Delia Teresa Sponza

List of Publications by Year
in descending order

106 papers	3,509 citations	117625 34 h-index	149698 56 g-index
107 all docs	107 docs citations	107 times ranked	3437 citing authors

#	Article	IF	Citations
1	Investigation of extracellular polymer substances (EPS) and physicochemical properties of different activated sludge flocs under steady-state conditions. Enzyme and Microbial Technology, 2003, 32, 375-385.	3.2	161
2	Extracellular polymer substances and physicochemical properties of flocs in steady and unsteady-state activated sludge systems. Process Biochemistry, 2002, 37, 983-998.	3.7	157
3	Impact of leachate recirculation and recirculation volume on stabilization of municipal solid wastes in simulated anaerobic bioreactors. Process Biochemistry, 2004, 39, 2157-2165.	3.7	154
4	Substrate removal kinetics in an upflow anaerobic sludge blanket reactor decolorising simulated textile wastewater. Process Biochemistry, 2005, 40, 1189-1198.	3.7	153
5	Anaerobic/aerobic treatment of a simulated textile wastewater. Separation and Purification Technology, 2008, 60, 64-72.	7.9	131
6	Decolorization and azo dye degradation by anaerobic/aerobic sequential process. Enzyme and Microbial Technology, 2002, 31, 102-110.	3.2	130
7	Anaerobic/aerobic treatment of municipal landfill leachate in sequential two-stage up-flow anaerobic sludge blanket reactor (UASB)/completely stirred tank reactor (CSTR) systems. Process Biochemistry, 2005, 40, 895-902.	3.7	107
8	Effect of oxygen on decolorization of azo dyes by Escherichia coli and Pseudomonas sp. and fate of aromatic amines. Process Biochemistry, 2003, 38, 1183-1192.	3.7	90
9	Co-digestion of mixed industrial sludge with municipal solid wastes in anaerobic simulated landfilling bioreactors. Journal of Hazardous Materials, 2007, 140, 75-85.	12.4	90
10	Monitoring of toxicity and intermediates of C.I. Direct Black 38 azo dye through decolorization in an anaerobic/aerobic sequential reactor system. Journal of Hazardous Materials, 2004, 114, 29-39.	12.4	87
11	Effects of alkalinity and co-substrate on the performance of an upflow anaerobic sludge blanket (UASB) reactor through decolorization of Congo Red azo dye. Bioresource Technology, 2005, 96, 633-643.	9.6	85
12	Effect of rhamnolipid on the aerobic removal of polyaromatic hydrocarbons (PAHs) and COD components from petrochemical wastewater. Bioresource Technology, 2010, 101, 914-924.	9.6	82
13	Application of toxicity tests into discharges of the pulp-paper industry in Turkey. Ecotoxicology and Environmental Safety, 2003, 54, 74-86.	6.0	79
14	Effect of alkalinity on the performance of a simulated landfill bioreactor digesting organic solid wastes. Chemosphere, 2005, 59, 871-879.	8.2	79
15	Toxicity studies in a chemical dye production industry in Turkey. Journal of Hazardous Materials, 2006, 138, 438-447.	12.4	76
16	Environmental geochemistry and pollution studies of AliaÇ§a metal industry district. Environment International, 2002, 27, 541-553.	10.0	75
17	Decolorization and inhibition kinetic of Direct Black 38 azo dye with granulated anaerobic sludge. Enzyme and Microbial Technology, 2004, 34, 147-158.	3.2	73
18	Toxicity and intermediates of C.I. Direct Red 28 dye through sequential anaerobic/aerobic treatment. Process Biochemistry, 2005, 40, 2735-2744.	3.7	72

#	Article	IF	Citations
19	Reactor performances and fate of aromatic amines through decolorization of Direct Black 38 dye under anaerobic/aerobic sequentials. Process Biochemistry, 2005, 40, 35-44.	3.7	71
20	Performance of anaerobic baffled reactor (ABR) treating synthetic wastewater containing p-nitrophenol. Enzyme and Microbial Technology, 2005, 36, 888-895.	3.2	63
21	Biological treatment of acid dyeing wastewater using a sequential anaerobic/aerobic reactor system. Enzyme and Microbial Technology, 2006, 38, 887-892.	3.2	61
22	A batch kinetic study on decolorization and inhibition of Reactive Black 5 and Direct Brown 2 in an anaerobic mixed culture. Chemosphere, 2004, 55, 119-128.	8.2	60
23	Fate and toxicity of azo dye metabolites under batch long-term anaerobic incubations. Enzyme and Microbial Technology, 2007, 40, 934-939.	3.2	60
24	Treatability of sulfamerazine in sequential upflow anaerobic sludge blanket reactor (UASB)/completely stirred tank reactor (CSTR) processes. Separation and Purification Technology, 2007, 56, 108-117.	7.9	59
25	Kinetic of carbonaceous substrate in an upflow anaerobic sludge sludge blanket (UASB) reactor treating 2,4 dichlorophenol (2,4 DCP). Journal of Environmental Management, 2008, 86, 121-131.	7.8	49
26	Necessity of toxicity assessment in Turkish industrial discharges (examples from metal and textile) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.7	48
27	Kinetics of para-nitrophenol and chemical oxygen demand removal from synthetic wastewater in an anaerobic migrating blanket reactor. Journal of Hazardous Materials, 2009, 161, 787-799.	12.4	45
28	Co-digestion of industrial sludge with municipal solid wastes in anaerobic simulated landfilling reactors. Process Biochemistry, 2005, 40, 1871-1879.	3.7	41
29	Effect of increasing nitrobenzene loading rates on the performance of anaerobic migrating blanket reactor and sequential anaerobic migrating blanket reactor/completely stirred tank reactor system. Journal of Hazardous Materials, 2009, 168, 390-399.	12.4	41
30	Anaerobic/aerobic sequential treatment of a cotton textile mill wastewater. Journal of Chemical Technology and Biotechnology, 2004, 79, 1268-1274.	3.2	38
31	Effects of nitrobenzene concentration and hydraulic retention time on the treatment of nitrobenzene in sequential anaerobic baffled reactor (ABR)/continuously stirred tank reactor (CSTR) system. Bioresource Technology, 2009, 100, 2162-2170.	9.6	38
32	Anaerobic granule formation and tetrachloroethylene (TCE) removal in an upflow anaerobic sludge blanket (UASB) reactor. Enzyme and Microbial Technology, 2001, 29, 417-427.	3.2	37
33	Removals of PAHs and acute toxicity via sonication in a petrochemical industry wastewater. Chemical Engineering Journal, 2010, 162, 142-150.	12.7	36
34	Aromatic Amine Degradation in a UASB/CSTR Sequential System Treating Congo Red Dye. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2003, 38, 2301-2315.	1.7	34
35	Decolorization of Azo Dyes Under Batch Anaerobic and Sequential Anaerobic/Aerobic Conditions. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2004, 39, 1107-1127.	1.7	34
36	p-Nitrophenol removal in a sequential anaerobic migrating blanket reactor (AMBR)/aerobic completely stirred tank reactor (CSTR) system. Process Biochemistry, 2005, 40, 1679-1691.	3.7	34

#	Article	IF	Citations
37	A batch study for assessing the inhibition effect of Direct Yellow 12 in a mixed methanogenic culture. Process Biochemistry, 2005, 40, 1053-1062.	3.7	34
38	Relationships between acute toxicities of para nitrophenol (p-NP) and nitrobenzene (NB) to Daphnia magna and Photobacterium phosphoreum: Physicochemical properties and metabolites under anaerobic/aerobic sequentials. Journal of Hazardous Materials, 2011, 185, 1187-1197.	12.4	34
39	Removal of oxytetracycline (OTC) in a synthetic pharmaceutical wastewater by sequential anaerobic multichamber bed reactor (AMCBR)/completely stirred tank reactor (CSTR) system: biodegradation and inhibition kinetics. Journal of Chemical Technology and Biotechnology, 2012, 87, 961-975.	3.2	30
40	Relationships between chemical oxygen demand (COD) components and toxicity in a sequential anaerobic baffled reactor/aerobic completely stirred reactor system treating Kemicetine. Journal of Hazardous Materials, 2010, 176, 64-75.	12.4	27
41	Treatment of 2,4-dichlorophenol (DCP) in a sequential anaerobic (upflow anaerobic sludge blanket) aerobic (completely stirred tank) reactor system. Process Biochemistry, 2005, 40, 3419-3428.	3.7	26
42	Destruction of some more and less hydrophobic PAHs and their toxicities in a petrochemical industry wastewater with sonication in Turkey. Bioresource Technology, 2010, 101, 8639-8648.	9.6	25
43	Removals of some hydrophobic poly aromatic hydrocarbons (PAHs) and Daphnia magna acute toxicity in a petrochemical industry wastewater with ultrasound in Izmir-Turkey. Separation and Purification Technology, 2011, 77, 301-311.	7.9	24
44	Effects of shredding of wastes on the treatment of municipal solid wastes (MSWs) in simulated anaerobic recycled reactors. Enzyme and Microbial Technology, 2005, 36, 25-33.	3.2	23
45	Treatment of olive mill wastewater by photooxidation with ZrO₂-doped TiO₂nanocomposite and its reuse capability. Environmental Technology (United Kingdom), 2016, 37, 865-879.	2.2	23
46	Treatment efficiencies of a sequential anaerobic baffled reactor (ABR)/completely stirred tank reactor (CSTR) system at increasing p-nitrophenol and COD loading rates. Process Biochemistry, 2006, 41, 1484-1492.	3.7	22
47	Aerobic biodegradation and inhibition kinetics of polyâ€aromatic hydrocarbons (PAHs) in a petrochemical industry wastewater in the presence of biosurfactants. Journal of Chemical Technology and Biotechnology, 2012, 87, 658-672.	3.2	20
48	Incorporation of Toxicity Tests into the Turkish Industrial Discharge Monitoring Systems. Archives of Environmental Contamination and Toxicology, 2002, 43, 186-197.	4.1	19
49	Enhancement of granule formation and sludge retainment for tetrachloroethylene (TCE) removal in an upflow anaerobic sludge blanket (UASB) reactor. Journal of Environmental Management, 2003, 7, 453-462.	1.7	19
50	Relationships between anaerobic consortia and removal efficiencies in an UASB reactor degrading 2,4 dichlorophenol (DCP). Journal of Environmental Management, 2008, 87, 177-192.	7.8	19
51	Effects of sludge retention time and biosurfactant on the treatment of polyaromatic hydrocarbon (PAH) in a petrochemical industry wastewater. Water Science and Technology, 2011, 64, 2282-2292.	2.5	19
52	Toxicity Studies in a Tobacco Industry Biological Treatment Plant. Water, Air, and Soil Pollution, 2002, 134, 137-164.	2.4	18
53	Effects of sludge retention time (SRT) and biosurfactant on the removal of polyaromatic compounds and toxicity. Journal of Hazardous Materials, 2011, 197, 404-416.	12.4	17
54	Treatment of wastewaters from the olive mill industry by sonication. Journal of Chemical Technology and Biotechnology, 2013, 88, 212-225.	3.2	17

#	Article	IF	Citations
55	Reuse and recovery of raw hospital wastewater containing ofloxacin after photocatalytic treatment with nano graphene oxide magnetite. Water Science and Technology, 2018, 77, 304-322.	2.5	17
56	Hydrogen Sulfide and Odor Control in Ä°zmir Bay. Water, Air, and Soil Pollution, 2000, 123, 245-257.	2.4	16
57	Application of Boxâ€“Wilson experimental design method for 2,4-dinitrotoluene treatment in a sequential anaerobic migrating blanket reactor (AMBR)/aerobic completely stirred tank reactor (CSTR) system. Journal of Hazardous Materials, 2011, 187, 222-234.	12.4	16
58	Effect of Aeration on the Performance of a Simulated Landfilling Reactor Stabilizing Municipal Solid Wastes. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2004, 39, 2955-2972.	1.7	15
59	Biological Treatment of Petrochemical Wastewaters by Pseudomonas Sp. Added Activated Sludge Culture. Environmental Technology (United Kingdom), 1996, 17, 673-685.	2.2	14
60	Effect of sonication assisted by titanium dioxide and ferrous ions on polyaromatic hydrocarbons (PAHs) and toxicity removals from a petrochemical industry wastewater in Turkey. Journal of Chemical Technology and Biotechnology, 2010, 85, 913-925.	3.2	14
61	Photodegradation of some brominated and phenolic micropollutants in raw hospital wastewater with CeO2 and TiO2 nanoparticles. Water Science and Technology, 2017, 76, 2603-2622.	2.5	14
62	Simultaneous granulation, biomass retainment and carbon tetrachloride (CT) removal in an upflow anaerobic sludge blanket (UASB) reactor. Process Biochemistry, 2002, 37, 1091-1101.	3.7	13
63	Performance of p-nitrophenol (p-NP) fed sequential anaerobic migrating blanket reactor (AMBR)/aerobic completely stirred tank reactor (CSTR) system under increasing organic loading conditions. Enzyme and Microbial Technology, 2007, 40, 1026-1034.	3.2	13
64	Toxicity and treatability of carbontetrachloride and tetrachloroethylene in anaerobic batch cultures. International Biodeterioration and Biodegradation, 2003, 51, 119-127.	3.9	12
65	Relationships between anaerobic consortia and removal efficiencies in an UASB reactor degrading 2,4 DCP. Desalination, 2009, 245, 1-18.	8.2	12
66	Dephenolization, dearomatization and detoxification of olive mill wastewater with sonication combined with additives and radical scavengers. Ultrasonics Sonochemistry, 2014, 21, 1244-1257.	8.2	12
67	Properties of Four Biological Flocs as Related to Settling. Journal of Environmental Engineering, ASCE, 2004, 130, 1289-1300.	1.4	11
68	Effects of Hydraulic Retention Time (HRT) and Sludge Retention Time (SRT) on the Treatment of Nitrobenzene in AMBR/CSTR Reactor Systems. Environmental Technology (United Kingdom), 2007, 28, 285-296.	2.2	11
69	SEQUENTIAL ANAEROBIC, AEROBIC/ANOXIC TREATMENT OF SIMULATED LANDFILL LEACHATE. Environmental Technology (United Kingdom), 2008, 29, 183-197.	2.2	11
70	Removal of ciprofloxacin antibiotic with nano graphene oxide magnetite composite: comparison of adsorption and photooxidation processes. , 0, 63, 293-307.		11
71	Comparison of the sensitivities of fish, Microtox and Daphnia-magna bioassays to amoxycillin in anaerobic/aerobic sequential reactor systems. Water Science and Technology, 2012, 66, 1117-1131.	2.5	10
72	Ultimate azo dye degradation in anaerobic/aerobic sequential processes. Water Science and Technology, 2002, 45, 271-278.	2.5	9

#	Article	IF	Citations
73	Simultaneous phosphorus, nitrogen and dinitrotoluene removals in batch anaerobic/anoxic/aerobic sequentials. Process Biochemistry, 2005, 40, 25-34.	3.7	9
74	Comparison of biological and advanced treatment processes for ciprofloxacin removal in a raw hospital wastewater. Environmental Technology (United Kingdom), 2016, 37, 3151-3167.	2.2	9
75	Title is missing!. Biotechnology Letters, 2001, 23, 1209-1216.	2.2	8
76	Treatment of 2,4 dichlorophenol (DCP) in a sequential anaerobic (upflow anaerobic sludge blanket) aerobic (completely stirred tank) reactor system at increasing organic loading rates. Desalination, 2006, 195, 235-250.	8.2	8
77	Effect of Ultrasonic Irradiation on the Treatment of Poly-Aromatic Substances (PAHs) from a Petrochemical Industry Wastewater. Ozone: Science and Engineering, 2011, 33, 194-210.	2.5	8
78	Treatment of trichlorotoluene in an anaerobic/aerobic sequential reactor system. Process Biochemistry, 2005, 40, 69-82.	3.7	7
79	Influence of nitrate and COD on phosphorus, nitrogen and dinitrotoluene (DNT) removals under batch anaerobic and anoxic conditions. Anaerobe, 2004, 10, 287-293.	2.1	6
80	Effects of nitrobenzene concentrations and hydraulic retention time on the treatment of nitrobenzene in sequential anaerobic baffled reactor and continuously stirred tank reactor system. Water Science and Technology, 2007, 55, 227-236.	2.5	6
81	Effects of sludge retention time (SRTs) on the removals of polycyclic aromatic hydrocarbons (PAHs), chemical oxygen demand (COD), and toxicity in a petrochemical industry wastewater. Desalination and Water Treatment, 2011, 26, 57-65.	1.0	6
82	TETRACHLOROETHYLENE (TCE) REMOVAL DURING ANAEROBIC GRANULATION IN AN UPFLOW ANAEROBIC SLUDGE BLANKET (UASB) REACTOR. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2002, 37, 213-236.	1.7	5
83	Incorporation of Toxicity Tests to the Discharges of Pulp Paper Industry in Turkey. Bulletin of Environmental Contamination and Toxicology, 2002, 69, 719-726.	2.7	4
84	Biotransformation of Carbon Tetrachloride and Anaerobic Granulation in a Upflow Anaerobic Sludge Blanket Reactor. Journal of Environmental Engineering, ASCE, 2005, 131, 425-433.	1.4	4
85	Effect of sonication on the treatment of polycyclic aromatic hydrocarbons (PAHs) in a petrochemical industry wastewater and toxicity evaluations. Desalination and Water Treatment, 2011, 26, 24-38.	1.0	4
86	Contribution of Oxides, Salt, and Carbonate to the Sonication of Some Hydrophobic Polyaromatic Hydrocarbons and Toxicity in Petrochemical Industry Wastewater in Ä°zmir, Turkey. Journal of Environmental Engineering, ASCE, 2011, 137, 1012-1025.	1.4	4
87	Photodegradation of Polyphenols and Aromatic Amines in Olive Mill Effluents with Ni Doped C/TiO₂. Journal of Chemistry, 2015, 2015, 1-12.	1.9	4
88	Title is missing!. World Journal of Microbiology and Biotechnology, 2001, 17, 839-847.	3.6	3
89	Removals of non-analogous OTC and BaP in AMCBR with and without primary substrate. Environmental Technology (United Kingdom), 2016, 37, 1768-1781.	2.2	3
90	Toxicity Studies of Tobacco Wastewater. Aquatic Ecosystem Health and Management, 2001, 4, 479-492.	0.6	2

#	Article	IF	Citations
91	Treatability of 2,4 Dinitrotoluene in Anaerobic/Aerobic Sequential Processes. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2003, 38, 1529-1548.	1.7	2
92	Influence of Nitrate and COD on Phosphorus and Nitrogen Removals under Batch Methanogenic and Denitrifying Conditions. Environmental Engineering Science, 2005, 22, 145-155.	1.6	2
93	EFFECTS OF SHOCK 2,4â€ĐICHLOROPHENOL (DCP) AND COD LOADING RATES ON THE REMOVAL OF 2,4â€ĐCP IN A SEQUENTIAL UPFLOW ANAEROBIC SLUDGE BLANKET/AEROBIC COMPLETELY STIRRED TANK REACTOR SYSTEM. Environmental Technology (United Kingdom), 2008, 29, 413-421.	2.2	2
94	Photodegradation of olive mill effluent with hydrogel-coated Fe₃O₄magnetite composite. Desalination and Water Treatment, 2016, 57, 2489-2502.	1.0	2
95	Hydrocarbon degradation abilities of psychrotolerant Bacillus strains. AIMS Microbiology, 2017, 3, 467-482.	2.2	2
96	Simultaneous toxicity and nutrient removals in simulated DEPHANOX (anaerobic/anoxic/oxic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 2004, 49, 237-244.	2.5	1
97	Treatability of atrazine in a simulated DEPHANOX process. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2009, 44, 307-315.	1.7	1
98	Effectiveness of Air, N2 (gas), Fe+3 and Fe3O4 Nanoparticles on the Sonication of Less and More Hydrophobic Polycyclic Aromatic Hydrocarbons (PAHs) and Toxicity. Water, Air, and Soil Pollution, 2012, 223, 1215-1236.	2.4	1
99	Investigation of the Effects of Sewage Sludge Addition into Solid Waste Digestion and Leachate Characteristics. Asian Journal of Chemistry, 2013, 25, 7495-7498.	0.3	1
100	Treatment of Wastewaters from the Olive Mill Industry Wastewaters by Sonication Process at Different Conditions. Asian Journal of Applied Chemistry Research, 0, , 7-53.	0.0	1
101	Biofuel Production from Carbon Dioxide Gas in Polluted Areas. Environmental Science and Engineering, 2019, , 127-139.	0.2	1
102	Removal of some types of polyphenols and aromatic amines in textile industry wastewaters by nanocerium-dioxide-doped titanium dioxide. , 0, 71, 116-135.		1
103	Effect of Increasing Nitrobenzene Loading Rates on the Performance of AMBR and Sequential AMBR/CSTR Reactor System. Journal of Environmental Engineering, ASCE, 2009, 135, 266-278.	1.4	0
104	Anaerobic treatment of antibiotics, toxicity removal and biogas production. , 2009, , .		0
105	The Increase of Biological Treatment Efficiency in Petroleum Refinery and Petrochemical Wastewaters by Acclimated Microorganisms. , 1997, , 181-186.		0
106	Removals of Gentamicin and Benzo[a]Pyrene in an Anaerobic Multichamber Bed Reactor. The Global Environmental Engineers, 0, 6, 16-33.	0.3	0