

Presence of benzodiazepines in aquatic environments: a systematic review of the literature

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Supplementary Table 1. Search strategy

PubMed		
Search number	Query	Results
#1	(benzodiazepines[MeSH Terms]) OR (benzodiazepin* [Title/Abstract] OR diazepam [Title/Abstract] OR chlordiazepoxide [Title/Abstract] OR medazepam [Title/Abstract] OR oxazepam [Title/Abstract] OR potassium clorazepate [Title/Abstract] OR lorazepam [Title/Abstract] OR adinazolam [Title/Abstract] OR bromazepam [Title/Abstract] OR clobazam [Title/Abstract] OR ketazolam [Title/Abstract] OR prazepam [Title/Abstract] OR alprazolam [Title/Abstract] OR halazepam [Title/Abstract] OR pinazepam [Title/Abstract] OR camazepam [Title/Abstract] OR nordazepam [Title/Abstract] OR fludiazepam [Title/Abstract] OR ethyl loflazepate [Title/Abstract] OR etizolam [Title/Abstract] OR clotiazepam [Title/Abstract] OR cloxazolam [Title/Abstract] OR tofisopam [Title/Abstract] OR bentazepam [Title/Abstract] OR mexazolam [Title/Abstract] OR flurazepam [Title/Abstract] OR nitrazepam [Title/Abstract] OR flunitrazepam [Title/Abstract] OR estazolam [Title/Abstract] OR triazolam [Title/Abstract] OR lormetazepam [Title/Abstract] OR temazepam [Title/Abstract] OR midazolam [Title/Abstract] OR brotizolam [Title/Abstract] OR quazepam [Title/Abstract] OR loprazolam [Title/Abstract] OR doxefazepam [Title/Abstract] OR cinolazepam [Title/Abstract] OR remimazolam [Title/Abstract] OR nimetazepam [Title/Abstract])	103.464
#2	((((((((((wastewater[MeSH Terms]) OR (water cycle[MeSH Terms])) OR (water cycles[MeSH Terms])) OR (groundwater[MeSH Terms])) OR (groundwaters[MeSH Terms])) OR (fresh water[MeSH Terms])) OR (fresh waters[MeSH Terms])) OR (water pollutants[MeSH Terms])) OR (water pollution[MeSH Terms])) OR (saline waters[MeSH Terms])) OR epidemiological monitoring [MeSH Terms]) OR (Wastewater-Based Epidemiological Monitoring [MeSH Terms])) OR (wastewater*[Title/Abstract] OR "waste-water"[Title/Abstract] OR "waste-waters"[Title/Abstract] OR sewage[Title/Abstract] OR pollut*[Title/Abstract] OR "aquatic environment"[Title/Abstract] OR "water environment"[Title/Abstract] OR "fresh water"[Title/Abstract] OR "surface water"[Title/Abstract] OR "surface waters"[Title/Abstract] OR groundwater*[Title/Abstract] OR "water cycle"[Title/Abstract]))	559.944
#3	#1 AND #2	440
Embase		
Search number	Query	Results
#1	'benzodiazepine derivative'/exp OR 'benzodiazepine derivative' OR 'benzodiazepine'/exp OR 'benzodiazepine'	322.038
#2	benzodiazepine:ti,ab OR benzodiazepines:ti,ab OR diazepam:ti,ab OR chlordiazepoxide:ti,ab OR medazepam:ti,ab OR oxazepam:ti,ab OR ((potassium NEXT/1 clorazepate):ti,ab) OR lorazepam:ti,ab OR adinazolam:ti,ab OR bromazepam:ti,ab OR clobazam:ti,ab OR ketazolam:ti,ab OR prazepam:ti,ab OR alprazolam:ti,ab OR halazepam:ti,ab OR pinazepam:ti,ab OR camazepam:ti,ab OR nordazepam:ti,ab OR fludiazepam:ti,ab OR ((ethyl NEXT/1 loflazepate):ti,ab) OR etizolam:ti,ab OR clotiazepam:ti,ab OR cloxazolam:ti,ab OR tofisopam:ti,ab OR bentazepam:ti,ab OR mexazolam:ti,ab OR flurazepam:ti,ab OR nitrazepam:ti,ab OR flunitrazepam:ti,ab OR estazolam:ti,ab OR triazolam:ti,ab OR lormetazepam:ti,ab OR temazepam:ti,ab OR midazolam:ti,ab OR brotizolam:ti,ab OR quazepam:ti,ab OR loprazolam:ti,ab OR doxefazepam:ti,ab OR cinolazepam:ti,ab OR remimazolam:ti,ab OR nimetazepam:ti,ab	112.921
#3	#1 OR #2	329.885
#4	'wastewater'/exp OR 'wastewater' OR 'wastewater-based epidemiology'/exp OR 'wastewater-based epidemiology' OR 'water cycle'/exp OR 'water cycle' OR 'ground water'/exp OR 'ground water' OR 'groundwater pollution'/exp OR 'groundwater pollution' OR 'groundwater contamination'/exp OR 'groundwater contamination' OR 'fresh water'/exp OR 'fresh water' OR 'water pollution'/exp OR 'water pollution' OR 'water pollutant'/exp OR 'water pollutant' OR 'salt water'/exp OR 'salt water' OR 'sewage'/exp OR 'sewage' OR wastewater:ti,ab OR wastewaters:ti,ab OR 'waste water':ti,ab OR 'waste waters':ti,ab OR sewage:ti,ab OR pollut*:ti,ab OR ((aquatic NEXT/1 environment):ti,ab) OR ((water NEXT/1	568.688

	environment):ti,ab) OR ((fresh NEXT/1 water):ti,ab) OR ((surface NEXT/1 water*):ti,ab) OR groundwater:ti,ab OR ((water NEXT/1 cycle*):ti,ab)	
#5	#3 AND #4	964
Scopus		
#1	INDEXTERMS (benzodiazepine) OR INDEXTERMS (benzodiazepines) OR TITLE (diazepam) OR TITLE (chlordiazepoxide) OR TITLE (medazepam) OR TITLE (oxazepam) OR TITLE (potassium AND clorazepate) OR TITLE (lorazepam) OR TITLE (adinazolam) OR TITLE (bromazepam) OR TITLE (clobazam) OR TITLE (ketazolam) OR TITLE (prazepam) OR TITLE (alprazolam) OR TITLE (halazepam) OR TITLE (pinazepam) OR TITLE (camazepam) OR TITLE (nordazepam) OR TITLE (fludiazepam) OR TITLE (ethyl AND loflazepate) OR TITLE (etizolam) OR TITLE (clotiazepam) OR TITLE (cloxazolam) OR TITLE (tofisopam) OR TITLE (bentazepam) OR TITLE (mexazolam) OR TITLE (flurazepam) OR TITLE (nitrazepam) OR TITLE (flunitrazepam) OR TITLE (estazolam) OR TITLE (triazolam) OR TITLE (lormetazepam) OR TITLE (temazepam) OR TITLE (midazolam) OR TITLE (brotizolam) OR TITLE (quazepam) OR TITLE (loprazolam) OR TITLE (doxefazepam) OR TITLE (cinolazepam) OR TITLE (remimazolam) OR TITLE (nimetazepam) OR ABS (diazepam) OR ABS (chlordiazepoxide) OR ABS (medazepam) OR ABS (oxazepam) OR ABS (potassium AND clorazepate) OR ABS (lorazepam) OR ABS (adinazolam) OR ABS (bromazepam) OR ABS (clobazam) OR ABS (ketazolam) OR ABS (prazepam) OR ABS (alprazolam) OR ABS (halazepam) OR ABS (pinazepam) OR ABS (camazepam) OR ABS (nordazepam) OR ABS (fludiazepam) OR ABS (ethyl AND loflazepate) OR ABS (etizolam) OR ABS (clotiazepam) OR ABS (cloxazolam) OR ABS (tofisopam) OR ABS (bentazepam) OR ABS (mexazolam) OR ABS (flurazepam) OR ABS (nitrazepam) OR ABS (flunitrazepam) OR ABS (estazolam) OR ABS (triazolam) OR ABS (lormetazepam) OR ABS (temazepam) OR ABS (midazolam) OR ABS (brotizolam) OR ABS (quazepam) OR ABS (loprazolam) OR ABS (doxefazepam) OR ABS (cinolazepam) OR ABS (remimazolam) OR ABS (nimetazepam)	141.164
#2	INDEXTERMS (wastewater) OR INDEXTERMS (wastewaters) OR INDEXTERMS ("water cycle") OR INDEXTERMS ("water cycles") OR INDEXTERMS (groundwater) OR INDEXTERMS (groundwaters) OR INDEXTERMS ("fresh water") OR INDEXTERMS ("fresh waters") OR INDEXTERMS ("water pollutants") OR INDEXTERMS ("water pollution") OR INDEXTERMS ("saline waters") OR INDEXTERMS ("epidemiological monitoring") OR INDEXTERMS ("Wastewater-Based Epidemiological Monitoring") OR TITLE (wastewater*) OR TITLE ("waste-water") OR TITLE ("waste-waters") OR TITLE (sewage) OR TITLE (pollut*) OR TITLE ("aquatic environment") OR TITLE ("water environment") OR TITLE ("fresh water") OR TITLE ("surface water") OR TITLE ("surface waters") OR TITLE (groundwater*) OR TITLE ("water cycle") OR ABS (wastewater*) OR ABS ("waste-water") OR ABS ("waste-waters") OR ABS (sewage) OR ABS (pollut*) OR ABS ("aquatic environment") OR ABS ("water environment") OR ABS ("fresh water") OR ABS ("surface water") OR ABS ("surface waters") OR ABS (groundwater*) OR ABS ("water cycle")	1,635,059
#3	#1 AND #2	569