

Simos Malamis

List of Publications by Year in descending order

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papers

1,348
citations

516710

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477307

29
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all docs

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docs citations

30
times ranked

1928
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane bioreactors “A review on recent developments in energy reduction, fouling control, novel configurations, LCA and market prospects. Journal of Membrane Science, 2017, 527, 207-227.	8.2	329
2	A review on nitrous oxide (N ₂ O) emissions during biological nutrient removal from municipal wastewater and sludge reject water. Science of the Total Environment, 2017, 596-597, 106-123.	8.0	221
3	Fractionation of proteins and carbohydrates of extracellular polymeric substances in a membrane bioreactor system. Bioresource Technology, 2009, 100, 3350-3357.	9.6	93
4	Regeneration of natural zeolite polluted by lead and zinc in wastewater treatment systems. Journal of Hazardous Materials, 2011, 189, 773-786.	12.4	79
5	Use of ultrafiltration membranes and aluminosilicate minerals for nickel removal from industrial wastewater. Journal of Membrane Science, 2010, 360, 234-249.	8.2	78
6	Industrial wastewater pre-treatment for heavy metal reduction by employing a sorbent-assisted ultrafiltration system. Chemosphere, 2011, 82, 557-564.	8.2	75
7	Development of a Novel Process Integrating the Treatment of Sludge Reject Water and the Production of Polyhydroxyalkanoates (PHAs). Environmental Science & Technology, 2015, 49, 10877-10885.	10.0	66
8	Performance of a membrane bioreactor used for the treatment of wastewater contaminated with heavy metals. Bioresource Technology, 2011, 102, 4325-4332.	9.6	60
9	Assessment of metal removal, biomass activity and RO concentrate treatment in an MBR“RO system. Journal of Hazardous Materials, 2012, 209-210, 1-8.	12.4	54
10	Investigation of Cr(III) removal from wastewater with the use of MBR combined with low-cost additives. Journal of Membrane Science, 2009, 333, 12-19.	8.2	34
11	Study of Ni(II), Cu(II), Pb(II), and Zn(II) Removal Using Sludge and Minerals Followed by MF/UF. Water, Air, and Soil Pollution, 2011, 218, 81-92.	2.4	33
12	Mitigating off-gas emissions in the biological nitrogen removal via nitrite process treating anaerobic effluents. Journal of Cleaner Production, 2015, 93, 126-133.	9.3	32
13	Examination of zinc uptake in a combined system using sludge, minerals and ultrafiltration membranes. Journal of Hazardous Materials, 2010, 182, 27-38.	12.4	25
14	Technical and environmental evaluation of an integrated scheme for the co-treatment of wastewater and domestic organic waste in small communities. Water Research, 2017, 109, 173-185.	11.3	20
15	Are centralized MBRs coping with the current transition of large petrochemical areas? A pilot study in Porto-Marghera (Venice). Chemical Engineering Journal, 2013, 214, 68-77.	12.7	17
16	Nutrient removal via nitrite from reject water and polyhydroxyalkanoate (<sc>PHA</sc>) storage during nitrifying conditions. Journal of Chemical Technology and Biotechnology, 2015, 90, 1802-1810.	3.2	17
17	Decentralised schemes for integrated management of wastewater and domestic organic waste: the case of a small community. Journal of Environmental Management, 2017, 203, 732-740.	7.8	17
18	Investigation of long-term operation and biomass activity in a membrane bioreactor system. Water Science and Technology, 2011, 63, 1906-1912.	2.5	11

#	ARTICLE	IF	CITATIONS
19	Reject water characterization and treatment through short-cut nitrification/denitrification: assessing the effect of temperature and type of substrate. Journal of Chemical Technology and Biotechnology, 2018, 93, 3638-3647.	3.2	11
20	Pre-treatment of Industrial Wastewater Polluted with Lead Using Adsorbents and Ultrafiltration or Microfiltration Membranes. Water Environment Research, 2011, 83, 298-312.	2.7	10
21	Investigation of the inhibitory effects of heavy metals on heterotrophic biomass activity and their mitigation through the use of natural minerals. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 1992-1999.	1.7	10
22	Operation of a modified anaerobic baffled reactor coupled with a membrane bioreactor for the treatment of municipal wastewater in Taiwan. Environmental Technology (United Kingdom), 2019, 40, 1233-1238.	2.2	10
23	Cr(VI) removal from aqueous solutions using aluminosilicate minerals in their Pb-exchanged forms. Applied Clay Science, 2017, 147, 54-62.	5.2	9
24	Evaluation of the Efficiency of a Combined Adsorption-Ultrafiltration System for the Removal of Heavy Metals, Color, and Organic Matter from Textile Wastewater. Separation Science and Technology, 2011, 46, 920-932.	2.5	7
25	A novel scheme for denitrifying biological phosphorus removal via nitrite from nutrient-rich anaerobic effluents in a short-cut sequencing batch reactor. Journal of Chemical Technology and Biotechnology, 2016, 91, 190-197.	3.2	7
26	Influence of the Backwash Cleaning Water Temperature on the Membrane Performance in a Pilot SBR Unit. Water (Switzerland), 2018, 10, 238.	2.7	7
27	Biological cyanide removal from industrial wastewater by applying membrane bioreactors. Journal of Chemical Technology and Biotechnology, 2020, 95, 3041-3050.	3.2	7
28	Inhibition of free nitrous acid and free ammonia on polyphosphate accumulating organisms: Evidence of insufficient phosphorus removal through nitrification-denitrification. Journal of Environmental Management, 2021, 297, 113390.	7.8	7
29	The Inhibitory Effect of Free Nitrous Acid and Free Ammonia on the Anoxic Phosphorus Uptake Rate of Polyphosphate-Accumulating Organisms. Energies, 2022, 15, 2108.	3.1	2
30	Integrated selection of PHA-storing biomass and nitrogen removal via nitrite from sludge reject water: a mathematical model. Environmental Technology (United Kingdom), 2024, 45, 73-86.	2.2	0