

# Jan Weijma

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/155241/publications.pdf>

Version: 2024-02-01

29  
papers

1,463  
citations

394421

19  
h-index

501196

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1857  
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper Recovery Combined with Electricity Production in a Microbial Fuel Cell. <i>Environmental Science &amp; Technology</i> , 2010, 44, 4376-4381.	10.0	322
2	Cometabolic degradation of trichloroethylene by <i>Pseudomonas cepacia</i> G4 in a chemostat with toluene as the primary substrate. <i>Applied and Environmental Microbiology</i> , 1994, 60, 3368-3374.	3.1	100
3	Control of the sulfide (S <sup>2-</sup> ) concentration for optimal zinc removal by sulfide precipitation in a continuously stirred tank reactor. <i>Water Research</i> , 2003, 37, 3709-3717.	11.3	94
4	X-Ray Diffraction of Iron Containing Samples: The Importance of a Suitable Configuration. <i>Geomicrobiology Journal</i> , 2018, 35, 511-517.	2.0	91
5	Harvest to harvest: Recovering nutrients with New Sanitation systems for reuse in Urban Agriculture. <i>Resources, Conservation and Recycling</i> , 2018, 128, 426-437.	10.8	82
6	Acceptance of new sanitation: The role of end-users' pro-environmental personal norms and risk and benefit perceptions. <i>Water Research</i> , 2018, 131, 90-99.	11.3	80
7	Autogenerative high pressure digestion: anaerobic digestion and biogas upgrading in a single step reactor system. <i>Water Science and Technology</i> , 2011, 64, 647-653.	2.5	78
8	Biogenic Scorodite Crystallization by <i>Acidianus sulfidivorans</i> for Arsenic Removal. <i>Environmental Science &amp; Technology</i> , 2010, 44, 675-680.	10.0	69
9	Sulfur Reduction in Acid Rock Drainage Environments. <i>Environmental Science &amp; Technology</i> , 2015, 49, 11746-11755.	10.0	59
10	Methanol utilization by a novel thermophilic homoacetogenic bacterium, <i>Moorella mulderi</i> sp. nov., isolated from a bioreactor. <i>Archives of Microbiology</i> , 2003, 179, 315-320.	2.2	54
11	Microbiological selenate to selenite conversion for selenium removal. <i>Water Research</i> , 2013, 47, 2118-2128.	11.3	53
12	Fertile cities: Nutrient management practices in urban agriculture. <i>Science of the Total Environment</i> , 2019, 668, 1277-1288.	8.0	50
13	Continuous bioscorodite crystallization in CSTRs for arsenic removal and disposal. <i>Water Research</i> , 2012, 46, 5883-5892.	11.3	43
14	High-Calorific Biogas Production by Selective CO <sub>2</sub> Retention at Autogenerated Biogas Pressures up to 20 Bar. <i>Environmental Science &amp; Technology</i> , 2012, 46, 1895-1902.	10.0	41
15	Immobilization of arsenic as scorodite by a thermoacidophilic mixed culture via As(III)-catalyzed oxidation with activated carbon. <i>Journal of Hazardous Materials</i> , 2019, 368, 221-227.	12.4	38
16	Optimisation of sulphate reduction in a methanol-fed thermophilic bioreactor. <i>Water Research</i> , 2002, 36, 1825-1833.	11.3	36
17	Bioscorodite Crystallization in an Airlift Reactor for Arsenic Removal. <i>Crystal Growth and Design</i> , 2012, 12, 2699-2706.	3.0	32
18	Silicate minerals for CO <sub>2</sub> scavenging from biogas in Autogenerative High Pressure Digestion. <i>Water Research</i> , 2013, 47, 3742-3751.	11.3	30

#	ARTICLE	IF	CITATIONS
19	Performance of a thermophilic sulfate and sulfite reducing high rate anaerobic reactor fed with methanol. <i>Biodegradation</i> , 2000, 11, 429-439.	3.0	25
20	Kinetics of ferrous iron oxidation by batch and continuous cultures of thermoacidophilic Archaea at extremely low pH of 1.1–1.3. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 1295-1303.	3.6	18
21	Biological Conversion of Anglesite (PbSO <sub>4</sub> ) and Lead Waste from Spent Car Batteries to Galena (PbS). <i>Biotechnology Progress</i> , 2002, 18, 770-775.	2.6	16
22	Thiosulphate conversion in a methane and acetate fed membrane bioreactor. <i>Environmental Science and Pollution Research</i> , 2016, 23, 2467-2478.	5.3	10
23	Starch hydrolysis in autogenerative high pressure digestion: Gelatinisation and saccharification as rate limiting steps. <i>Biomass and Bioenergy</i> , 2014, 71, 256-265.	5.7	9
24	High rates of anaerobic oxidation of methane, ethane and propane coupled to thiosulphate reduction. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3697-3704.	5.3	9
25	Methanol utilizing <i>Desulfotomaculum</i> species utilizes hydrogen in a methanol-fed sulfate-reducing bioreactor. <i>Applied Microbiology and Biotechnology</i> , 2007, 73, 1203-1211.	3.6	7
26	HPLC inorganic arsenic speciation analysis of samples containing high sulfuric acid and iron levels. <i>Toxicological and Environmental Chemistry</i> , 2011, 93, 415-423.	1.2	7
27	Quantifying microorganisms during biooxidation of arsenite and bioleaching of zinc sulfide. <i>Minerals Engineering</i> , 2013, 48, 25-30.	4.3	5
28	Magnetite synthesis from ferrous iron solution at pH 6.8 in a continuous stirred tank reactor. <i>Water Science and Technology</i> , 2018, 77, 1870-1878.	2.5	4
29	Recovery of Metals and Stabilization of Arsenic from (Bio-)Leaching Operations by Engineered Biological Processes. <i>Advanced Materials Research</i> , 0, 825, 536-539.	0.3	1