# Christian Faul

List of Publications by Year
in descending order



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|---|---|---|---|
| 83 papers | 11,127 citations | 66234 42 h-index | 64668 79 g-index |
| 88 all docs | 88 docs citations | 88 times ranked | 10473 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | FGF23 induces left ventricular hypertrophy. Journal of Clinical Investigation, 2011, 121, 4393-4408. | 3.9 | 1,684 |
| 2 | The actin cytoskeleton of kidney podocytes is a direct target of the antiproteinuric effect of cyclosporine A. Nature Medicine, 2008, 14, 931-938. | 15.2 | 837 |
| 3 | TRPC6 is a glomerular slit diaphragm-associated channel required for normal renal function. Nature Genetics, 2005, 37, 739-744. | 9.4 | 747 |
| 4 | Gain-of-function RAF1 mutations cause Noonan and LEOPARD syndromes with hypertrophic cardiomyopathy. Nature Genetics, 2007, 39, 1007-1012. | 9.4 | 624 |
| 5 | Induction of B7-1 in podocytes is associated with nephrotic syndrome. Journal of Clinical Investigation, 2004, 113, 1390-1397. | 3.9 | 495 |
| 6 | Podocin, a raft-associated component of the glomerular slit diaphragm, interacts with CD2AP and nephrin. Journal of Clinical Investigation, 2001, 108, 1621-1629. | 3.9 | 491 |
| 7 | Actin up: regulation of podocyte structure and function by components of the actin cytoskeleton. Trends in Cell Biology, 2007, 17, 428-437. | 3.6 | 474 |
| 8 | Activation of Cardiac Fibroblast Growth Factor Receptor 4 Causes Left Ventricular Hypertrophy. Cell Metabolism, 2015, 22, 1020-1032. | 7.2 | 432 |
| 9 | Synaptopodin orchestrates actin organization and cell motility via regulation of RhoA signalling. Nature Cell Biology, 2006, 8, 485-491. | 4.6 | 354 |
| 10 | COQ6 mutations in human patients produce nephrotic syndrome with sensorineural deafness. Journal of Clinical Investigation, 2011, 121, 2013-2024. | 3.9 | 343 |
| 11 | Abatacept in B7-1â€“Positive Proteinuric Kidney Disease. New England Journal of Medicine, 2013, 369, 2416-2423. | 13.9 | 342 |
| 12 | Fibroblast growth factor 23 directly targets hepatocytes to promote inflammation in chronic kidney disease. Kidney International, 2016, 90, 985-996. | 2.6 | 284 |
| 13 | Synaptopodin regulates the actin-bundling activity of Î±-actinin in an isoform-specific manner. Journal of Clinical Investigation, 2005, 115, 1188-1198. | 3.9 | 249 |
| 14 | Klotho and Phosphate Are Modulators of Pathologic Uremic Cardiac Remodeling. Journal of the American Society of Nephrology: JASN, 2015, 26, 1290-1302. | 3.0 | 231 |
| 15 | ARHGDIA mutations cause nephrotic syndrome via defective RHO GTPase signaling. Journal of Clinical Investigation, 2013, 123, 3243-3253. | 3.9 | 196 |
| 16 | Synaptopodin regulates the actin-bundling activity of Î±-actinin in an isoform-specific manner. Journal of Clinical Investigation, 2005, 115, 1188-1198. | 3.9 | 184 |
| 17 | Angiotensin II Contributes to Podocyte Injury by Increasing TRPC6 Expression via an NFAT-Mediated Positive Feedback Signaling Pathway. American Journal of Pathology, 2011, 179, 1719-1732. | 1.9 | 180 |
| 18 | Induction of cardiac FGF23/FGFR4 expression is associated with left ventricular hypertrophy in patients with chronic kidney disease. Nephrology Dialysis Transplantation, 2016, 31, 1088-1099. | 0.4 | 168 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Wnt/Î²-Catenin Pathway in Podocytes Integrates Cell Adhesion, Differentiation, and Survival. Journal of Biological Chemistry, 2011, 286, 26003-26015. | 1.6 | 166 |
| 20 | Mast cells, macrophages, and crown-like structures distinguish subcutaneous from visceral fat in mice. Journal of Lipid Research, 2011, 52, 480-488. | 2.0 | 153 |
| 21 | Synaptopodin Protects Against Proteinuria by Disrupting Cdc42:IRSp53:Mena Signaling Complexes in Kidney Podocytes. American Journal of Pathology, 2007, 171, 415-427. | 1.9 | 150 |
| 22 | FGF23 Actions on Target Tissuesâ€"With and Without Klotho. Frontiers in Endocrinology, 2018, 9, 189. | 1.5 | 142 |
| 23 | CD2AP in mouse and human podocytes controls a proteolytic program that regulates cytoskeletal structure and cellular survival. Journal of Clinical Investigation, 2011, 121, 3965-3980. | 3.9 | 124 |
| 24 | Local TNF causes NFATc1-dependent cholesterol-mediated podocyte injury. Journal of Clinical Investigation, 2016, 126, 3336-3350. | 3.9 | 123 |
| 25 | Differentiation- and stress-dependent nuclear cytoplasmic redistribution of myopodin, a novel actin-bundling protein. Journal of Cell Biology, 2001, 155, 393-404. | 2.3 | 122 |
| 26 | Sphingomyelinase-Like Phosphodiesterase 3b Expression Levels Determine Podocyte Injury Phenotypes in Glomerular Disease. Journal of the American Society of Nephrology: JASN, 2015, 26, 133-147. | 3.0 | 119 |
| 27 | FGF23/FGFR4-mediated left ventricular hypertrophy is reversible. Scientific Reports, 2017, 7, 1993. | 1.6 | 97 |
| 28 | Nuclear relocation of the nephrin and CD2AP-binding protein dendrin promotes apoptosis of podocytes. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10134-10139. | 3.3 | 91 |
| 29 | Inflammation and elevated levels of fibroblast growth factor 23 are independent risk factors forÂdeath in chronic kidney disease. Kidney International, 2017, 91, 711-719. | 2.6 | 91 |
| 30 | Treatment of established left ventricular hypertrophy with fibroblast growth factor receptor blockade in an animal model of CKD. Nephrology Dialysis Transplantation, 2014, 29, 2028-2035. | 0.4 | 86 |
| 31 | DNA-Encoded Library-Derived DDR1 Inhibitor Prevents Fibrosis and Renal Function Loss in a Genetic Mouse Model of Alport Syndrome. ACS Chemical Biology, 2019, 14, 37-49. | 1.6 | 84 |
| 32 | Mpv17l protects against mitochondrial oxidative stress and apoptosis by activation of Omi/HtrA2 protease. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14106-14111. | 3.3 | 81 |
| 33 | Protein Kinase A, Ca<sup>2+</sup>/Calmodulin-Dependent Kinase II, and Calcineurin Regulate the Intracellular Trafficking of Myopodin between the Z-Disc and the Nucleus of Cardiac Myocytes. Molecular and Cellular Biology, 2007, 27, 8215-8227. | 1.1 | 79 |
| 34 | Fibroblast growth factor 23 and Klotho contribute to airway inflammation. European Respiratory Journal, 2018, 52, 1800236. | 3.1 | 78 |
| 35 | Vitamin D treatment attenuates cardiac FGF23/FGFR4 signaling and hypertrophy in uremic rats. Nephrology Dialysis Transplantation, 2017, 32, 1493-1503. | 0.4 | 74 |
| 36 | The Role of Fibroblast Growth Factor 23 in Inflammation and Anemia. International Journal of Molecular Sciences, 2019, 20, 4195. | 1.8 | 65 |

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|---|---|---|---|
| 37 | Essential Role for Synaptopodin in Dendritic Spine Plasticity of the Developing Hippocampus. Journal of Neuroscience, 2013, 33, 12510-12518. | 1.7 | 54 |
| 38 | Cardiac actions of fibroblast growth factor 23. Bone, 2017, 100, 69-79. | 1.4 | 50 |
| 39 | Transient Receptor Potential Channel 6 (TRPC6) Protects Podocytes during Complement-mediated Glomerular Disease. Journal of Biological Chemistry, 2013, 288, 36598-36609. | 1.6 | 49 |
| 40 | The role of fibroblast growth factor 23 and Klotho in uremic cardiomyopathy. Current Opinion in Nephrology and Hypertension, 2016, 25, 314-324. | 1.0 | 47 |
| 41 | Promotion of importin Î±â€“mediated nuclear import by the phosphorylation-dependent binding of cargo protein to 14-3-3. Journal of Cell Biology, 2005, 169, 415-424. | 2.3 | 45 |
| 42 | Fibroblast growth factor 23 and the heart. Current Opinion in Nephrology and Hypertension, 2012, 21, 369-375. | 1.0 | 45 |
| 43 | Paricalcitol Downregulates Myocardial Renin-Angiotensin and Fibroblast Growth Factor Expression and Attenuates Cardiac Hypertrophy in Uremic Rats. American Journal of Hypertension, 2014, 27, 720-726. | 1.0 | 42 |
| 44 | The calcineurinâ€“NFAT pathway allows for urokinase receptor-mediated beta3 integrin signaling to cause podocyte injury. Journal of Molecular Medicine, 2012, 90, 1407-1420. | 1.7 | 41 |
| 45 | Role of fibroblast growth factor 23 and klotho cross talk in idiopathic pulmonary fibrosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L141-L154. | 1.3 | 37 |
| 46 | Klotho Inhibits Interleukin-8 Secretion from Cystic Fibrosis Airway Epithelia. Scientific Reports, 2017, 7, 14388. | 1.6 | 36 |
| 47 | Rescue of tropomyosin deficiency inDrosophilaand human cancer cells by synaptopodin reveals a role of tropomyosin Î± in RhoA stabilization. EMBO Journal, 2012, 31, 1028-1040. | 3.5 | 34 |
| 48 | Novel concepts in understanding and management of glomerular proteinuria. Nephrology Dialysis Transplantation, 2002, 17, 951-955. | 0.4 | 31 |
| 49 | Fibroblast Growth Factor 23: Mineral Metabolism and Beyond. Contributions To Nephrology, 2017, 190, 83-95. | 1.1 | 30 |
| 50 | STAT3-enhancing germline mutations contribute to tumor-extrinsic immune evasion. Journal of Clinical Investigation, 2018, 128, 1867-1872. | 3.9 | 30 |
| 51 | Expression of fgf23 and Âklotho in developing embryonic tissues and adult kidney of the zebrafish, Danio rerio. Nephrology Dialysis Transplantation, 2012, 27, 4314-4322. | 0.4 | 27 |
| 52 | FGF23 and inflammationâ€”a vicious coalition in CKD. Kidney International, 2019, 96, 813-815. | 2.6 | 27 |
| 53 | Signal transduction in podocytesâ€”spotlight on receptor tyrosine kinases. Nature Reviews Nephrology, 2014, 10, 104-115. | 4.1 | 24 |
| 54 | Cardioprotective Effects of Paricalcitol Alone and in Combination With FGF23 Receptor Inhibition in Chronic Renal Failure: Experimental and Clinical Studies. American Journal of Hypertension, 2019, 32, 34-44. | 1.0 | 24 |

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|---|---|---|---|
| 55 | FGF23 effects on the heartâ€"levels, time, source, andÂcontext matter. Kidney International, 2018, 94, 7-11. | 2.6 | 22 |
| 56 | In vivo imaging of kidney glomeruli transplanted into the anterior chamber of the mouse eye. Scientific Reports, 2015, 4, 3872. | 1.6 | 19 |
| 57 | Hyperphosphatemia increases inflammation to exacerbate anemia and skeletal muscle wasting independently of FGF23-FGFR4 signaling. ELife, 2022, 11, . | 2.8 | 18 |
| 58 | Dynamin-mediated Nephrin Phosphorylation Regulates Glucose-stimulated Insulin Release in Pancreatic Beta Cells. Journal of Biological Chemistry, 2012, 287, 28932-28942. | 1.6 | 17 |
| 59 | The Effect of a Gluten-Free Diet in Children With Difficult-to-Manage Nephrotic Syndrome. Pediatrics, 2016, 138, . | 1.0 | 17 |
| 60 | Soluble Î±-klotho and heparin modulate the pathologic cardiac actions of fibroblast growth factor 23 in chronic kidney disease. Kidney International, 2022, 102, 261-279. | 2.6 | 16 |
| 61 | Fibroblast growth factor 23 (FGF23) induces ventricular arrhythmias and prolongs QTc interval in mice in an FGF receptor 4-dependent manner. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H2283-H2294. | 1.5 | 13 |
| 62 | Plasma Zonulin Levels in Childhood Nephrotic Syndrome. Frontiers in Pediatrics, 2019, 7, 197. | 0.9 | 12 |
| 63 | Hunt for the culprit of cardiovascular injury in kidney disease: FigureÂ1. Cardiovascular Research, 2015, 108, 209-211. | 1.8 | 11 |
| 64 | FGFR4 does not contribute to progression of chronic kidney disease. Scientific Reports, 2019, 9, 14023. | 1.6 | 10 |
| 65 | The Effects of the Anti-aging Protein Klotho on Mucociliary Clearance. Frontiers in Medicine, 2019, 6, 339. | 1.2 | 8 |
| 66 | FGF21-FGFR4 signaling in cardiac myocytes promotes concentric cardiac hypertrophy in mouse models of diabetes. Scientific Reports, 2022, 12, 7326. | 1.6 | 8 |
| 67 | FGF23, a novel muscle biomarker detected in the early stages of ALS. Scientific Reports, 2021, 11, 12062. | 1.6 | 7 |
| 68 | Regarding Maas's editorial letter on serum suPAR levels. Kidney International, 2012, 82, 492. | 2.6 | 6 |
| 69 | Fibroblast Growth Factor Receptor 4 Deficiency Mediates Airway Inflammation in the Adult Healthy Lung?. Frontiers in Medicine, 2020, 7, 317. | 1.2 | 6 |
| 70 | Induction of an Inflammatory Response in Primary Hepatocyte Cultures from Mice. Journal of Visualized Experiments, 2017, , . | 0.2 | 5 |
| 71 | A Klotho-Derived Peptide as a Possible Novel Drug to Prevent Kidney Fibrosis. American Journal of Kidney Diseases, 2022, 80, 285-288. | 2.1 | 5 |
| 72 | Hyperphosphatemia Contributes to Inflammation and Iron Dysregulation in Models of Normal and Impaired Renal Function. Blood, 2019, 134, 2238-2238. | 0.6 | 4 |

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|---|---|---|---|
| 73 | CD2AP in mouse and human podocytes controls a proteolytic program that regulates cytoskeletal structure and cellular survival. Journal of Clinical Investigation, 2012, 122, 780-780. | 3.9 | 3 |
| 74 | Gluten-Free Diet in Childhood Difficult-to-Treat Nephrotic Syndrome: A Pilot Feasibility Study. Glomerular Diseases, 2022, 2, 176-183. | 0.2 | 2 |
| 75 | FIBROBLAST GROWTH FACTOR 23 INDUCES LEFT VENTRICULAR HYPERTROPHY. Journal of the American College of Cardiology, 2012, 59, E1059. | 1.2 | 1 |
| 76 | DACH1 as a multifaceted and potentially druggable susceptibility factor for kidney disease. Journal of Clinical Investigation, 2021, 131, . | 3.9 | 1 |
| 77 | Elevated Phosphate Levels Induce Markers of Systemic Inflammation and Anemia in Murine Hepatocytes. FASEB Journal, 2020, 34, 1-1. | 0.2 | 1 |
| 78 | Synaptopodin regulates the actin-bundling activity of Î±-actinin in an isoform-specific manner. Journal of Clinical Investigation, 2012, 122, 781-781. | 3.9 | 1 |
| 79 | The bone at the intersection of kidney and heart disease. Trends in Pharmacological Sciences, 2022, 43, 84-86. | 4.0 | 1 |
| 80 | CD2AP Structure And Progression Of Renal Disease. Biophysical Journal, 2009, 96, 132a-133a. | 0.2 | 0 |
| 81 | TRPC6 in podocytes: questions and commentary on the article by Jiang et al., â€˜Over-expressing transient receptor potential cation channel 6 in podocytes induces cytoskeleton rearrangement through increases of intracellular Ca<sup>2+</sup> and RhoA activationâ€™. Experimental Biology and Medicine, 2011, 236, 1361-1361. | 1.1 | 0 |
| 82 | Dynamin-mediated Nephrin phosphorylation regulates glucose-stimulated insulin release in pancreatic beta cells.. Journal of Biological Chemistry, 2013, 288, 1277. | 1.6 | 0 |
| 83 | Hyperphosphatemia Contributes to Skeletal Muscle Atrophy in Chronic Kidney Disease. FASEB Journal, 2021, 35, . | 0.2 | 0 |