

Jacobus P Gerber

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

2,908
citations

201575

27
h-index

175177

52
g-index

69
all docs

69
docs citations

69
times ranked

3447
citing authors

#	ARTICLE	IF	CITATIONS
1	A wastewater-based assessment of the impact of a minimum unit price (MUP) on population alcohol consumption in the Northern Territory, Australia. <i>Addiction</i> , 2022, 117, 243-249.	1.7	14
2	Wastewater analysis for psychoactive substances at music festivals across New South Wales, Australia in 2019-2020. <i>Clinical Toxicology</i> , 2022, 60, 440-445.	0.8	11
3	Partitioning of phytocannabinoids between faeces and water - Implications for wastewater-based epidemiology. <i>Science of the Total Environment</i> , 2022, 805, 150269.	3.9	3
4	Injectable Diels-Alder cycloaddition hydrogels with tuneable gelation, stiffness and degradation for the sustained release of T-lymphocytes. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3329-3343.	2.9	10
5	A Taste for New Psychoactive Substances: Wastewater Analysis Study of 10 Countries. <i>Environmental Science and Technology Letters</i> , 2022, 9, 57-63.	3.9	27
6	Methcathinone in wastewater: Drug of choice, or artefact?. <i>Science of the Total Environment</i> , 2022, 836, 155696.	3.9	8
7	Application of catecholamine metabolites as endogenous population biomarkers for wastewater-based epidemiology. <i>Science of the Total Environment</i> , 2021, 763, 142992.	3.9	11
8	How the recreational stimulant market has changed: Case study in Adelaide, Australia 2016-2019. <i>Science of the Total Environment</i> , 2021, 757, 143728.	3.9	11
9	Changes in alcohol consumption associated with social distancing and self-isolation policies triggered by COVID-19 in South Australia: a wastewater analysis study. <i>Addiction</i> , 2021, 116, 1600-1605.	1.7	55
10	International snapshot of new psychoactive substance use: Case study of eight countries over the 2019/2020 new year period. <i>Water Research</i> , 2021, 193, 116891.	5.3	34
11	Delivering harm reduction to the community and frontline medical practitioners through the South Australian Drug Early Warning System (SADEWS). <i>Forensic Science, Medicine, and Pathology</i> , 2021, 17, 388-394.	0.6	11
12	A method and its application to determine the amount of cannabinoids in sewage sludge and biosolids. <i>Environmental Science and Pollution Research</i> , 2021, 28, 59652-59664.	2.7	7
13	Role of saturated and unsaturated fatty acids on dicarbonyl-albumin derived advanced glycation end products in vitro. <i>Amino Acids</i> , 2021, , 1.	1.2	2
14	Impact of COVID-19 Controls on the Use of Illicit Drugs and Alcohol in Australia. <i>Environmental Science and Technology Letters</i> , 2021, 8, 799-804.	3.9	22
15	Pholedrine is a marker of direct disposal of methamphetamine. <i>Science of the Total Environment</i> , 2021, 782, 146839.	3.9	6
16	An optimized and robust PEG precipitation method for detection of SARS-CoV-2 in wastewater. <i>Science of the Total Environment</i> , 2021, 785, 147270.	3.9	43
17	Multisite Calibration of a Microporous Polyethylene Tube Passive Sampler for Quantifying Drugs in Wastewater. <i>Environmental Science & Technology</i> , 2021, 55, 12922-12929.	4.6	1
18	A sensitive analytical method for the measurement of neurotransmitter metabolites as potential population biomarkers in wastewater. <i>Journal of Chromatography A</i> , 2020, 1612, 460623.	1.8	16

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19	Spatio-temporal assessment of illicit drug use at large scale: evidence from 7 years of international wastewater monitoring. <i>Addiction</i> , 2020, 115, 109-120.	1.7	154
20	Determination of 21 synthetic cathinones, phenethylamines, amphetamines and opioids in influent wastewater using liquid chromatography coupled to tandem mass spectrometry. <i>Talanta</i> , 2020, 208, 120479.	2.9	53
21	Amphetamine dependence in Australia. <i>Lancet, The</i> , 2020, 396, 957.	6.3	1
22	What is the drug of choice of young festivalgoers?. <i>Drug and Alcohol Dependence</i> , 2020, 216, 108315.	1.6	11
23	Determining changes in new psychoactive substance use in Australia by wastewater analysis. <i>Science of the Total Environment</i> , 2020, 731, 139209.	3.9	33
24	Anabasine-based measurement of cigarette consumption using wastewater analysis. <i>Drug Testing and Analysis</i> , 2020, 12, 1393-1398.	1.6	11
25	<p>Perindopril in Breast Milk and Determination of Breastfed Infant Exposure: A Prospective Observational Study</p>. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 961-967.	2.0	2
26	Determination of anabasine, anatabine, and nicotine biomarkers in wastewater by enhanced direct injection LC-MS/MS and evaluation of their in-sewer stability. <i>Science of the Total Environment</i> , 2020, 743, 140551.	3.9	17
27	Determination of prescribed and designer benzodiazepines and metabolites in influent wastewater. <i>Analytical Methods</i> , 2020, 12, 3637-3644.	1.3	26
28	The complexities associated with new psychoactive substances in influent wastewater: The case of 4-ethylmethcathinone. <i>Drug Testing and Analysis</i> , 2020, 12, 1494-1500.	1.6	5
29	Towards an efficient method for the extraction and analysis of cannabinoids in wastewater. <i>Talanta</i> , 2020, 217, 121034.	2.9	37
30	Occurrence, removal and environmental risk of markers of five drugs of abuse in urban wastewater systems in South Australia. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33816-33826.	2.7	16
31	Investigating the appearance of new psychoactive substances in South Australia using wastewater and forensic data. <i>Drug Testing and Analysis</i> , 2019, 11, 250-256.	1.6	27
32	Harnessing the Power of the Census: Characterizing Wastewater Treatment Plant Catchment Populations for Wastewater-Based Epidemiology. <i>Environmental Science & Technology</i> , 2019, 53, 10303-10311.	4.6	69
33	Synthesis and evaluation of 2-H-spiro[cyclohexane-1,3-imidazo[1,5-a]pyridine]-1,5-dione derivatives as Mnk inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 2650-2654.	1.0	10
34	Understanding the Removal and Fate of Selected Drugs of Abuse in Sludge and Biosolids from Australian Wastewater Treatment Operations. <i>Engineering</i> , 2019, 5, 872-879.	3.2	13
35	Removal of emerging drugs of addiction by wastewater treatment and water recycling processes and impacts on effluent-associated environmental risk. <i>Science of the Total Environment</i> , 2019, 680, 13-22.	3.9	29
36	Simultaneous determination of 24 opioids, stimulants and new psychoactive substances in wastewater. <i>MethodsX</i> , 2019, 6, 953-960.	0.7	34

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37	Uncertainties in estimating alcohol and tobacco consumption by wastewater-based epidemiology. <i>Current Opinion in Environmental Science and Health</i> , 2019, 9, 13-18.	2.1	27
38	LC-HRMS suspect screening to show spatial patterns of New Psychoactive Substances use in Australia. <i>Science of the Total Environment</i> , 2019, 650, 2181-2187.	3.9	58
39	Discovery of N-Phenyl-4-(1H-pyrrol-3-yl)pyrimidin-2-amine Derivatives as Potent Mnk2 Inhibitors: Design, Synthesis, SAR Analysis, and Evaluation of in vitro Anti-leukaemic Activity. <i>Medicinal Chemistry</i> , 2019, 15, 602-623.	0.7	7
40	Investigating the correlation between wastewater analysis and roadside drug testing in South Australia. <i>Drug and Alcohol Dependence</i> , 2018, 187, 123-126.	1.6	14
41	Measuring spatial and temporal trends of nicotine and alcohol consumption in Australia using wastewater-based epidemiology. <i>Addiction</i> , 2018, 113, 1127-1136.	1.7	62
42	Multi-year inter-laboratory exercises for the analysis of illicit drugs and metabolites in wastewater: Development of a quality control system. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 103, 34-43.	5.8	85
43	Qualitative and quantitative temporal analysis of licit and illicit drugs in wastewater in Australia using liquid chromatography coupled to mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 529-542.	1.9	39
44	Transfer of rosuvastatin into breast milk: liquid chromatography–mass spectrometry methodology and clinical recommendations. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 3645-3651.	2.0	9
45	Estimation of Atenolol Transfer Into Milk and Infant Exposure During Its Use in Lactating Women. <i>Journal of Human Lactation</i> , 2018, 34, 592-599.	0.8	7
46	Effect of Garlic, Gingko, and St. John's Wort Extracts on the Pharmacokinetics of Fexofenadine: A Mechanistic Study. <i>Drug Metabolism and Disposition</i> , 2017, 45, 569-575.	1.7	8
47	A new LC-MS/MS bioanalytical method for atenolol in human plasma and milk. <i>Bioanalysis</i> , 2017, 9, 517-530.	0.6	12
48	A new LC-MS/MS bioanalytical method for perindopril and perindoprilat in human plasma and milk. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6141-6148.	1.9	7
49	Occurrence of illicit drugs in water and wastewater and their removal during wastewater treatment. <i>Water Research</i> , 2017, 124, 713-727.	5.3	82
50	Wastewater analysis shows a large decrease in oxycodone use in Adelaide. <i>Medical Journal of Australia</i> , 2017, 207, 88-88.	0.8	2
51	Temporal trends in drug use in Adelaide, South Australia by wastewater analysis. <i>Science of the Total Environment</i> , 2016, 565, 384-391.	3.9	115
52	Estimates of tobacco use by wastewater analysis of anabasine and anatabine. <i>Drug Testing and Analysis</i> , 2016, 8, 702-707.	1.6	35
53	Physical factors affecting chloroquine binding to melanin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 8-16.	2.5	15
54	Using Sepia melanin as a PD model to describe the binding characteristics of neuromelanin - A critical review. <i>Journal of Chemical Neuroanatomy</i> , 2015, 64-65, 20-32.	1.0	42

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55	Trends in stimulant use in Australia: A comparison of wastewater analysis and population surveys. <i>Science of the Total Environment</i> , 2015, 536, 331-337.	3.9	35
56	Chloroquine and hydroxychloroquine binding to melanin: Some possible consequences for pathologies. <i>Toxicology Reports</i> , 2014, 1, 963-968.	1.6	56
57	Towards finding a population biomarker for wastewater epidemiology studies. <i>Science of the Total Environment</i> , 2014, 487, 621-628.	3.9	141
58	Increased abundance of <i>Sutterella</i> spp. and <i>Ruminococcus torques</i> in feces of children with autism spectrum disorder. <i>Molecular Autism</i> , 2013, 4, 42.	2.6	330
59	Elevated Fecal Short Chain Fatty Acid and Ammonia Concentrations in Children with Autism Spectrum Disorder. <i>Digestive Diseases and Sciences</i> , 2012, 57, 2096-2102.	1.1	323
60	In Vivo Activity of Benzoyl Ester Clerodane Diterpenoid Derivatives from <i>Dodonaea polyandra</i> . <i>Journal of Natural Products</i> , 2011, 74, 650-657.	1.5	27
61	A review of candidate urinary biomarkers for autism spectrum disorder. <i>Biomarkers</i> , 2011, 16, 537-552.	0.9	37
62	Is the tissue persistence of O6-methyl-2â€²-deoxyguanosine an indicator of tumour formation in the gastrointestinal tract?. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 721, 119-126.	0.9	10
63	Flavonoids from the leaves and stems of <i>Dodonaea polyandra</i> : A Northern Kaanju medicinal plant. <i>Phytochemistry</i> , 2011, 72, 1883-1888.	1.4	26
64	Low Relative Abundances of the Mucolytic Bacterium <i>Akkermansia muciniphila</i> and <i>Bifidobacterium</i> spp. in Feces of Children with Autism. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6718-6721.	1.4	356
65	Is there a role for routinely screening children with autism spectrum disorder for creatine deficiency syndrome?. <i>Autism Research</i> , 2010, 3, 268-272.	2.1	11
66	Disposition of isosteviol in the rat isolated perfused liver. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010, 37, 593-597.	0.9	6
67	Is urinary indolyl-3-acryloyl glycine a biomarker for autism with gastrointestinal symptoms?. <i>Biomarkers</i> , 2009, 14, 596-603.	0.9	20
68	Determination of colistin in human plasma, urine and other biological samples using LCâ€”MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 862, 205-212.	1.2	54
69	Oral and i.v. pharmacokinetics of isosteviol in rats as assessed by a new sensitive LCâ€”MS/MS method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 986-990.	1.4	10