Barbara Mara Klinkhammer

List of Publications by Year
in descending order

51	1,778	218677	289244
papers	citations	26 h-index	40 g-index

54	54	54	2767
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PDGF in organ fibrosis. Molecular Aspects of Medicine, 2018, 62, 44-62.	6.4	135
2	Regardless of etiology, progressive renal disease causes ultrastructural and functional alterations of peritubular capillaries. Kidney International, 2017, 91, 70-85.	5.2	122
3	Quantitative Micro-Computed Tomography Imaging of Vascular Dysfunction in Progressive Kidney Diseases. Journal of the American Society of Nephrology: JASN, 2016, 27, 520-532.	6.1	112
4	Treatment of Renal Fibrosisâ€"Turning Challenges into Opportunities. Advances in Chronic Kidney Disease, 2017, 24, 117-129.	1.4	109
5	Deep Learningâ€"Based Segmentation and Quantification in Experimental Kidney Histopathology. Journal of the American Society of Nephrology: JASN, 2021, 32, 52-68.	6.1	93
6	Cellular Origin and Functional Relevance of Collagen I Production in the Kidney. Journal of the American Society of Nephrology: JASN, 2018, 29, 1859-1873.	6.1	82
7	Mesenchymal Stem Cells from Rats with Chronic Kidney Disease Exhibit Premature Senescence and Loss of Regenerative Potential. PLoS ONE, 2014, 9, e92115.	2.5	76
8	Generative Adversarial Networks for Facilitating Stain-Independent Supervised and Unsupervised Segmentation: A Study on Kidney Histology. IEEE Transactions on Medical Imaging, 2019, 38, 2293-2302.	8.9	69
9	Macrophage Migration Inhibitory Factor Mediates Proliferative GN via CD74. Journal of the American Society of Nephrology: JASN, 2016, 27, 1650-1664.	6.1	59
10	Elastin imaging enables noninvasive staging and treatment monitoring of kidney fibrosis. Science Translational Medicine, 2019, 11, .	12.4	56
11	Cellular and Molecular Mechanisms of Kidney Injury in 2,8-Dihydroxyadenine Nephropathy. Journal of the American Society of Nephrology: JASN, 2020, 31, 799-816.	6.1	54
12	Serum and urine markers of collagen degradation reflect renal fibrosis in experimental kidney diseases. Nephrology Dialysis Transplantation, 2015, 30, 1112-1121.	0.7	53
13	CNN cascades for segmenting sparse objects in gigapixel whole slide images. Computerized Medical Imaging and Graphics, 2019, 71, 40-48.	5.8	53
14	Developmental stages of tertiary lymphoid tissue reflect local injury and inflammation in mouse and human kidneys. Kidney International, 2020, 98, 448-463.	5.2	50
15	Multisystemic Cellular Tropism of SARS-CoV-2 in Autopsies of COVID-19 Patients. Cells, 2021, 10, 1900.	4.1	50
16	IL-6 Trans-Signaling Drives Murine Crescentic GN. Journal of the American Society of Nephrology: JASN, 2016, 27, 132-142.	6.1	45
17	Deep learning-based classification of kidney transplant pathology: a retrospective, multicentre, proof-of-concept study. The Lancet Digital Health, 2022, 4, e18-e26.	12.3	43
18	Dysregulated mesenchymal PDGFRâ€Î²2 drives kidney fibrosis. EMBO Molecular Medicine, 2020, 12, e11021.	6.9	41

#	Article	IF	Citations
19	The role of PDGF-D in healthy and fibrotic kidneys. Kidney International, 2016, 89, 848-861.	5.2	38
20	Glucagon-Like Peptide 1 and Its Cleavage Products Are Renoprotective in Murine Diabetic Nephropathy. Diabetes, 2018, 67, 2410-2419.	0.6	38
21	Empagliflozin improves left ventricular diastolic function of db/db mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165807.	3.8	36
22	Novel 3D analysis using optical tissue clearing documents the evolution of murine rapidly progressive glomerulonephritis. Kidney International, 2019, 96, 505-516.	5.2	35
23	A collagen-binding protein enables molecular imaging of kidney fibrosis inÂvivo. Kidney International, 2020, 97, 609-614.	5.2	34
24	Pro-cachectic factors link experimental and human chronic kidney disease to skeletal muscle wasting programs. Journal of Clinical Investigation, 2021, 131, .	8.2	34
25	Crystal Clots as Therapeutic Target in Cholesterol Crystal Embolism. Circulation Research, 2020, 126, e37-e52.	4.5	29
26	Segmenting renal whole slide images virtually without training data. Computers in Biology and Medicine, 2017, 90, 88-97.	7.0	28
27	Non-invasive molecular imaging of kidney diseases. Nature Reviews Nephrology, 2021, 17, 688-703.	9.6	26
28	Which Way Round? A Study on the Performance of Stain-Translation for Segmenting Arbitrarily Dyed Histological Images. Lecture Notes in Computer Science, 2018, , 165-173.	1.3	24
29	Gp130-dependent signaling in the podocyte. American Journal of Physiology - Renal Physiology, 2014, 307, F346-F355.	2.7	20
30	Pathology and natural history of organ fibrosis. Current Opinion in Pharmacology, 2019, 49, 82-89.	3.5	20
31	The sodiumâ€glucose coâ€transporterâ€2 inhibitor ertugliflozin modifies the signature of cardiac substrate metabolism and reduces cardiac <scp>mTOR</scp> signalling, endoplasmic reticulum stress and apoptosis. Diabetes, Obesity and Metabolism, 2022, 24, 2263-2272.	4.4	20
32	Stain independent segmentation of whole slide images: A case study in renal histology. , 2018, , .		18
33	Current kidney function parameters overestimate kidney tissue repair in reversible experimental kidney disease. Kidney International, 2022, 102, 307-320.	5.2	14
34	Circular Anchors for the Detection of Hematopoietic Cells Using Retinanet. , 2020, , .		12
35	Improving unsupervised stain-to-stain translation using self-supervision and meta-learning. Journal of Pathology Informatics, 2022, 13, 100107.	1.7	10
36	SARSâ€CoVâ€2 RNA screening in routine pathology specimens. Microbial Biotechnology, 2021, 14, 1627-1641.	4.2	9

#	Article	IF	Citations
37	Renal Denervation Prevents Atrial Arrhythmogenic Substrate Development in CKD. Circulation Research, 2022, 130, 814-828.	4.5	7
38	Large-scale extraction of interpretable features provides new insights into kidney histopathology â€“ A proof-of-concept study. Journal of Pathology Informatics, 2022, 13, 100097.	1.7	6
39	Chemokine CCL9 Is Upregulated Early in Chronic Kidney Disease and Counteracts Kidney Inflammation and Fibrosis. Biomedicines, 2022, 10, 420.	3.2	4
40	Systematic Analysis And Automated Search Of Hyper-Parameters For Cell Classifier Training. , 2020, , .		3
41	State of the Art Cell Detection in Bone Marrow Whole Slide Images. Journal of Pathology Informatics, 2021, 12, 36.	1.7	3
42	MO025NON-INVASIVE MOLECULAR IMAGING OF KIDNEY FIBROSIS. Nephrology Dialysis Transplantation, 2016, 31, i38-i38.	0.7	1
43	TO032CONSEQUENCES AND FATE OF INTRARENAL CRYSTALS IN ADENINE NEPHROPATHY. Nephrology Dialysis Transplantation, 2016, 31, i74-i74.	0.7	1
44	Gradual Domain Adaptation for Segmenting Whole Slide Images Showing Pathological Variability. Lecture Notes in Computer Science, 2018, , 461-469.	1.3	1
45	SP277CONSTITUTIVE ACTIVATION OF PDGFR-Î² IN RENAL MESENCHYMAL CELLS DRIVES RENAL FIBROSIS. Nephrology Dialysis Transplantation, 2016, 31, i180-i180.	0.7	0
46	Surrounding Cell Suppression For Unsupervised Representation Learning In Hematological Cell Classification. , 2021, , .		0
47	A Hypercaloric Diet Induces Early Podocyte Damage in Aged, Non-Diabetic Rats. Cellular Physiology and Biochemistry, 2021, 55, 96-112.	1.6	0
48	MO066: The Role of Platelet-Derived Growth Factor in Focal Segmental Glomerulosclerosis. Nephrology Dialysis Transplantation, 2022, 37, .	0.7	0
49	MO056: Alteration of Glycocalyx on Endothelium of Peritubular Capillaries in CKD. Nephrology Dialysis Transplantation, 2022, 37, .	0.7	0
50	Spatial Maturity Regression for the Classification of Hematopoietic Cells. , 2022, , .		0
51	Analysis of automatically generated embedding guides for cell classification. , 2022, , .		0