

Search translations for a Scoping review on published literature on PFAS measures and Kidney Outcomes

Developed by Librarian Heidi Reis with assistance from Dr. Lea, Dr. Wang and Molly Stanly

PubMed Search option 2: PFAS Kidney disease with human filter 373 results 3/12/2026

((("Fluorocarbons"[Mesh] OR "Alkanesulfonic Acids"[Mesh] OR PFAS[tiab] OR PFECA[tiab] OR PFOS[tiab] OR PFOA[tiab] OR PFNA[tiab] OR PFHX[tiab] OR PFHpA[tiab] OR PFHxS[tiab] OR PFDA[tiab] OR PFUnDA[tiab] OR "perfluorooctanoic acid"[tiab] OR "perfluorooctanesulfonic acid"[tiab] OR "perfluoroheptanoic acid"[tiab] OR "perfluorohexanesulfonic acid"[tiab] OR "perfluorononanoic acid"[tiab] OR "perfluorodecanoic acid"[tiab] OR "perfluoroundecanoic acid"[tiab] OR Perfluorocarbon[tiab] OR Fluorocarbon*[tiab] OR Perfluorocarbons[tiab] OR Polyfluorocarbon*[tiab] OR "Per- and Polyfluoroalkyl Substance*" [tiab] OR "Per and Polyfluoroalkyl Substance*" [tiab] OR "per and polyfluoroalkyl ether sulfonic acid"[Title/Abstract:~3] OR "per and polyfluoroalkyl ether sulfonic acids"[Title/Abstract:~3] OR "per-and-polyfluoroalkyl ether sulfonic acid"[Title/Abstract:~3] OR "per-and-polyfluoroalkyl ether sulfonic acids"[Title/Abstract:~3] OR "per-and polyfluoroalkyl ether sulfonic acid"[Title/Abstract:~3] OR "per-and polyfluoroalkyl ether sulfonic acids"[Title/Abstract:~3] OR "PFC Perfluorinated Chemical"[Title/Abstract:~3] OR "PFC Perfluorinated Chemicals"[Title/Abstract:~3] OR "Telomer Fluorocarbon"[Title/Abstract:~3] OR "Telomer Fluorocarbons"[Title/Abstract:~3] OR "Fluorinated Telomer Alcohol*" [tiab] OR "Fluoro-Telomer Alcohol*" [tiab] OR "Fluoro Telomer Alcohol*" [tiab] OR "Polyfluorinated Telomer Alcohol*" [tiab] OR "Perfluoroalkyl Carboxylate*" [tiab] OR "Perfluoroalkane Sulfonamide*" [tiab] OR "Perfluoroalkyl Ether Carboxylate*" [tiab] OR "Fluorotelomer Phosphate Ester*" [tiab] OR "Perfluoroalkyl Polyether Carboxylate"[Title/Abstract:~3] OR "Perfluoroalkyl Polyether Carboxylates"[Title/Abstract:~3] OR "Fluorocarbon Emulsion*" [tiab] OR "Perfluoropolyether Carboxylic Acid*" [tiab] OR "alkanesulfonic acid*" [tiab] OR alkanesulfonate*[tiab] OR Perfluorocarbon[tiab] OR "fluor carbon"[tiab:~2] OR "alkane sulfonate*" [tiab] OR "alkylsulfonate"[tiab] OR "alkylsulfonic acid"[tiab]) AND ("Renal Insufficiency, Chronic"[Mesh] OR "kidney disease"[tiab:~3] OR "kidney diseases"[tiab:~3] OR "Kidney injury"[tiab:~3] OR "kidney injuries"[tiab:~3] OR "chronic renal insufficiency"[tiab:~3] OR "chronic renal insufficiencies"[tiab:~3] OR "chronic renal disease"[tiab:~3] OR "chronic renal diseases"[tiab:~3] OR "chronic kidney insufficiency"[tiab:~3] OR "chronic kidney insufficiencies"[tiab:~3] OR "chronic kidney failure"[tiab:~3] OR CKD[tiab] OR "renal failure"[tiab] OR "kidney function"[tiab] OR "renal function"[tiab] OR "renal dysfunction"[tiab] OR "kidney disfunction"[tiab] OR "chronic kidney disorder"[tiab:~3] OR "chronic kidney disorders"[tiab:~3] OR "chronic nephropathy"[tiab])) NOT ("animals"[Mesh] NOT Humans[mesh])

Embase search 234 results 3/12/26 (uncheck everything)

('fluorocarbon'/exp OR 'alkanesulfonic acid'/exp OR pfas:ab,ti OR pfeca:ab,ti OR pfos:ab,ti OR pfoa:ab,ti OR pfna:ab,ti OR pfhx:ab,ti OR pfhpa:ab,ti OR pfhxs:ab,ti OR pfda:ab,ti OR pfunda:ab,ti OR 'perfluorooctanoic acid':ab,ti OR 'perfluorooctanesulfonic acid':ab,ti OR 'perfluoroheptanoic acid':ab,ti OR 'perfluorohexanesulfonic acid':ab,ti OR 'perfluorononanoic acid':ab,ti OR 'perfluorodecanoic acid':ab,ti OR 'perfluoroundecanoic acid':ab,ti OR fluorocarbon*:ab,ti OR perfluorocarbon:ab,ti OR perfluorocarbons:ab,ti OR polyfluorocarbon*:ab,ti OR 'per- and polyfluoroalkyl substance*':ab,ti OR 'per and polyfluoroalkyl substance*':ab,ti OR (('per and polyfluoroalkyl' OR 'per and polyfluoroalkyl') NEAR/3 ether NEAR/3 sulfonic NEAR/3 (acid OR acids)) OR ('per and' NEAR/3 polyfluoroalkyl NEAR/3 ether NEAR/3 sulfonic NEAR/3 (acid OR acids)) OR (pfc NEAR/3 perfluorinated NEAR/3 (chemical OR chemicals)) OR (telomer NEAR/3 (fluorocarbon OR fluorocarbons)) OR (perfluoroalkyl NEAR/3 polyether NEAR/3 (carboxylate OR carboxylates)) OR (fluor NEAR/2 carbon) OR 'fluorinated telomer alcohol*':ab,ti OR 'fluoro-telomer alcohol*':ab,ti OR 'fluoro telomer alcohol*':ab,ti OR 'polyfluorinated telomer alcohol*':ab,ti OR 'perfluoroalkyl carboxylate*':ab,ti OR 'perfluoroalkane sulfonamide*':ab,ti OR 'perfluoroalkyl ether carboxylate*':ab,ti OR 'fluorotelomer phosphate ester*':ab,ti OR 'fluorocarbon emulsion*':ab,ti OR 'perfluoropolyether carboxylic acid*':ab,ti OR 'alkanesulfonic acid*':ab,ti OR alkanesulfonate*:ab,ti OR perfluorocarbon:ab,ti OR 'alkane sulfonate*':ab,ti OR 'alkylsulfonate':ab,ti OR 'alkylsulfonic acid':ab,ti) AND ('chronic kidney failure'/exp OR (kidney NEAR/3 (disease OR diseases OR injury OR injuries)) OR (chronic NEAR/3 (kidney OR renal) NEAR/3 (disease OR diseases OR insufficiency OR insufficiencies OR failure OR disorder OR disorders)) OR ckd:ab,ti OR 'renal failure':ab,ti OR 'kidney function':ab,ti OR 'renal function':ab,ti OR 'renal dysfunction':ab,ti OR 'kidney disfunction':ab,ti OR 'chronic nephropathy':ab,ti) NOT ('animal'/exp NOT 'human'/exp)

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(TITLE-ABS-KEY ({PFAS} OR {PFECA} OR {PFOS} OR {PFOA} OR {PFNA} OR {PFHX} OR {PFHpA} OR {PFHxS} OR {PFDA} OR {PFUnDA} OR {perfluorooctanoic acid} OR {perfluorooctanesulfonic acid} OR {perfluoroheptanoic acid} OR {perfluorohexanesulfonic acid} OR {perfluorononanoic acid} OR {perfluorodecanoic acid} OR {perfluoroundecanoic acid} OR {Fluorocarbon} OR {fluorocarbons} OR {Perfluorocarbon} OR {perfluorocarbons} OR {Polyfluorocarbon} OR {Polyfluorocarbons} OR {Per- and Polyfluoroalkyl Substance} OR {Per- and Polyfluoroalkyl Substances} OR {Per and Polyfluoroalkyl Substance} OR {Per and Polyfluoroalkyl Substances} OR {per and polyfluoroalkyl ether sulfonic acid} OR {per and polyfluoroalkyl ether sulfonic acids} OR {per-and-polyfluoroalkyl ether sulfonic acid} OR {per-and-polyfluoroalkyl ether sulfonic acids} OR {per-and polyfluoroalkyl ether sulfonic acid} OR {per-and polyfluoroalkyl ether sulfonic acids} OR {PFC Perfluorinated Chemical} OR {PFC Perfluorinated Chemicals} OR {Telomer Fluorocarbon} OR {Telomer Fluorocarbons} OR {Fluorinated Telomer Alcohol} OR {Fluorinated Telomer Alcohols} OR {Fluoro-Telomer Alcohol} OR {Fluoro-Telomer Alcohols} OR {Fluoro

Telomer Alcohol} OR {Fluoro Telomer Alcohols} OR {Polyfluorinated Telomer Alcohol} OR {Polyfluorinated Telomer Alcohols} OR {Perfluoroalkyl Carboxylate} OR {Perfluoroalkyl Carboxylates} OR {Perfluoroalkane Sulfonamide} OR {Perfluoroalkane Sulfonamides} OR {Perfluoroalkyl Ether Carboxylate} OR {Perfluoroalkyl Ether Carboxylates} OR {Fluorotelomer Phosphate Ester} OR {Fluorotelomer Phosphate Esters} OR {Perfluoroalkyl Polyether Carboxylate} OR {Perfluoroalkyl Polyether Carboxylates} OR {Fluorocarbon Emulsion} OR {Fluorocarbon Emulsions} OR {Perfluoropolyether Carboxylic Acid} OR {Perfluoropolyether Carboxylic Acids} OR {alkanesulfonic acid} OR {alkanesulfonic acids} OR {alkanesulfonate} OR {alkanesulfonates} OR {fluor carbon} OR {alkane sulfonate} OR {alkane sulfonates} OR {alkylsulfonate} OR {alkylsulfonic acid}) AND TITLE-ABS-KEY ({kidney disease} OR {kidney diseases} OR {Kidney injury} OR {kidney injuries} OR {chronic renal insufficiency} OR {chronic renal insufficiencies} OR {chronic renal disease} OR {chronic renal diseases} OR {chronic kidney insufficiency} OR {chronic kidney insufficiencies} OR {chronic kidney failure} OR {CKD} OR {renal failure} OR {kidney function} OR {renal function} OR {renal dysfunction} OR {kidney disfunction} OR {chronic kidney disorder} OR {chronic kidney disorders} OR {chronic nephropathy}) AND NOT KEY ((animals AND NOT Humans))

ProQuest Agricultural and Environmental Science Collection (contains Agricultural Science Collection and Environmental Science Collection) 123 results 3/12/2026

(title(PFAS OR PFECA OR PFOS OR PFOA OR PFNA OR PFHX OR PFHpA OR PFHxS OR PFDA OR PFUnDA OR "perfluorooctanoic acid" OR "perfluorooctanesulfonic acid" OR "perfluoroheptanoic acid" OR "perfluorohexanesulfonic acid" OR "perfluorononanoic acid" OR "perfluorodecanoic acid" OR "perfluoroundecanoic acid" OR Fluorocarbon OR fluorocarbons OR Perfluorocarbon OR perfluorocarbons OR Polyfluorocarbon OR Polyfluorocarbons OR "Per- and Polyfluoroalkyl Substance*" OR "Per- and Polyfluoroalkyl Substances" OR "Per and Polyfluoroalkyl Substance" OR "Per and Polyfluoroalkyl Substances" OR "per and polyfluoroalkyl ether sulfonic acid" OR "per and polyfluoroalkyl ether sulfonic acids" OR "per-and-polyfluoroalkyl ether sulfonic acid" OR "per-and-polyfluoroalkyl ether sulfonic acids" OR "per-and polyfluoroalkyl ether sulfonic acid" OR "per-and polyfluoroalkyl ether sulfonic acids" OR "PFC Perfluorinated Chemical" OR "PFC Perfluorinated Chemicals" OR "Telomer Fluorocarbon" OR "Telomer Fluorocarbons" OR "Fluorinated Telomer Alcohol" OR "Fluorinated Telomer Alcohols" OR "Fluoro-Telomer Alcohol" OR "Fluoro-Telomer Alcohols" OR "Fluoro Telomer Alcohol" OR "Fluoro Telomer Alcohols" OR "Polyfluorinated Telomer Alcohol" OR "Polyfluorinated Telomer Alcohols" OR "Perfluoroalkyl Carboxylate" OR "Perfluoroalkyl Carboxylates" OR "Perfluoroalkane Sulfonamide" OR "Perfluoroalkane Sulfonamides" OR "Perfluoroalkyl Ether Carboxylate" OR "Perfluoroalkyl Ether Carboxylates" OR "Fluorotelomer Phosphate Ester" OR "Fluorotelomer Phosphate Esters" OR "Perfluoroalkyl Polyether Carboxylate" OR "Perfluoroalkyl Polyether Carboxylates" OR "Fluorocarbon Emulsion" OR "Fluorocarbon Emulsions" OR "Perfluoropolyether Carboxylic Acid" OR "Perfluoropolyether Carboxylic Acids" OR "alkanesulfonic acid" OR "alkanesulfonic acids" OR alkanesulfonate OR alkanesulfonates OR "fluor carbon" OR "alkane sulfonate" OR "alkane sulfonates" OR "alkylsulfonate" OR "alkylsulfonic acid") OR abstract(PFAS OR PFECA OR PFOS OR PFOA OR PFNA OR PFHX OR PFHpA OR PFHxS OR

PFDA OR PFUnDA OR "perfluorooctanoic acid" OR "perfluorooctanesulfonic acid" OR "perfluoroheptanoic acid" OR
 "perfluorohexanesulfonic acid" OR "perfluorononanoic acid" OR "perfluorodecanoic acid" OR "perfluoroundecanoic acid" OR
 Fluorocarbon OR fluorocarbons OR Perfluorocarbon OR perfluorocarbons OR Polyfluorocarbon OR Polyfluorocarbons OR "Per- and
 Polyfluoroalkyl Substance*" OR "Per- and Polyfluoroalkyl Substances" OR "Per and Polyfluoroalkyl Substance" OR "Per and
 Polyfluoroalkyl Substances" OR "per and polyfluoroalkyl ether sulfonic acid" OR "per and polyfluoroalkyl ether sulfonic acids" OR "per-
 and-polyfluoroalkyl ether sulfonic acid" OR "per-and-polyfluoroalkyl ether sulfonic acids" OR "per-and polyfluoroalkyl ether sulfonic acid"
 OR "per-and polyfluoroalkyl ether sulfonic acids" OR "PFC Perfluorinated Chemical" OR "PFC Perfluorinated Chemicals" OR "Telomer
 Fluorocarbon" OR "Telomer Fluorocarbons" OR "Fluorinated Telomer Alcohol" OR "Fluorinated Telomer Alcohols" OR "Fluoro-Telomer
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 OR "Polyfluorinated Telomer Alcohols" OR "Perfluoroalkyl Carboxylate" OR "Perfluoroalkyl Carboxylates" OR "Perfluoroalkane
 Sulfonamide" OR "Perfluoroalkane Sulfonamides" OR "Perfluoroalkyl Ether Carboxylate" OR "Perfluoroalkyl Ether Carboxylates" OR
 "Fluorotelomer Phosphate Ester" OR "Fluorotelomer Phosphate Esters" OR "Perfluoroalkyl Polyether Carboxylate" OR "Perfluoroalkyl
 Polyether Carboxylates" OR "Fluorocarbon Emulsion" OR "Fluorocarbon Emulsions" OR "Perfluoropolyether Carboxylic Acid" OR
 "Perfluoropolyether Carboxylic Acids" OR "alkanesulfonic acid" OR "alkanesulfonic acids" OR alkanesulfonate OR alkanesulfonates OR
 "fluor carbon" OR "alkane sulfonate" OR "alkane sulfonates" OR "alkylsulfonate" OR "alkylsulfonic acid") OR subject(PFAS OR PFECA OR
 PFOS OR PFOA OR PFNA OR PFHX OR PFHpA OR PFHxS OR PFDA OR PFUnDA OR "perfluorooctanoic acid" OR "perfluorooctanesulfonic
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 "perfluoroundecanoic acid" OR Fluorocarbon OR fluorocarbons OR Perfluorocarbon OR perfluorocarbons OR Polyfluorocarbon OR
 Polyfluorocarbons OR "Per- and Polyfluoroalkyl Substance*" OR "Per- and Polyfluoroalkyl Substances" OR "Per and Polyfluoroalkyl
 Substance" OR "Per and Polyfluoroalkyl Substances" OR "per and polyfluoroalkyl ether sulfonic acid" OR "per and polyfluoroalkyl ether
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 polyfluoroalkyl ether sulfonic acid" OR "per-and polyfluoroalkyl ether sulfonic acids" OR "PFC Perfluorinated Chemical" OR "PFC
 Perfluorinated Chemicals" OR "Telomer Fluorocarbon" OR "Telomer Fluorocarbons" OR "Fluorinated Telomer Alcohol" OR "Fluorinated
 Telomer Alcohols" OR "Fluoro-Telomer Alcohol" OR "Fluoro-Telomer Alcohols" OR "Fluoro Telomer Alcohol" OR "Fluoro Telomer
 Alcohols" OR "Polyfluorinated Telomer Alcohol" OR "Polyfluorinated Telomer Alcohols" OR "Perfluoroalkyl Carboxylate" OR
 "Perfluoroalkyl Carboxylates" OR "Perfluoroalkane Sulfonamide" OR "Perfluoroalkane Sulfonamides" OR "Perfluoroalkyl Ether
 Carboxylate" OR "Perfluoroalkyl Ether Carboxylates" OR "Fluorotelomer Phosphate Ester" OR "Fluorotelomer Phosphate Esters" OR
 "Perfluoroalkyl Polyether Carboxylate" OR "Perfluoroalkyl Polyether Carboxylates" OR "Fluorocarbon Emulsion" OR "Fluorocarbon
 Emulsions" OR "Perfluoropolyether Carboxylic Acid" OR "Perfluoropolyether Carboxylic Acids" OR "alkanesulfonic acid" OR
 "alkanesulfonic acids" OR alkanesulfonate OR alkanesulfonates OR "fluor carbon" OR "alkane sulfonate" OR "alkane sulfonates" OR
 "alkylsulfonate" OR "alkylsulfonic acid")) AND (abstract("kidney disease" OR "kidney diseases" OR "Kidney injury" OR "kidney injuries" OR
 "chronic renal insufficiency" OR "chronic renal insufficiencies" OR "chronic renal disease" OR "chronic renal diseases" OR "chronic

kidney insufficiency" OR "chronic kidney insufficiencies" OR "chronic kidney failure" OR CKD OR "renal failure" OR "kidney function" OR "renal function" OR "renal dysfunction" OR "kidney disfunction" OR "chronic kidney disorder" OR "chronic kidney disorders" OR "chronic nephropathy") OR title("kidney disease" OR "kidney diseases" OR "Kidney injury" OR "kidney injuries" OR "chronic renal insufficiency" OR "chronic renal insufficiencies" OR "chronic renal disease" OR "chronic renal diseases" OR "chronic kidney insufficiency" OR "chronic kidney insufficiencies" OR "chronic kidney failure" OR CKD OR "renal failure" OR "kidney function" OR "renal function" OR "renal dysfunction" OR "kidney disfunction" OR "chronic kidney disorder" OR "chronic kidney disorders" OR "chronic nephropathy") OR subject("kidney disease" OR "kidney diseases" OR "Kidney injury" OR "kidney injuries" OR "chronic renal insufficiency" OR "chronic renal insufficiencies" OR "chronic renal disease" OR "chronic renal diseases" OR "chronic kidney insufficiency" OR "chronic kidney insufficiencies" OR "chronic kidney failure" OR CKD OR "renal failure" OR "kidney function" OR "renal function" OR "renal dysfunction" OR "kidney disfunction" OR "chronic kidney disorder" OR "chronic kidney disorders" OR "chronic nephropathy"))