

# Klaus Kratochwill

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54  
papers

718  
citations

17  
h-index

25  
g-index

79  
ext. papers

1,006  
ext. citations

5.3  
avg, IF

3.42  
L-index

#	Paper	IF	Citations
54	Assessing mechanical catheter dysfunction in automated tidal peritoneal dialysis using cyclor software: a case control, proof-of-concept study.. <i>Scientific Reports</i> , <b>2022</b> , 12, 5657	4.9	
53	Glucose Derivative Induced Vasculopathy in Children on Chronic Peritoneal Dialysis. <i>Circulation Research</i> , <b>2021</b> , 129, e102-e118	15.7	4
52	Lithium preserves peritoneal membrane integrity by suppressing mesothelial cell B-crystallin. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	2
51	Monitoring Daily Ultrafiltration in Automated Peritoneal Dialysis. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , <b>2021</b> ,	6.9	0
50	Improved Alignment and Quantification of Protein Signals in Two-Dimensional Western Blotting. <i>Journal of Proteome Research</i> , <b>2020</b> , 19, 2379-2390	5.6	2
49	ECM Characterization Reveals a Massive Activation of Acute Phase Response during FSGS. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	6
48	Vibrational Spectroscopy of Peritoneal Dialysis Effluent for Rapid Assessment of Patient Characteristics. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	2
47	Alanyl-Glutamine Restores Tight Junction Organization after Disruption by a Conventional Peritoneal Dialysis Fluid. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	5
46	Peritoneal Dialysis Fluid Supplementation with Alanyl-Glutamine Attenuates Conventional Dialysis Fluid-Mediated Endothelial Cell Injury by Restoring Perturbed Cytoprotective Responses. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	4
45	Podocyte RNA sequencing reveals Wnt- and ECM-associated genes as central in FSGS. <i>PLoS ONE</i> , <b>2020</b> , 15, e0231898	3.7	2
44	The Peritoneal Surface Proteome in a Model of Chronic Peritoneal Dialysis Reveals Mechanisms of Membrane Damage and Preservation. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 472	4.6	6
43	A systems pharmacology workflow with experimental validation to assess the potential of anakinra for treatment of focal and segmental glomerulosclerosis. <i>PLoS ONE</i> , <b>2019</b> , 14, e0214332	3.7	5
42	Composite Outcome Improves Feasibility of Clinical Trials in Peritoneal Dialysis. <i>Peritoneal Dialysis International</i> , <b>2019</b> , 39, 479-485	2.8	0
41	Targeted Metabolomic Profiling of Peritoneal Dialysis Effluents Shows Anti-oxidative Capacity of Alanyl-Glutamine. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1961	4.6	9
40	Complement Activation in Peritoneal Dialysis-Induced Arteriopathy. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2018</b> , 29, 268-282	12.7	21
39	SuO013ALANYL-GLUTAMINE IN PERITONEAL DIALYSIS FLUIDS IMPROVES PERITONEAL HEALTH AND SYSTEMIC INFLAMMATION: A DOUBLE-BLINDED RANDOMIZED CROSSOVER TRIAL. <i>Nephrology Dialysis Transplantation</i> , <b>2018</b> , 33, i621-i621	4.3	
38	SuO016THE INFLUENCE OF ALANYL-GLUTAMINE ON THE PERITONEAL PROTEOME IN A CHRONIC RAT MODEL OF PERITONEAL DIALYSIS. <i>Nephrology Dialysis Transplantation</i> , <b>2018</b> , 33, i622-i622	4.3	

37	Effects of Alanyl-Glutamine Treatment on the Peritoneal Dialysis Effluent Proteome Reveal Pathomechanism-Associated Molecular Signatures. <i>Molecular and Cellular Proteomics</i> , <b>2018</b> , 17, 516-532	7.6	14
36	FP477METABOLOMIC AND PROTEOMIC ANALYSIS OF MOLECULAR PROCESSES INVOLVED IN CLINICAL PERITONEAL DIALYSIS. <i>Nephrology Dialysis Transplantation</i> , <b>2018</b> , 33, i197-i197	4.3	
35	A randomized controlled trial of alanyl-glutamine supplementation in peritoneal dialysis fluid to assess impact on biomarkers of peritoneal health. <i>Kidney International</i> , <b>2018</b> , 94, 1227-1237	9.9	19
34	The Extracorporeal Proteome-The Significance of Selective Protein Removal During Dialysis Therapy. <i>Proteomics - Clinical Applications</i> , <b>2018</b> , 12, e1800078	3.1	4
33	Acellular vascular matrix grafts from human placenta chorion: Impact of ECM preservation on graft characteristics, protein composition and in vivo performance. <i>Biomaterials</i> , <b>2018</b> , 177, 14-26	15.6	37
32	A combinatorial screen of the CLOUD uncovers a synergy targeting the androgen receptor. <i>Nature Chemical Biology</i> , <b>2017</b> , 13, 771-778	11.7	27
31	Functional and Transcriptomic Characterization of Peritoneal Immune-Modulation by Addition of Alanyl-Glutamine to Dialysis Fluid. <i>Scientific Reports</i> , <b>2017</b> , 7, 6229	4.9	10
30	Biomarker research to improve clinical outcomes of peritoneal dialysis: consensus of the European Training and Research in Peritoneal Dialysis (EuTRiPD) network. <i>Kidney International</i> , <b>2017</b> , 92, 824-835	9.9	32
29	Addition of Alanyl-Glutamine to Dialysis Fluid Restores Peritoneal Cellular Stress Responses - A First-In-Man Trial. <i>PLoS ONE</i> , <b>2016</b> , 11, e0165045	3.7	22
28	MO015EVIDENCE FOR IMMUNOMODULATORY EFFECTS OF PERITONEAL ALANYL-GLUTAMINE IN CLINICAL PERITONEAL DIALYSIS DETECTED BY A NOVEL HIGH PERFORMANCE PROTEOMICS BIOMARKER APPROACH. <i>Nephrology Dialysis Transplantation</i> , <b>2016</b> , 31, i34-i34	4.3	
27	Overexpression of Hsp70 confers cytoprotection during gliadin exposure in Caco-2 cells. <i>Pediatric Research</i> , <b>2015</b> , 78, 358-64	3.2	9
26	Injury-induced inflammation and inadequate HSP expression in mesothelial cells upon repeat exposure to dual-chamber bag peritoneal dialysis fluids. <i>International Journal of Artificial Organs</i> , <b>2015</b> , 38, 530-6	1.9	2
25	Cross-omics comparison of stress responses in mesothelial cells exposed to heat- versus filter-sterilized peritoneal dialysis fluids. <i>BioMed Research International</i> , <b>2015</b> , 2015, 628158	3	4
24	Senescence-Associated Changes in Proteome and O-GlcNAcylation Pattern in Human Peritoneal Mesothelial Cells. <i>BioMed Research International</i> , <b>2015</b> , 2015, 382652	3	8
23	Feasibility of Metabolomics Analysis of Dialysate Effluents from Patients Undergoing Peritoneal Equilibration Testing. <i>Peritoneal Dialysis International</i> , <b>2015</b> , 35, 590-2	2.8	3
22	A fetal sheep model for studying compensatory mechanisms in the healthy contralateral kidney after unilateral ureteral obstruction. <i>Journal of Pediatric Urology</i> , <b>2015</b> , 11, 352.e1-7	1.5	6
21	Dynamic O-linked N-acetylglucosamine modification of proteins affects stress responses and survival of mesothelial cells exposed to peritoneal dialysis fluids. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2014</b> , 25, 2778-88	12.7	19
20	Equalizer technology followed by DIGE-based proteomics for detection of cellular proteins in artificial peritoneal dialysis effluents. <i>Electrophoresis</i> , <b>2014</b> , 35, 1387-94	3.6	11

19	GSK-3 $\beta$ inhibition protects mesothelial cells during experimental peritoneal dialysis through upregulation of the heat shock response. <i>Cell Stress and Chaperones</i> , <b>2013</b> , 18, 569-79	4	9
18	A method to resolve the composition of heterogeneous affinity-purified protein complexes assembled around a common protein by chemical cross-linking, gel electrophoresis and mass spectrometry. <i>Nature Protocols</i> , <b>2013</b> , 8, 75-97	18.8	24
17	A combined transcriptome and bioinformatics approach to unilateral ureteral obstructive uropathy in the fetal sheep model. <i>Journal of Urology</i> , <b>2012</b> , 187, 751-6	2.5	3
16	Increased immunogenicity is an integral part of the heat shock response following renal ischemia. <i>Cell Stress and Chaperones</i> , <b>2012</b> , 17, 385-97	4	10
15	Alanyl-glutamine dipeptide restores the cytoprotective stress proteome of mesothelial cells exposed to peritoneal dialysis fluids. <i>Nephrology Dialysis Transplantation</i> , <b>2012</b> , 27, 937-46	4.3	33
14	Interleukin-1 receptor-mediated inflammation impairs the heat shock response of human mesothelial cells. <i>American Journal of Pathology</i> , <b>2011</b> , 178, 1544-55	5.8	14
13	HSP induction in mesothelial cells by peritoneal dialysis fluid depends on biocompatibility test system. <i>International Journal of Artificial Organs</i> , <b>2011</b> , 34, 405-9	1.9	3
12	Peritoneal dialysis fluids can alter HSP expression in human peritoneal mesothelial cells. <i>Nephrology Dialysis Transplantation</i> , <b>2011</b> , 26, 1046-52	4.3	14
11	Peritoneal dialysis fluid induces p38-dependent inflammation in human mesothelial cells. <i>Peritoneal Dialysis International</i> , <b>2011</b> , 31, 332-9	2.8	2
10	HSP-mediated cytoprotection of mesothelial cells in experimental acute peritoneal dialysis. <i>Peritoneal Dialysis International</i> , <b>2010</b> , 30, 294-9	2.8	17
9	A proteomic view on the role of glucose in peritoneal dialysis. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 2472-9	5.6	14
8	Cellular stress-response modulators in the acute rat model of peritoneal dialysis. <i>Pediatric Nephrology</i> , <b>2010</b> , 25, 169-72	3.2	5
7	Stress responses and conditioning effects in mesothelial cells exposed to peritoneal dialysis fluid. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 1731-47	5.6	23
6	Quantitative real-time polymerase chain reaction for the accurate detection of <i>Toxoplasma gondii</i> in amniotic fluid. <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2009</b> , 63, 10-5	2.9	47
5	Effects of epithelial-to-mesenchymal transition on acute stress response in human peritoneal mesothelial cells. <i>Nephrology Dialysis Transplantation</i> , <b>2008</b> , 23, 3494-500	4.3	20
4	Trichoderma G protein-coupled receptors: functional characterisation of a cAMP receptor-like protein from <i>Trichoderma atroviride</i> . <i>Current Genetics</i> , <b>2008</b> , 54, 283-99	2.9	55
3	IgG deposition and activation of the classical complement pathway involvement in the activation of human granulocytes by decellularized porcine heart valve tissue. <i>Biomaterials</i> , <b>2008</b> , 29, 1824-32	15.6	38
2	Xyr1 regulates xylanase but not cellulase formation in the head blight fungus <i>Fusarium graminearum</i> . <i>Current Genetics</i> , <b>2007</b> , 52, 213-20	2.9	43

- 1 Ex vivo reversal of in vivo transdifferentiation in mesothelial cells grown from peritoneal dialysate effluents. *Nephrology Dialysis Transplantation*, **2006**, 21, 2943-7 43 49