

Serdar Dogruel

List of Publications by Year in descending order

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35
papers

1,073
citations

516710

16
h-index

414414

32
g-index

35
all docs

35
docs citations

35
times ranked

1017
citing authors

#	ARTICLE	IF	CITATIONS
1	Pre-treatment of penicillin formulation effluent by advanced oxidation processes. Journal of Hazardous Materials, 2004, 112, 105-113.	12.4	159
2	Size distribution of wastewater COD fractions as an index for biodegradability. Water Research, 2006, 40, 273-282.	11.3	133
3	COD fractionation of tannery wastewatersâ€™ Particle size distribution, biodegradability and modeling. Water Research, 2008, 42, 1083-1092.	11.3	97
4	Combined chemical and biological oxidation of penicillin formulation effluent. Journal of Environmental Management, 2004, 73, 155-163.	7.8	88
5	Effect of Fenton's oxidation on the particle size distribution of organic carbon in olive mill wastewater. Water Research, 2009, 43, 3974-3983.	11.3	58
6	Biological treatability of raw and ozonated penicillin formulation effluent. Journal of Hazardous Materials, 2004, 116, 159-166.	12.4	53
7	An investigation on the optimal location of ozonation within biological treatment for a tannery wastewater. Journal of Chemical Technology and Biotechnology, 2006, 81, 1877-1885.	3.2	44
8	Biodegradation characteristics and size fractionation of landfill leachate for integrated membrane treatment. Journal of Hazardous Materials, 2013, 260, 825-832.	12.4	36
9	A scientific approach to wastewater recovery and reuse in the textile industry. Water Science and Technology, 2001, 43, 223-231.	2.5	34
10	Ozonation of Nonbiodegradable Organics in Tannery Wastewater. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2004, 39, 1705-1715.	1.7	30
11	Kinetic characterization of acetate utilization and response of microbial population in super fast membrane bioreactor. Journal of Membrane Science, 2014, 455, 392-404.	8.2	28
12	Assessment of source-based nitrogen removal alternatives in leather tanning industry wastewater. Water Science and Technology, 2002, 45, 205-215.	2.5	22
13	Impact of ultrasonic pretreatment on Fenton-based oxidation of olive mill wastewater - towards a sustainable treatment scheme. Journal of Cleaner Production, 2021, 313, 127948.	9.3	20
14	Ozonation application in activated sludge systems for a textile mill effluent. Water Science and Technology, 2002, 45, 305-313.	2.5	18
15	Effect of chemical treatment on soluble residual COD in textile wastewaters. Water Science and Technology, 2002, 45, 251-259.	2.5	17
16	Effect of stream segregation on ozonation for the removal of significant COD fractions from textile wastewater. Journal of Chemical Technology and Biotechnology, 2003, 78, 6-14.	3.2	17
17	Biodegradation characteristics of high strength municipal wastewater supported by particle size distribution. Desalination and Water Treatment, 2012, 45, 11-20.	1.0	16
18	Effect of ultrasonic and microwave disintegration on physico-chemical and biodegradation characteristics of waste-activated sludge. Environmental Technology (United Kingdom), 2017, 38, 844-859.	2.2	16

#	ARTICLE	IF	CITATIONS
19	Effect of ozonation on chemical oxygen demand fractionation and color profile of textile wastewaters. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 426-432.	3.2	15
20	Effect of chemical and biological treatment on COD fingerprints of textile wastewaters. <i>Water Science and Technology</i> , 2007, 55, 277-287.	2.5	15
21	Ozonation in advanced treatment of secondary municipal wastewater effluents for the removal of micropollutants. <i>Environmental Science and Pollution Research</i> , 2020, 27, 45460-45475.	5.3	15
22	Coagulation-Flocculation of Wastewaters from a Water-Based Paint and Allied Products Industry and its Effect on Inert COD. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006, 41, 1843-1852.	1.7	14
23	Effect of Ozonation on Biodegradability Characteristics of Surplus Activated Sludge. <i>Ozone: Science and Engineering</i> , 2007, 29, 191-199.	2.5	14
24	Potential of ultrafiltration for organic matter removal in the polymer industry effluent based on particle size distribution analysis. <i>Environmental Science and Pollution Research</i> , 2013, 20, 340-350.	5.3	14
25	Particle size distribution based evaluation of biodegradation and treatability for leachate from organic waste. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 1364-1373.	3.2	13
26	Wastewater Reuse for the Minimization of Fresh Water Demand in Coastal Areas—Selected Cases from the Textile Finishing Industry. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2003, 38, 1641-1657.	1.7	12
27	Performance of ozone and peroxone on the removal of endocrine disrupting chemicals (EDCs) coupled with cost analysis. <i>Water Science and Technology</i> , 2020, 82, 640-650.	2.5	12
28	In-plant control applications and their effect on treatability of a textile mill wastewater. <i>Water Science and Technology</i> , 2002, 45, 287-295.	2.5	11
29	Co-metabolism of olive mill wastewater in sequencing batch reactor under aerobic conditions after Fenton-based oxidation. <i>Journal of Water Process Engineering</i> , 2021, 43, 102277.	5.6	11
30	Particle size distribution as a major characteristic of domestic wastewater: implications for the modeling and design of membrane bioreactors. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 825-836.	3.2	10
31	Feasibility Analysis of In-Plant Control for Water Minimization and Wastewater Reuse in a Wool Finishing Textile Mill. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2004, 39, 1819-1832.	1.7	9
32	Effect of ferric chloride coagulation, lime precipitation, electrocoagulation and the Fenton's reagent on the particle size distribution of olive mill wastewater. <i>International Journal of Global Warming</i> , 2014, 6, 194.	0.5	8
33	Particle size distribution of chemical oxygen demand in industrial effluents: impact on effective filtration size and modelling of membrane bioreactors. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 1777-1784.	3.2	7
34	Evaluation of Coagulation-Flocculation on a COD-Based Molecular Size Distribution for a Textile Finishing Mill Effluent. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006, 41, 1899-1908.	1.7	5
35	Anatomy of the organic carbon in an industrial wastewater: Implications of particle size distribution, respirometry and process modelling. <i>Chemical Engineering Research and Design</i> , 2021, 146, 257-266.	5.6	2