

Delia Teresa Sponza

List of Publications by Year in descending order

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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	Biofuel Production from Carbon Dioxide Gas in Polluted Areas. Environmental Science and Engineering, 2019, , 127-139.	0.2	1
2	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
3	Photodegradation of some brominated and phenolic micropollutants in raw hospital wastewater with CeO ₂ and TiO ₂ nanoparticles. Water Science and Technology, 2017, 76, 2603-2622.	2.5	14
4	Hydrocarbon degradation abilities of psychrotolerant Bacillus strains. AIMS Microbiology, 2017, 3, 467-482.	2.2	2
5	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
6	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
7	Photodegradation of olive mill effluent with hydrogel-coated Fe ₃ O ₄ magnetite composite. Desalination and Water Treatment, 2016, 57, 2489-2502.	1.0	2
8	Treatment of olive mill wastewater by photooxidation with ZrO ₂ -doped TiO ₂ nanocomposite and its reuse capability. Environmental Technology (United Kingdom), 2016, 37, 865-879.	2.2	23
9	Photodegradation of Polyphenols and Aromatic Amines in Olive Mill Effluents with Ni Doped C/TiO ₂ . Journal of Chemistry, 2015, 2015, 1-12.	1.9	4
10	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
11	Treatment of wastewaters from the olive mill industry by sonication. Journal of Chemical Technology and Biotechnology, 2013, 88, 212-225.	3.2	17
12	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
13	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
14	Aerobic biodegradation and inhibition kinetics of polycyclic 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
15	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
16	Effectiveness of Air, N ₂ (gas), Fe ⁺³ and Fe ₃ O ₄ 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
17	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
18	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

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19	Effects of sludge retention time (SRT) and biosurfactant on the removal of polyaromatic compounds and toxicity. <i>Journal of Hazardous Materials</i> , 2011, 197, 404-416.	12.4	17
20	Relationships between acute toxicities of para nitrophenol (p-NP) and nitrobenzene (NB) to <i>Daphnia magna</i> and <i>Photobacterium phosphoreum</i> : Physicochemical properties and metabolites under anaerobic/aerobic sequential. <i>Journal of Hazardous Materials</i> , 2011, 185, 1187-1197.	12.4	34
21	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. <i>Journal of Hazardous Materials</i> , 2011, 187, 222-234.	12.4	16
22	Removals of some hydrophobic poly aromatic hydrocarbons (PAHs) and <i>Daphnia magna</i> acute toxicity in a petrochemical industry wastewater with ultrasound in Izmir-Turkey. <i>Separation and Purification Technology</i> , 2011, 77, 301-311.	7.9	24
23	Contribution of Oxides, Salt, and Carbonate to the Sonication of Some Hydrophobic Polyaromatic Hydrocarbons and Toxicity in Petrochemical Industry Wastewater in Åzmir, Turkey. <i>Journal of Environmental Engineering, ASCE</i> , 2011, 137, 1012-1025.	1.4	4
24	Effect of Ultrasonic Irradiation on the Treatment of Poly-Aromatic Substances (PAHs) from a Petrochemical Industry Wastewater. <i>Ozone: Science and Engineering</i> , 2011, 33, 194-210.	2.5	8
25	Effects of sludge retention time and biosurfactant on the treatment of polyaromatic hydrocarbon (PAH) in a petrochemical industry wastewater. <i>Water Science and Technology</i> , 2011, 64, 2282-2292.	2.5	19
26	Relationships between chemical oxygen demand (COD) components and toxicity in a sequential anaerobic baffled reactor/aerobic completely stirred reactor system treating Kemicetine. <i>Journal of Hazardous Materials</i> , 2010, 176, 64-75.	12.4	27
27	Effect of sonication assisted by titanium dioxide and ferrous ions on polyaromatic hydrocarbons (PAHs) and toxicity removals from a petrochemical industry wastewater in Turkey. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 913-925.	3.2	14
28	Removals of PAHs and acute toxicity via sonication in a petrochemical industry wastewater. <i>Chemical Engineering Journal</i> , 2010, 162, 142-150.	12.7	36
29	Effect of rhamnolipid on the aerobic removal of polyaromatic hydrocarbons (PAHs) and COD components from petrochemical wastewater. <i>Bioresource Technology</i> , 2010, 101, 914-924.	9.6	82
30	Destruction of some more and less hydrophobic PAHs and their toxicities in a petrochemical industry wastewater with sonication in Turkey. <i>Bioresource Technology</i> , 2010, 101, 8639-8648.	9.6	25
31	Treatability of atrazine in a simulated DEPHANOX process. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009, 44, 307-315.	1.7	1
32	Effect of Increasing Nitrobenzene Loading Rates on the Performance of AMBR and Sequential AMBR/CSTR Reactor System. <i>Journal of Environmental Engineering, ASCE</i> , 2009, 135, 266-278.	1.4	0
33	Kinetics of para-nitrophenol and chemical oxygen demand removal from synthetic wastewater in an anaerobic migrating blanket reactor. <i>Journal of Hazardous Materials</i> , 2009, 161, 787-799.	12.4	45
34	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. <i>Journal of Hazardous Materials</i> , 2009, 168, 390-399.	12.4	41
35	Relationships between anaerobic consortia and removal efficiencies in an UASB reactor degrading 2,4 DCP. <i>Desalination</i> , 2009, 245, 1-18.	8.2	12
36	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. <i>Bioresource Technology</i> , 2009, 100, 2162-2170.	9.6	38

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37	Anaerobic treatment of antibiotics, toxicity removal and biogas production. , 2009, , .		0
38	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
39	Anaerobic/aerobic treatment of a simulated textile wastewater. Separation and Purification Technology, 2008, 60, 64-72.	7.9	131
40	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
41	SEQUENTIAL ANAEROBIC, AEROBIC/ANOXIC TREATMENT OF SIMULATED LANDFILL LEACHATE. Environmental Technology (United Kingdom), 2008, 29, 183-197.	2.2	11
42	EFFECTS OF SHOCK 2,4-DICHLOROPHENOL (DCP) AND COD LOADING RATES ON THE REMOVAL OF 2,4-DCP IN A SEQUENTIAL UPFLOW ANAEROBIC SLUDGE BLANKET/AEROBIC COMPLETELY STIRRED TANK REACTOR SYSTEM. Environmental Technology (United Kingdom), 2008, 29, 413-421.	2.2	2
43	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
44	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
45	Fate and toxicity of azo dye metabolites under batch long-term anaerobic incubations. Enzyme and Microbial Technology, 2007, 40, 934-939.	3.2	60
46	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
47	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
48	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
49	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
50	Biological treatment of acid dyeing wastewater using a sequential anaerobic/aerobic reactor system. Enzyme and Microbial Technology, 2006, 38, 887-892.	3.2	61
51	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
52	Toxicity studies in a chemical dye production industry in Turkey. Journal of Hazardous Materials, 2006, 138, 438-447.	12.4	76
53	Reactor performances and fate of aromatic amines through decolorization of Direct Black 38 dye under anaerobic/aerobic sequential. Process Biochemistry, 2005, 40, 35-44.	3.7	71
54	Substrate removal kinetics in an upflow anaerobic sludge blanket reactor decolorising simulated textile wastewater. Process Biochemistry, 2005, 40, 1189-1198.	3.7	153

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55	Co-digestion of industrial sludge with municipal solid wastes in anaerobic simulated landfilling reactors. <i>Process Biochemistry</i> , 2005, 40, 1871-1879.	3.7	41
56	p-Nitrophenol removal in a sequential anaerobic migrating blanket reactor (AMBR)/aerobic completely stirred tank reactor (CSTR) system. <i>Process Biochemistry</i> , 2005, 40, 1679-1691.	3.7	34
57	Treatment of 2,4-dichlorophenol (DCP) in a sequential anaerobic (upflow anaerobic sludge blanket) aerobic (completely stirred tank) reactor system. <i>Process Biochemistry</i> , 2005, 40, 3419-3428.	3.7	26
58	Performance of anaerobic baffled reactor (ABR) treating synthetic wastewater containing p-nitrophenol. <i>Enzyme and Microbial Technology</i> , 2005, 36, 888-895.	3.2	63
59	Effects of shredding of wastes on the treatment of municipal solid wastes (MSWs) in simulated anaerobic recycled reactors. <i>Enzyme and Microbial Technology</i> , 2005, 36, 25-33.	3.2	23
60	Effects of alkalinity and co-substrate on the performance of an upflow anaerobic sludge blanket (UASB) reactor through decolorization of Congo Red azo dye. <i>Bioresource Technology</i> , 2005, 96, 633-643.	9.6	85
61	Simultaneous phosphorus, nitrogen and dinitrotoluene removals in batch anaerobic/anoxic/aerobic sequential. <i>Process Biochemistry</i> , 2005, 40, 25-34.	3.7	9
62	Treatment of trichlorotoluene in an anaerobic/aerobic sequential reactor system. <i>Process Biochemistry</i> , 2005, 40, 69-82.	3.7	7
63	Anaerobic/aerobic treatment of municipal landfill leachate in sequential two-stage up-flow anaerobic sludge blanket reactor (UASB)/completely stirred tank reactor (CSTR) systems. <i>Process Biochemistry</i> , 2005, 40, 895-902.	3.7	107
64	A batch study for assessing the inhibition effect of Direct Yellow 12 in a mixed methanogenic culture. <i>Process Biochemistry</i> , 2005, 40, 1053-1062.	3.7	34
65	Toxicity and intermediates of C.I. Direct Red 28 dye through sequential anaerobic/aerobic treatment. <i>Process Biochemistry</i> , 2005, 40, 2735-2744.	3.7	72
66	Biotransformation of Carbon Tetrachloride and Anaerobic Granulation in a Upflow Anaerobic Sludge Blanket Reactor. <i>Journal of Environmental Engineering, ASCE</i> , 2005, 131, 425-433.	1.4	4
67	Effect of alkalinity on the performance of a simulated landfill bioreactor digesting organic solid wastes. <i>Chemosphere</i> , 2005, 59, 871-879.	8.2	79
68	Influence of Nitrate and COD on Phosphorus and Nitrogen Removals under Batch Methanogenic and Denitrifying Conditions. <i>Environmental Engineering Science</i> , 2005, 22, 145-155.	1.6	2
69	Simultaneous toxicity and nutrient removals in simulated DEPHANOX (anaerobic/anoxic/oxic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2004, 49, 237-244.	2.5	1
70	Decolorization of Azo Dyes Under Batch Anaerobic and Sequential Anaerobic/Aerobic Conditions. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2004, 39, 1107-1127.	1.7	34
71	Properties of Four Biological Flocs as Related to Settling. <i>Journal of Environmental Engineering, ASCE</i> , 2004, 130, 1289-1300.	1.4	11
72	Influence of nitrate and COD on phosphorus, nitrogen and dinitrotoluene (DNT) removals under batch anaerobic and anoxic conditions. <i>Anaerobe</i> , 2004, 10, 287-293.	2.1	6

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73	Monitoring of toxicity and intermediates of C.I. Direct Black 38 azo dye through decolorization in an anaerobic/aerobic sequential reactor system. <i>Journal of Hazardous Materials</i> , 2004, 114, 29-39.	12.4	87
74	Anaerobic/aerobic sequential treatment of a cotton textile mill wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 1268-1274.	3.2	38
75	Decolorization and inhibition kinetic of Direct Black 38 azo dye with granulated anaerobic sludge. <i>Enzyme and Microbial Technology</i> , 2004, 34, 147-158.	3.2	73
76	Impact of leachate recirculation and recirculation volume on stabilization of municipal solid wastes in simulated anaerobic bioreactors. <i>Process Biochemistry</i> , 2004, 39, 2157-2165.	3.7	154
77	Effect of Aeration on the Performance of a Simulated Landfilling Reactor Stabilizing Municipal Solid Wastes. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2004, 39, 2955-2972.	1.7	15
78	A batch kinetic study on decolorization and inhibition of Reactive Black 5 and Direct Brown 2 in an anaerobic mixed culture. <i>Chemosphere</i> , 2004, 55, 119-128.	8.2	60
79	Investigation of extracellular polymer substances (EPS) and physicochemical properties of different activated sludge flocs under steady-state conditions. <i>Enzyme and Microbial Technology</i> , 2003, 32, 375-385.	3.2	161
80	Effect of oxygen on decolorization of azo dyes by <i>Escherichia coli</i> and <i>Pseudomonas sp.</i> and fate of aromatic amines. <i>Process Biochemistry</i> , 2003, 38, 1183-1192.	3.7	90
81	Toxicity and treatability of carbontetrachloride and tetrachloroethylene in anaerobic batch cultures. <i>International Biodeterioration and Biodegradation</i> , 2003, 51, 119-127.	3.9	12
82	Application of toxicity tests into discharges of the pulp-paper industry in Turkey. <i>Ecotoxicology and Environmental Safety</i> , 2003, 54, 74-86.	6.0	79
83	Enhancement of granule formation and sludge retainment for tetrachloroethylene (TCE) removal in an upflow anaerobic sludge blanket (UASB) reactor. <i>Journal of Environmental Management</i> , 2003, 7, 453-462.	1.7	19
84	Aromatic Amine Degradation in a UASB/CSTR Sequential System Treating Congo Red Dye. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2003, 38, 2301-2315.	1.7	34
85	Treatability of 2,4 Dinitrotoluene in Anaerobic/Aerobic Sequential Processes. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2003, 38, 1529-1548.	1.7	2
86	TETRACHLOROETHYLENE (TCE) REMOVAL DURING ANAEROBIC GRANULATION IN AN UPFLOW ANAEROBIC SLUDGE BLANKET (UASB) REACTOR. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2002, 37, 213-236.	1.7	5
87	Environmental geochemistry and pollution studies of AliaÇŞa metal industry district. <i>Environment International</i> , 2002, 27, 541-553.	10.0	75
88	Ultimate azo dye degradation in anaerobic/aerobic sequential processes. <i>Water Science and Technology</i> , 2002, 45, 271-278.	2.5	9
89	Incorporation of Toxicity Tests to the Discharges of Pulp Paper Industry in Turkey. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2002, 69, 719-726.	2.7	4
90	Incorporation of Toxicity Tests into the Turkish Industrial Discharge Monitoring Systems. <i>Archives of Environmental Contamination and Toxicology</i> , 2002, 43, 186-197.	4.1	19

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91	Extracellular polymer substances and physicochemical properties of flocs in steady and unsteady-state activated sludge systems. <i>Process Biochemistry</i> , 2002, 37, 983-998.	3.7	157
92	Simultaneous granulation, biomass retainment and carbon tetrachloride (CT) removal in an upflow anaerobic sludge blanket (UASB) reactor. <i>Process Biochemistry</i> , 2002, 37, 1091-1101.	3.7	13
93	Decolorization and azo dye degradation by anaerobic/aerobic sequential process. <i>Enzyme and Microbial Technology</i> , 2002, 31, 102-110.	3.2	130
94	Necessity of toxicity assessment in Turkish industrial discharges (examples from metal and textile) <i>Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50</i>	2.7	48
95	Toxicity Studies in a Tobacco Industry Biological Treatment Plant. <i>Water, Air, and Soil Pollution</i> , 2002, 134, 137-164.	2.4	18
96	Toxicity Studies of Tobacco Wastewater. <i>Aquatic Ecosystem Health and Management</i> , 2001, 4, 479-492.	0.6	2
97	Anaerobic granule formation and tetrachloroethylene (TCE) removal in an upflow anaerobic sludge blanket (UASB) reactor. <i>Enzyme and Microbial Technology</i> , 2001, 29, 417-427.	3.2	37
98	Title is missing!. <i>Biotechnology Letters</i> , 2001, 23, 1209-1216.	2.2	8
99	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2001, 17, 839-847.	3.6	3
100	Hydrogen Sulfide and Odor Control in Ä°zmir Bay. <i>Water, Air, and Soil Pollution</i> , 2000, 123, 245-257.	2.4	16
101	The Increase of Biological Treatment Efficiency in Petroleum Refinery and Petrochemical Wastewaters by Acclimated Microorganisms. , 1997, , 181-186.		0
102	Biological Treatment of Petrochemical Wastewaters by <i>Pseudomonas Sp.</i> Added Activated Sludge Culture. <i>Environmental Technology (United Kingdom)</i> , 1996, 17, 673-685.	2.2	14
103	Treatment of Wastewaters from the Olive Mill Industry Wastewaters by Sonication Process at Different Conditions. <i>Asian Journal of Applied Chemistry Research</i> , 0, , 7-53.	0.0	1
104	Removal of ciprofloxacin antibiotic with nano graphene oxide magnetite composite: comparison of adsorption and photooxidation processes. , 0, 63, 293-307.		11
105	Removal of some types of polyphenols and aromatic amines in textile industry wastewaters by nanocerium-dioxide-doped titanium dioxide. , 0, 71, 116-135.		1
106	Removals of Gentamicin and Benzo[a]Pyrene in an Anaerobic Multichamber Bed Reactor. <i>The Global Environmental Engineers</i> , 0, 6, 16-33.	0.3	0