Journal of Clinical Rheumatology</i> , 2018, 24, 153-156.	0.9	0
105	Adaptive Immunity and Critical Illness. , 2019, , 483-487.		0
106	A 7-year-old boy with renal insufficiency and proteinuria after stem cell transplant for T-cell acute lymphoblastic leukemia. <i>Clinical Nephrology</i> , 2013, 82, 205-10.	0.7	0
107	Renalase protects against cisplatin acute kidney injury in mice. <i>FASEB Journal</i> , 2013, 27, 910.7.	0.5	0
108	Podocyte-associated talin1 is critical for glomerular filtration barrier maintenance. <i>Journal of Clinical Investigation</i> , 2015, 125, 882-882.	8.2	0

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109	Severe Orthostatic Hypotension Complicating Multiple Myeloma. Journal of Onco-Nephrology, 2017, 1, e8-e12.	0.6	0