Alexander Jb Zehnder

List of Publications by Year
in descending order

36	3,492	236925 25	361022 35
papers	citations	h-index	g-index

36	36	36	4055
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Uncertainty based assessment of dynamic freshwater scarcity in semi-arid watersheds of Alberta, Canada. Journal of Hydrology: Regional Studies, 2017, 9, 48-68.	2.4	47
2	Setting up a hydrological model of Alberta: Data discrimination analyses prior to calibration. Environmental Modelling and Software, 2015, 74, 48-65.	4.5	71
3	Modeling impacts of climate change on freshwater availability in Africa. Journal of Hydrology, 2013, 480, 85-101.	5.4	197
4	Improved SWAT Model Performance With Timeâ€Dynamic Voronoi Tessellation of Climatic Input Data in Southern Africa¹. Journal of the American Water Resources Association, 2012, 48, 480-493.	2.4	11
5	Potential impacts of water harvesting and ecological sanitation on crop yield, evaporation and river flow regimes in the Thukela River basin, South Africa. Agricultural Water Management, 2011, 98, 1113-1124.	5.6	33
6	Water scarcity and food trade in the Southern and Eastern Mediterranean countries. Food Policy, 2007, 32, 585-605.	6.0	71
7	Influence of temperature and high acetate concentrations on methanogenensis in lake sediment slurries. FEMS Microbiology Ecology, 2007, 62, 336-344.	2.7	104
8	The South-North Water Transfer Project in China. Water International, 2005, 30, 339-349.	1.0	75
9	Action of chelators on solid iron in phosphate-containing aqueous solutions. Corrosion Science, 2003, 45, 1717-1732.	6.6	19
10	Water scarcity, pricing mechanism and institutional reform in northern China irrigated agriculture. Agricultural Water Management, 2003, 61, 143-161.	5.6	182
11	Water Endowments and Virtual Water Trade. Gaia, 2002, 11, 263-266.	0.7	3
12	Water Scarcity and Food Import: A Case Study for Southern Mediterranean Countries. World Development, 2002, 30, 1413-1430.	4.9	124
13	The glutathione peroxidase homologous gene from Chlamydomonas reinhardtii is transcriptionally up-regulated by singlet oxygen. Plant Molecular Biology, 2001, 46, 395-408.	3.9	105
14	Repair of damaged vivianite coatings on mild steel using bacteria. Corrosion Science, 2001, 43, 2135-2146.	6.6	20
15	Methanosarcina lacustris sp. nov., a New Psychrotolerant Methanogenic Archaeon from Anoxic Lake Sediments. Systematic and Applied Microbiology, 2001, 24, 362-367.	2.8	81
16	DNA degradation by the mixture of copper and catechol is caused by DNA-copper-hydroperoxo complexes, probably DNA-Cu(I)OOH. Environmental and Molecular Mutagenesis, 2000, 36, 5-12.	2.2	66
17	DLVO and steric contributions to bacterial deposition in media of different ionic strengths. Colloids and Surfaces B: Biointerfaces, 1999, 14, 179-195.	5.0	222
18	Behavior of chemical contaminants under controlled redox conditions in an artificial sequential soil column system and in batch cultures. Biodegradation, 1999, 10, 405-414.	3.0	1

#	Article	IF	Citations
19	Enrichment, Phylogenetic Analysis and Detection of a Bacterium That Performs Enhanced Biological Phosphate Removal in Activated Sludge. Systematic and Applied Microbiology, 1999, 22, 454-465.	2.8	358
20	Combinations of chlorocatechols and heavy metals cause DNA degradation in vitro but must not result in increased mutation rates in vivo. , 1999, 33, 202-210.		16
21	Determination of polyhydroxyalkanoates in activated sludge by ion chromatographic and enzymatic methods. Journal of Microbiological Methods, 1999, 35, 111-119.	1.6	41
22	Structure of a glutathione peroxidase homologous gene involved in the oxidative stress response in Chlamydomonas reinhardtii. Plant Science, 1999, 149, 139-149.	3.6	33
23	Transport of bacteria in unsaturated porous media. Journal of Contaminant Hydrology, 1998, 33, 149-169.	3.3	162
24	Polymer interactions between five gram-negative bacteria and glass investigated using LPS micelles and vesicles as model systems. Colloids and Surfaces B: Biointerfaces, 1998, 11, 33-45.	5.0	58
25	Determination of the total charge in the cell walls of Gram-positive bacteria. Colloids and Surfaces B: Biointerfaces, 1997, 9, 81-100.	5.0	218
26	Conductivity and Dielectric Dispersion of Gram-Positive Bacterial Cells. Journal of Colloid and Interface Science, 1997, 186, 71-79.	9.4	68
27	Reversibility and mechanism of bacterial adhesion. Colloids and Surfaces B: Biointerfaces, 1995, 4, 5-22.	5.0	230
28	The isoelectric point of bacteria as an indicator for the presence of cell surface polymers that inhibit adhesion. Colloids and Surfaces B: Biointerfaces, 1995, 4, 191-197.	5.0	181
29	Phosphate and nitrate removal. Current Opinion in Biotechnology, 1994, 5, 275-284.	6.6	12
30	Contribution of precipitated phosphates and acid-soluble polyphosphate to enhanced biological phosphate removal. Water Research, 1992, 26, 937-943.	11.3	25
31	Methanogenesis from acetate: a comparison of the acetate metabolism inMethanothrix soehngeniiandMethanosarcinaspp.. FEMS Microbiology Letters, 1992, 88, 181-198.	1.8	411
32	Adenine nucleotide content and energy charge ofMethanothrix soehngeniiduring acetate degradation. FEMS Microbiology Letters, 1991, 84, 313-318.	1.8	15
33	Acetate threshold values and acetate activating enzymes in methanogenic bacteria. FEMS Microbiology Letters, 1990, 73, 339-344.	1.8	137
34	Purification and some properties of the methyl-CoM reductase ofMethanothrix soehngenii. FEMS Microbiology Letters, 1990, 66, 183-186.	1.8	23
35	Carbon monoxide dehydrogenase and acetate thiokinase inMethanothrix soehngenii. FEMS Microbiology Letters, 1984, 21, 287-292.	1.8	49
36	Biological energy production in the apparent absence of electron transport and substrate level phosphorylation. FEBS Letters, 1979, 107, 1-3.	2.8	23