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Fluorescence excitation-emission matrix regional integration to quantify spectra for dissolved organic matter

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2240	Influence of natural organic matter source on acute copper, lead, and cadmium toxicity to rainbow trout (<i>Oncorhynchus mykiss</i>). 2004 , 23, 2889-99		93
2239	Influence of natural organic matter source on copper speciation as demonstrated by Cu binding to fish gills, by ion selective electrode, and by DGT gel sampler. <i>Environmental Science & Technology</i> , 2004 , 38, 2865-72	10.3	94
2238	Sorption of 17beta-estradiol and 17alpha-ethinylestradiol by colloidal organic carbon derived from biological wastewater treatment systems. <i>Environmental Science & Technology</i> , 2004 , 38, 3322-9	10.3	107
2237	Spectral fingerprinting and classification by location of origin of natural waters by multidimensional fluorescence. 2004 ,		1
2236	Characteristics and Reactivity of Algae-Produced Dissolved Organic Carbon. 2005 , 131, 1574-1582		180
2235	Thermal fluorescence quenching properties of dissolved organic matter. 2005 , 39, 4405-12		79
2234	Estuarial fingerprinting through multidimensional fluorescence and multivariate analysis. <i>Environmental Science & Technology</i> , 2005 , 39, 7560-7	10.3	93
2233	Impact of reclaimed water on select organic matter properties of a receiving stream-fluorescence and perylene sorption behavior. <i>Environmental Science & Technology</i> , 2005 , 39, 6453-60	10.3	31
2232	Size-based speciation of natural colloidal particles by flow field flow fractionation, inductively coupled plasma-mass spectroscopy, and transmission electron microscopy/X-ray energy dispersive spectroscopy: colloids-trace element interaction. <i>Environmental Science & Technology</i> , 2006 , 40, 2156-62	10.3	95

2231	Optimized parameters for fluorescence-based verification of ballast water exchange by ships. <i>Environmental Science & Technology</i> , 2006 , 40, 2357-62	10.3	157
2230	Investigation of organic matter dynamics during in-vessel composting of an aged coal-tar contaminated soil using fluorescence excitation-emission spectroscopy. 2006 , 64, 839-47		46
2229	Excitation-emission matrix fluorescence spectroscopy for natural organic matter characterization: a quantitative evaluation of calibration and spectral correction procedures. 2006 , 60, 791-9		27
2228	Multivariate curve resolution of synchronous fluorescence spectra matrices of fulvic acids obtained as a function of pH. 2006 , 60, 1315-21		22
2227	Characterization of extracellular polymeric substances of aerobic and anaerobic sludge using three-dimensional excitation and emission matrix fluorescence spectroscopy. 2006 , 40, 1233-9		523
2226	Characterisation of the fluorescence from freshwater, planktonic bacteria. 2006 , 40, 2075-83		86
2225	Occurrence and removal of dissolved organic nitrogen in US water treatment plants. 2006 , 98, 102-110		59
2224	Spectral and Chemical Characterization of Phosphates Associated with Humic Substances. 2006 , 70, 1741-1751		95
2223	Dissolved Organic Matter Characterization Using Multiway Spectral Decomposition of Fluorescence Landscapes. 2006 , 70, 2028-2037		188
2222	Thermal quenching of fluorescence of freshwater, planktonic bacteria. 2006 , 564, 219-225		25
2221	Spectroscopic characterization and molecular weight distribution of dissolved organic matter in sediment porewaters from Lake Erhai, Southwest China. 2006 , 81, 179-189		36
2220	Characterizing natural organic material from the Occoquan Watershed (Northern Virginia, US) using fluorescence spectroscopy and PARAFAC. 2006 , 361, 249-66		99
2219	Coagulation of Particles Through Rapid Mixing. 2006 , 24, 1271-1276		10
2218	Freeze/thaw and pH effects on freshwater dissolved organic matter fluorescence and absorbance properties from a number of UK locations. 2007 , 41, 2941-50		156
2217	Characterisation of colloidal and particulate organic carbon in freshwaters by thermal fluorescence quenching. 2007 , 41, 3069-76		31
2216	Characterization of dissolved organic matter in drinking water sources impacted by multiple tributaries. 2007 , 41, 4115-28		82
2215	Transition in fouling mechanism in microfiltration of a surface water. 2007 , 41, 3812-22		48
2214	Combination of coagulation and ion exchange for the reduction of UF fouling properties of a high DOC content surface water. 2007 , 41, 3803-11		105

2213	Effects of filtration and pH perturbation on freshwater organic matter fluorescence. 2007 , 67, 2035-43	76
2212	Dissolved organic matter fractions formed during composting of winery and distillery residues: evaluation of the process by fluorescence excitation-emission matrix. 2007 , 68, 301-9	133
2211	Quantity and spectroscopic properties of soil dissolved organic matter (DOM) as a function of soil sample treatments: air-drying and pre-incubation. 2007 , 69, 1040-6	33
2210	Effect of ammonia nitrogen and dissolved organic matter fractions on the genotoxicity of wastewater effluent during chlorine disinfection. <i>Environmental Science & Technology</i> , 2007 , 41, 160-5	10.3 112
2209	Electron pulse radiolysis determination of hydroxyl radical rate constants with Suwannee River fulvic acid and other dissolved organic matter isolates. <i>Environmental Science & Technology</i> , 2007 , 41, 4640-6	10.3 261
2208	Hydroclimatic controls on dissolved organic matter (DOM) characteristics and implications for trace metal transport in Hwangryong River Watershed, Korea, during a summer monsoon period. 2007 , 21, 3025-3034	27
2207	MCR of the quenching of the EEM of fluorescence of dissolved organic matter by metal ions. 2007 , 595, 9-18	31
2206	The influence of different temperature programmes on the bioremediation of polycyclic aromatic hydrocarbons (PAHs) in a coal-tar contaminated soil by in-vessel composting. 2007 , 144, 340-7	35
2205	Application of near infrared reflectance (NIR) and fluorescence spectroscopy to analysis of microbiological and chemical properties of arctic soil. 2007 , 39, 1664-1673	101
2204	Membrane biofouling by extracellular polymeric substances or soluble microbial products from membrane bioreactor sludge. 2007 , 74, 699-707	127
2203	Effects of aeration intensity on formation of phenol-fed aerobic granules and extracellular polymeric substances. 2007 , 77, 175-82	95
2202	Spectroscopic distribution of dissolved organic matter in a dam reservoir impacted by turbid storm runoff. 2007 , 133, 53-67	37
2201	Dissolved Organic Carbon in Alaskan Boreal Forest: Sources, Chemical Characteristics, and Biodegradability. 2007 , 10, 1323-1340	249
2200	Low-pressure membrane filtration of secondary effluent in water reuse: Pre-treatment for fouling reduction. 2008 , 320, 135-142	100
2199	Using Synchronous Fluorescence Technique as a Water Quality Monitoring Tool for an Urban River. 2008 , 191, 231-243	69
2198	Spectral characterization of chromophoric dissolved organic matter (CDOM) in a fjord (Doubtful Sound, New Zealand). 2008 , 70, 397-409	26
2197	Effect of bromide ion on isolated fractions of dissolved organic matter in secondary effluent during chlorination. 2008 , 157, 25-33	28
2196	Biodegradability of DOC and DON for UV/H ₂ O ₂ pre-treated melanoidin based wastewater. 2008 , 42, 47-54	30

2195	Fractionation of organic matters in sludge rejected by NF membrane. 2008 , 234, 386-392	11
2194	Aerobic granular sludge: recent advances. 2008 , 26, 411-23	618
2193	Characteristics of dissolved organic matter (DOM) in leachate with different landfill ages. 2008 , 20, 492-8	151
2192	Can fluorescence spectrometry be used as a surrogate for the Biochemical Oxygen Demand (BOD) test in water quality assessment? An example from South West England. 2008 , 391, 149-58	272
2191	Critical evaluation of methods for determining total protein in soil solution. 2008 , 40, 1485-1495	73
2190	Enzymatic transformation of humic substances by NDO. 2008 , 40, 2055-2062	4
2189	Effectiveness of MBR in pre-disinfection and AOX removal for hospital wastewater treatment. 2008 , 136, S659	1
2188	Identification and reduction of toxic products of chlorobenzene treatment by a combined UV-biofilter process. 2008 , 136, S659	
2187	Selection of anionic exchange resins for removal of natural organic matter (NOM) fractions. 2008 , 42, 413-23	102
2186	Correlations between organic matter properties and DBP formation during chloramination. 2008 , 42, 2329-39	112
2185	Characterizing the extracellular and intracellular fluorescent products of activated sludge in a sequencing batch reactor. 2008 , 42, 3173-81	101
2184	Measurement of dissolved organic nitrogen forms in wastewater effluents: concentrations, size distribution and NDMA formation potential. 2008 , 42, 3890-8	145
2183	Dissolved organic matter and estrogenic potential of landfill leachate. 2008 , 72, 1381-6	26
2182	Chemical identification and acute biotoxicity assessment of gaseous chlorobenzene photodegradation products. 2008 , 73, 1167-71	29
2181	Salt inhibition effects in biological treatment of monosodium l-glutamate fermentation wastewater. 2008 , 136, S658-S659	
2180	Partition of six phthalic acid esters in soluble and solid residual fractions of wastewater sludges. 2008 , 29, 343-50	4
2179	Role of dissolved humic substances surrogates on phthalate esters migration from sewage sludge. 2008 , 57, 607-12	5
2178	Capillary Electrophoresis and Fluorescence Excitation-Emission Matrix Spectroscopy for Characterization of Humic Substances. 2008 , 72, 1248-1255	17

2177	Characterization of Dissolved Organic Matter (DOM) in Lake Kasumigaura and Several DOM Sources Using Method of Three-Dimensional Excitation-Emission Matrix Fluorescence Spectra. 2008 , 31, 261-267	5
2176	Origin of Foulants in Membrane Bioreactors (MBRs) Treating Municipal Wastewater. 2008 , 31, 541-548	2
2175	A multi-method comparison of Atchafalaya Basin surface water organic matter samples. 2009 , 38, 702-11	23
2174	Occurrence and removal of amino acids during drinking water treatment. 2009 , 101, 101-115	99
2173	Fluorescence Excitation-Emission Matrix Regional Transformation and Chlorine Consumption to Predict Trihalomethane and Haloacetic Acid Formation. 2009 , 26, 1163-1170	29
2172	Distinguishing Stage 1 and 2 reverse osmosis permeates using fluorescence spectroscopy. 2009 , 60, 2017-23	10
2171	Spatio-temporal variations of fluorescence properties of dissolved organic matter along the River T ^{le} (Pyr ^{ne} s-Orientales, France). 2009 , 25, 435-452	5
2170	Acquiring reproducible fluorescence spectra of dissolved organic matter at very low concentrations. 2009 , 60, 1385-92	24
2169	PAEs and BPA removal in landfill leachate with Fenton process and its relationship with leachate DOM composition. 2009 , 407, 4928-33	73
2168	Characterization of dissolved organic matter fractions from Lake Hongfeng, Southwestern China Plateau. 2009 , 21, 581-8	84
2167	Fluorescence analysis of humic-like substances extracted from composts: influence of composting time and fractionation. 2009 , 7, 61-65	16
2166	Characterizing humic substances from estuarine soils and sediments by excitation-emission matrix spectroscopy and parallel factor analysis. 2009 , 96, 131-147	114
2165	Effects of water chemistry and concentrations of dissolved organic matter on its fluorescence characteristics and molecular conformation. 2009 , 28, 413-420	6
2164	Assessment of the ageing of triterpenoid paint varnishes using fluorescence, Raman and FTIR spectroscopy. 2009 , 395, 2139-49	31
2163	Dissolved organic matter in leachate from different treatment processes. 2009 , 23, 15-22	23
2162	Characterization of brewery wastewater with spectrofluorometry analysis. 2009 , 90, 1184-90	54
2161	Characterization of water-extractable organic matter during the biostabilization of municipal solid waste. 2009 , 164, 1191-7	117
2160	Characterization of isolated fractions of dissolved organic matter from sewage treatment plant and the related disinfection by-products formation potential. 2009 , 164, 1433-8	115

2159	Reduction of trihalomethane precursors of dissolved organic matter in the secondary effluent by advanced treatment processes. 2009 , 169, 1012-21		31
2158	Principal component regression model applied to dimensionally reduced spectral fluorescent signature for the determination of organic character and THM formation potential of source water. 2009 , 169, 998-1004		11
2157	Enhanced treatment of coke plant wastewater using an anaerobic-oxic membrane bioreactor system. 2009 , 66, 279-286		83
2156	Identification and characterisation of biofilm formed on membrane bio-reactor. 2009 , 67, 86-94		49
2155	Characterization of membrane foulants in an anaerobic non-woven fabric membrane bioreactor for municipal wastewater treatment. 2009 , 155, 709-715		121
2154	Chlorine reactivity and transformation of effluent dissolved organic fractions during chlorination. 2009 , 249, 63-71		22
2153	Behavior and characteristics of DOM during a laboratory-scale horizontal subsurface flow wetland treatment: Effect of DOM derived from leaves and roots. 2009 , 35, 1405-1414		26
2152	Utilisation of manure composts by high-value crops: safety and environmental challenges. 2009 , 100, 5454-60		107
2151	Fluorescent characteristics of estrogenic compounds in landfill leachate. 2009 , 30, 953-61		1
2150	Changes in NOM fluorescence caused by chlorination and their associations with disinfection by-products formation. <i>Environmental Science & Technology</i> , 2009 , 43, 724-9	10.3	60
2149	Microbial transformation of dissolved leaf litter organic matter and its effects on selected organic matter operational descriptors. <i>Environmental Science & Technology</i> , 2009 , 43, 2315-21	10.3	91
2148	Effect of chlorination on the estrogenic/antiestrogenic activities of biologically treated wastewater. <i>Environmental Science & Technology</i> , 2009 , 43, 4940-5	10.3	68
2147	Dissolved organic matter with multi-peak fluorophores in landfill leachate. 2009 , 74, 575-82		103
2146	Co-removal of phthalic acid esters with dissolved organic matter from landfill leachate by coagulation and flocculation process. 2009 , 75, 180-6		52
2145	Comparison of the heterogeneity within bulk sediment humic substances from a stream and reservoir via selected operational descriptors. 2009 , 75, 483-90		86
2144	Characterizing the release of different composition of dissolved organic matter in soil under acid rain leaching using three-dimensional excitation-emission matrix spectroscopy. 2009 , 77, 15-21		36
2143	Combined UV-vis absorbance and fluorescence properties of extracted humic substances-like for characterization of composting evolution of domestic solid wastes. 2009 , 151, 61-67		70
2142	Comparison of the structural, spectroscopic and phenanthrene binding characteristics of humic acids from soils and lake sediments. 2009 , 40, 1091-1099		96

2141	Behavior and characteristics of dissolved organic matter during column studies of soil aquifer treatment. 2009 , 43, 499-507	77
2140	Simultaneous colour and DON removal from sewage treatment plant effluent: alum coagulation of melanoidin. 2009 , 43, 553-61	44
2139	Changes in characteristics of soluble microbial products in membrane bioreactors associated with different solid retention times: Relation to membrane fouling. 2009 , 43, 1033-9	165
2138	Fluorescence as a potential monitoring tool for recycled water systems: a review. 2009 , 43, 863-81	674
2137	Characterization of extracellular polymeric substances produced by mixed microorganisms in activated sludge with gel-permeating chromatography, excitation-emission matrix fluorescence spectroscopy measurement and kinetic modeling. 2009 , 43, 1350-8	140
2136	Characterization of dissolved organic matter in a submerged membrane bioreactor by using three-dimensional excitation and emission matrix fluorescence spectroscopy. 2009 , 43, 1533-40	341
2135	Extracellular polymeric substances (EPS) properties and their effects on membrane fouling in a submerged membrane bioreactor. 2009 , 43, 2504-12	434
2134	Spatial and seasonal patterns of fluorescent organic matter in Lake Kinneret (Sea of Galilee) and its catchment basin. 2009 , 43, 3104-16	76
2133	Influence of residual organic macromolecules produced in biological wastewater treatment processes on removal of pharmaceuticals by NF/RO membranes. 2009 , 43, 3751-8	86
2132	Seasonal variation in membrane fouling in membrane bioreactors (MBRs) treating municipal wastewater. 2009 , 43, 5109-18	69
2131	Parallel Factor Analysis of Excitation-Emission Matrices to Assess Drinking Water Disinfection Byproduct Formation During a Peak Formation Period. 2009 , 26, 1551-1559	34
2130	Influence of Tillage, Cropping, and Nitrogen Source on the Chemical Characteristics of Humic Acid, Fulvic Acid, and Water-Soluble Soil Organic Matter Fractions of a Long-Term Cropping System Study. 2009 , 174, 652-660	45
2129	Bulk organic matter and nitrogen removal from reclaimed water during groundwater recharge by enhanced direct injection well. 2009 , 81, 69-75	7
2128	Temporal variation of foulant characteristics in membrane bioreactor. 2009 , 6, 69-73	2
2127	Influence of calcium precipitation on copper sorption induced by loosely bound extracellular polymeric substance (LB-EPS) from activated sludge. 2010 , 176, 173-181	4
2126	Characterization of dissolved organic matter (DOM) from glacial environments using total fluorescence spectroscopy and parallel factor analysis. 2010 , 51, 111-122	55
2125	Excitation-emission matrix characterization of dissolved organic matter sources in two eutrophic lakes (Southwestern China Plateau). 2010 , 44, 99-112	32
2124	Characterization of Dissolved Organic Matter at Different Stages of a Tropical Surface Water Treatment Using Fluorescence Spectroscopy (Agboville, Cte d'Ivoire). 2010 , 8, 17-28	1

2123	Electricity generation from glucose by a <i>Klebsiella</i> sp. in microbial fuel cells. 2010 , 87, 383-90	45
2122	PARAFAC modeling of fluorescence excitation-emission spectra for rapid assessment of compost maturity. 2010 , 101, 8244-51	92
2121	Dispersed ozone flotation of <i>Chlorella vulgaris</i> . 2010 , 101, 9092-6	79
2120	Complexation between Hg(II) and biofilm extracellular polymeric substances: an application of fluorescence spectroscopy. 2010 , 175, 359-65	126
2119	Role of dissolved organic matters (DOM) in membrane fouling of membrane bioreactors for municipal wastewater treatment. 2010 , 178, 377-84	77
2118	Characterization of dissolved organic matter during landfill leachate treatment by sequencing batch reactor, aeration corrosive cell-Fenton, and granular activated carbon in series. 2010 , 179, 1096-105	69
2117	Fluorescence characterization of the natural organic matter in deep ground waters from the Canadian Shield, Ontario, Canada. 2010 , 286, 699-705	6
2116	Effects of ultrasonic pretreatment on sludge dewaterability and extracellular polymeric substances distribution in mesophilic anaerobic digestion. 2010 , 22, 474-80	32
2115	Organic matter extracted from activated sludge with ammonium hydroxide and its characterization. 2010 , 22, 641-7	13
2114	Effects of chlorination on the properties of dissolved organic matter and its genotoxicity in secondary sewage effluent under two different ammonium concentrations. 2010 , 80, 941-6	46
2113	Comparison of treatment options for removal of recalcitrant dissolved organic matter from paper mill effluent. 2010 , 81, 86-91	73
2112	Evaluation of fly-ash additive for removal of dissolved organic matter during soil aquifer treatment of wastewater treatment plant Peffluent. 2010 , 85, n/a-n/a	
2111	Binding of dicamba to soluble and bound extracellular polymeric substances (EPS) from aerobic activated sludge: a fluorescence quenching study. 2010 , 345, 442-7	66
2110	Influence of humic acids of different origins on oxidation of phenol and chlorophenols by permanganate. 2010 , 182, 681-8	50
2109	Understanding fouling behaviour of ultrafiltration membrane processes and natural water using principal component analysis of fluorescence excitation-emission matrices. 2010 , 357, 62-72	62
2108	Effects of ozonation and biological activated carbon filtration on membrane fouling in ultrafiltration of an activated sludge effluent. 2010 , 363, 271-277	34
2107	Effect of solution chemistry on organic fouling of reverse osmosis membranes in seawater desalination. 2010 , 351, 205-213	61
2106	Membrane organic fouling and the effect of pre-ozonation in microfiltration of secondary effluent organic matter. 2010 , 352, 213-221	54

2105	Fluorescent dissolved organic matter variations in a submerged membrane bioreactor under different sludge retention times. 2010 , 355, 151-157	42
2104	Effective control of membrane fouling by filamentous bacteria in a submerged membrane bioreactor. 2010 , 158, 608-615	40
2103	Formation of dynamic membrane in an anaerobic membrane bioreactor for municipal wastewater treatment. 2010 , 165, 175-183	125
2102	Binding of phenanthrene to extracellular polymeric substances (EPS) from aerobic activated sludge: a fluorescence study. 2010 , 80, 103-6	67
2101	Monitoring the restart-up of an upflow anaerobic sludge blanket (UASB) reactor for the treatment of a soybean processing wastewater. 2010 , 101, 1722-6	48
2100	Enhanced storage stability of aerobic granules seeded with pellets. 2010 , 101, 8031-7	19
2099	Effect of different extraction methods on bound EPS from MBR sludges. Part I: Influence of extraction methods over three-dimensional EEM fluorescence spectroscopy fingerprint. 2010 , 261, 19-26	86
2098	A comparison of five extraction methods for extracellular polymeric substances (EPS) from biofilm by using threedimensional excitation-emission matrix (3DEEM) fluorescence spectroscopy. 2010 , 36,	48
2097	PCR inhibitor levels in concentrates of biosolid samples predicted by a new method based on excitation-emission matrix spectroscopy. 2010 , 76, 8102-9	46
2096	Clinical research device for ovarian cancer detection by optical spectroscopy in the ultraviolet C-visible. 2010 , 15, 057009	9
2095	. 2010 ,	1
2094	Studies on the integration of nanofiltration and soil treatment for municipal effluent reclamation as a groundwater supplement. 2010 , 82, 20-6	4
2093	Pre-Treatment of Natural Organic Matters Containing Raw Water using Coagulation. 2010 , 45, 911-919	5
2092	Kinetics and Mechanisms of Copper Sorption by Loosely Bound Extracellular Polymeric Substances (LB-EPS) from Activated Sludge under Simulating Bio-Calcification Conditions. 2010 ,	
2091	Identification of key water quality characteristics affecting the filterability of biologically treated effluent in low-pressure membrane filtration. 2010 , 62, 1914-21	2
2090	RO filtration of biologically treated textile and dyeing effluents using ozonation as a pre-treatment. 2010 , 62, 751-8	8
2089	Transformation of dissolved organic matter by oxidative polymerization with horseradish peroxidase. 2010 , 62, 340-6	6
2088	Precursors of dichloroacetamide, an emerging nitrogenous DBP formed during chlorination or chloramination. <i>Environmental Science & Technology</i> , 2010 , 44, 3908-12	10.3 174

2087	Variation in ultrafiltered and LMW organic matter fluorescence properties under simulated estuarine mixing transects: 1. Mixing alone. 2010 , 115,		2
2086	Using fluorescence spectroscopy to trace seasonal DOM dynamics, disturbance effects, and hydrologic transport in the Florida Everglades. 2010 , 115,		33
2085	Comparison of optional process configurations and operating conditions for ceramic membrane MF coupled with coagulation/flocculation pre-treatment for the removal of NOM in drinking water production. 2010 , 59, 81-91		21
2084	Discrimination of farm waste contamination by fluorescence spectroscopy coupled with multivariate analysis during a biodegradation study. 2010 , 58, 3093-100		27
2083	Reactivity of effluent organic matter (EfOM) with hydroxyl radical as a function of molecular weight. <i>Environmental Science & Technology</i> , 2010 , 44, 5714-20	10.3	101
2082	Binding of ¹³⁷ Pu and ⁹⁰ Sr to organic colloids in soil solutions: evidence from a field experiment. <i>Environmental Science & Technology</i> , 2010 , 44, 8509-14	10.3	15
2081	Reduced effect of bromide on the genotoxicity in secondary effluent of a municipal wastewater treatment plant during chlorination. <i>Environmental Science & Technology</i> , 2010 , 44, 4924-9	10.3	37
2080	Three-dimensional excitation emission matrix fluorescence spectroscopy and gel-permeating chromatography to characterize extracellular polymeric substances in aerobic granulation. 2010 , 61, 2931-42		25
2079	Prediction of cell culture media performance using fluorescence spectroscopy. 2010 , 82, 1311-7		58
2078	Changes in water extractable organic matter (WEOM) in a calcareous soil under field conditions with time and soil depth. 2010 , 155, 75-85		61
2077	Capillary electrophoresis profiles and fluorophore components of humic acids in Nebraska corn and Philippine rice soils. 2010 , 156, 143-151		17
2076	Characterization of dissolved organic matter in cave and spring waters using UV-Vis absorbance and fluorescence spectroscopy. 2010 , 41, 270-280		252
2075	An evaluation of a pilot-scale nonthermal plasma advanced oxidation process for trace organic compound degradation. 2010 , 44, 493-504		122
2074	Use of fluorescence fingerprints for the estimation of bloom formation and toxin production of <i>Microcystis aeruginosa</i> . 2010 , 44, 195-204		65
2073	Identifying fouling events in a membrane-based drinking water treatment process using principal component analysis of fluorescence excitation-emission matrices. 2010 , 44, 185-94		137
2072	Colloidal organic matter from wastewater treatment plant effluents: Characterization and role in metal distribution. 2010 , 44, 340-50		63
2071	Novel insights into sludge dewaterability by fluorescence excitation-emission matrix combined with parallel factor analysis. 2010 , 44, 797-806		150
2070	Extracellular biological organic matters in microbial fuel cell using sewage sludge as fuel. 2010 , 44, 2163-70		52

2069	Characterisation of initial fouling in aerobic submerged membrane bioreactors in relation to physico-chemical characteristics under different flux conditions. 2010 , 44, 2336-48	80
2068	Characterization and identification of antiestrogenic products of phenylalanine chlorination. 2010 , 44, 3625-34	24
2067	Characterization of soluble microbial products (SMP) under stressful conditions. 2010 , 44, 5499-509	186
2066	Characterization of algal organic matter and formation of DBPs from chlor(am)ination. 2010 , 44, 5897-906	268
2065	Oxidation of nitrogen-containing pollutants by novel ferrate(VI) technology: a review. 2010 , 45, 645-67	109
2064	Fouling Layer with Fractionated Extracellular Polymeric Substances of Activated Sludge. 2010 , 45, 993-1002	8
2063	Fouling potentials of polysaccharides in membrane bioreactors (MBRs) assessed by lectin affinity chromatography. 2010 , 61, 1787-92	5
2062	Removal of pharmaceutical and personal care products from reverse osmosis retentate using advanced oxidation processes. <i>Environmental Science & Technology</i> , 2011 , 45, 3665-71	10.3 119
2061	Notice of Retraction: A Comparison of a Blue-Green Algal Organic Matter and Humic Substances on the Formation of THMs during Chlorination. 2011 ,	
2060	Distribution and Transformation of Organic Matter During Liquid-State Vermiconversion of Activated Sludge Using Elemental Analysis and Spectroscopic Evaluation. 2011 , 28, 619-626	16
2059	Urban stormwater quality monitoring: From sampling to water quality analysis. 2011 ,	3
2058	Preozonation Effects on the Reduction of Reverse Osmosis Membrane Fouling in Water Reuse. 2011 , 33, 379-388	29
2057	Influence of bio-attapulgitite on dissolved organic matters (DOM) removal in dynamic membrane reactor. 2011 ,	
2056	Effects of forest fires on water extractable organic matter and humic substances from Mediterranean soils: UV-Vis and fluorescence spectroscopy approaches. 2011 , 160, 434-443	58
2055	Influence of 17 β -estradiol binding by dissolved organic matter isolated from wastewater effluent on estrogenic activity. 2011 , 74, 1280-7	28
2054	Coaxial fiber-optic chemical-sensing excitation-emission matrix fluorometer. 2011 , 36, 355-7	3
2053	Tracking natural organic matter (NOM) in a drinking water treatment plant using fluorescence excitation-emission matrices and PARAFAC. 2011 , 45, 797-809	347
2052	Extracellular biological organic matters in sewage sludge during mesophilic digestion at reduced hydraulic retention time. 2011 , 45, 1472-80	29

2051	Insight into the heavy metal binding potential of dissolved organic matter in MSW leachate using EEM quenching combined with PARAFAC analysis. 2011 , 45, 1711-9	228
2050	Pilot-scale evaluation of ozone and biological activated carbon for trace organic contaminant mitigation and disinfection. 2011 , 45, 2155-65	204
2049	Characterisation and removal of recalcitrants in reverse osmosis concentrates from water reclamation plants. 2011 , 45, 2415-27	83
2048	Occurrence and fate of bulk organic matter and pharmaceutically active compounds in managed aquifer recharge: a review. 2011 , 45, 3015-33	139
2047	Characterization of spectral responses of humic substances upon UV irradiation using two-dimensional correlation spectroscopy. 2011 , 45, 2965-74	92
2046	Characterisation of the impact of coagulation and anaerobic bio-treatment on the removal of chromophores from molasses wastewater. 2011 , 45, 3933-40	22
2045	Characterization of the size-fractionated biomacromolecules: tracking their role and fate in a membrane bioreactor. 2011 , 45, 4661-71	85
2044	Electrochemical oxidation of reverse osmosis concentrate on mixed metal oxide (MMO) titanium coated electrodes. 2011 , 45, 4951-9	123
2043	Characteristic transformation of humic acid during photoelectrocatalysis process and its subsequent disinfection byproduct formation potential. 2011 , 45, 6131-40	63
2042	Spectrometric characterization of effluent organic matter of a sequencing batch reactor operated at three sludge retention times. 2011 , 45, 6555-63	47
2041	Microbial and chemical markers: runoff transfer in animal manure-amended soils. 2011 , 40, 959-68	19
2040	Water-Extractable Soil Organic Carbon and Nitrogen Affected by Tillage and Manure Application. 2011 , 176, 307-312	47
2039	Progress Towards Simple and Direct Detection of Adenylosuccinate Lyase Deficiency in Human Urine. 2011 , 64, 1470-1473	2
2038	Solid-phase fluorescence spectroscopy to characterize organic wastes. 2011 , 31, 1916-23	38
2037	Fouling behaviours of two membranes in a submerged membrane bioreactor for municipal wastewater treatment. 2011 , 382, 60-69	43
2036	Formation of disinfection byproducts from chlor(am)ination of algal organic matter. 2011 , 197, 378-88	81
2035	Kinetics and equilibrium of adsorption of dissolved organic matter fractions from secondary effluent by fly ash. 2011 , 23, 1057-65	21
2034	Effect of ultrasonic pretreatment on anaerobic digestion and its sludge dewaterability. 2011 , 23, 1472-8	30

2033	Impact of ultrasonic pre-treatment on the microfiltration of a biologically treated municipal effluent. 2011 , 283, 75-79	15
2032	Identification of the change of soluble microbial products on membrane fouling in membrane bioreactor (MBR). 2011 , 278, 126-131	44
2031	Correlating membrane fouling with sludge characteristics in membrane bioreactors: an especial interest in EPS and sludge morphology analysis. 2011 , 102, 8820-7	60
2030	Characterizing membrane foulants in MBR with addition of polyferric chloride to enhance phosphorus removal. 2011 , 102, 9490-6	30
2029	Impacts of drinking water pretreatments on the formation of nitrogenous disinfection by-products. 2011 , 102, 11161-6	71
2028	Spectroscopic characterization of water extractable organic matter during composting of municipal solid waste. 2011 , 82, 541-8	189
2027	Different analysis techniques for fluorescence excitation-emission matrix spectroscopy to assess compost maturity. 2011 , 82, 1202-8	74
2026	Comparison of polyurethane foam and biodegradable polymer as carriers in moving bed biofilm reactor for treating wastewater with a low C/N ratio. 2011 , 83, 63-8	137
2025	Change of genotoxicity for raw and finished water: role of purification processes. 2011 , 83, 14-20	26
2024	Removal of dissolved organic matter in municipal effluent with ozonation, slow sand filtration and nanofiltration as high quality pre-treatment option for artificial groundwater recharge. 2011 , 83, 693-9	45
2023	Formation of nitrogenous disinfection by-products from pre-chloramination. 2011 , 85, 1187-91	38
2022	Inactivation and degradation of <i>Microcystis aeruginosa</i> by UV-C irradiation. 2011 , 85, 1192-8	36
2021	The Relationship between Free and Bound Hydrophobic Organic Pollutants and Dissolved Organic Matter in Drinking Water. 2011 , 61-77	
2020	Comparison of dissolved organic matter fractions in a secondary effluent and a natural water. 2011 , 180, 371-83	15
2019	The application of fluorescence spectroscopy to organic matter characterisation in drinking water treatment. 2011 , 10, 277-290	107
2018	Fluorescence Analysis of Natural Organic Matter Fractionated by Ultrafiltration: Contrasting Between Urban-Impacted Water, and Radio-Contaminated Water from a Near-Pristine Site. 2011 , 214, 471-490	9
2017	Microbial Changes in Selected Operational Descriptors of Dissolved Organic Matters From Various Sources in a Watershed. 2011 , 215, 465-476	32
2016	Tracing Organic Footprints from Industrial Effluent Discharge in Recalcitrant Riverine Chromophoric Dissolved Organic Matter. 2011 , 222, 255-269	29

2015	Fluorescence spectral characteristics of the supernatants from an anaerobic hydrogen-producing bioreactor. 2011 , 89, 217-24	25
2014	Characterization of extracellular polymeric substances from biofilm in the process of starting-up a partial nitrification process under salt stress. 2011 , 89, 1563-71	61
2013	Impact of low molecular weight organic acids and dissolved organic matter on sorption and mobility of isoproturon in two soils. 2011 , 190, 823-32	56
2012	Membrane fouling in an anaerobic dynamic membrane bioreactor (AnDMBR) for municipal wastewater treatment: Characteristics of membrane foulants and bulk sludge. 2011 , 46, 1538-1544	81
2011	Classification and calibration of organic matter fluorescence data with multiway analysis methods and artificial neural networks: an operational tool for improved drinking water treatment. 2011 , 22, 256-270	48
2010	A systematic study of soluble microbial products and their fouling impacts in membrane bioreactors. 2011 , 168, 1093-1102	60
2009	Decolourisation of secondary effluent by UV-mediated processes. 2011 , 171, 464-473	19
2008	Novel insights into destruction mechanisms in a hybrid membrane process for simultaneous sludge thickening and digestion by characterization of dissolved organic matter. 2011 , 171, 897-903	4
2007	Harvesting of <i>Scenedesmus obliquus</i> FSP-3 using dispersed ozone flotation. 2011 , 102, 82-7	75
2006	Physicochemical and spectroscopic characteristics of dissolved organic matter extracted from municipal solid waste (MSW) and their influence on the landfill biological stability. 2011 , 102, 2322-7	108
2005	Temporal variations of membrane foulants in the process of using flat-sheet membrane for simultaneous thickening and digestion of waste activated sludge. 2011 , 102, 6863-9	11
2004	Mechanistic studies of <i>Microcystis aeruginosa</i> inactivation and degradation by UV-C irradiation and chlorination with poly-synchronous analyses. 2011 , 272, 107-119	53
2003	Degradation and characteristic changes of organic matter in sewage sludge using microbial fuel cell with ultrasound pretreatment. 2011 , 102, 272-7	54
2002	Characterization of extracellular polymeric substances (EPS) from phenol degrading aerobic granules. 2011 , 42, 645-651	27
2001	Influence of supporting media in suspension on membrane fouling reduction in submerged membrane bioreactor (SMBR). 2011 , 374, 121-128	56
2000	Development of a species specific fouling index using principal component analysis of fluorescence excitation-emission matrices for the ultrafiltration of natural water and drinking water production. 2011 , 378, 257-264	14
1999	Compositional and functional features of humic acid-like fractions from vermicomposting of sewage sludge and cow dung. 2011 , 185, 740-8	95
1998	Fluorescence excitation-emission matrix spectroscopy with regional integration analysis for characterizing composition and transformation of dissolved organic matter in landfill leachates. 2011 , 190, 293-9	136

1997	Characterization of membrane foulants in a full-scale membrane bioreactor for supermarket wastewater treatment. 2011 , 46, 1001-1009	45
1996	Characterization and modeling of the soluble microbial products in membrane bioreactor. 2011 , 76, 316-324	45
1995	Fluorescence excitation-emission spectroscopy with regional integration analysis for assessment of compost maturity. 2011 , 31, 1729-36	36
1994	Purification of micro-polluted raw water by a pilot-scale bio-diatomite dynamic membrane reactor. 2011 ,	
1993	. 2011 ,	
1992	Effects of Potassium Permanganate Preoxidation Followed with Coagulation on the Fluorescence Spectrum of Algae. 2011 , 71-78, 2920-2924	1
1991	Qualitative Characterization and Differentiation of Digestates from Different Biowastes Using FTIR and Fluorescence Spectroscopies. 2011 , 02, 83-89	36
1990	Study on Removal Efficiency and Fluorescence Characteristics of Humus in Landfill Leachate Treated by Combined Process. 2011 , 233-235, 667-672	
1989	Distribution of chromophoric dissolved organic matter in Yellow Sea by Fluorescence Excitation-Emission matrix Regional Integration. 2011 ,	
1988	Transformation of dissolved organic matter in a novel groundwater recharge system with reclaimed water. 2011 , 83, 2140-7	2
1987	Estimating the biodegradability of treated sewage samples using synchronous fluorescence spectra. 2011 , 11, 7382-94	13
1986	Dust inputs and bacteria influence dissolved organic matter in clear alpine lakes. 2011 , 2, 405	119
1985	Size fractionation characterisation of removed organics in reverse osmosis concentrates by ferric chloride. 2011 , 63, 1795-800	5
1984	Physical, Chemical, and Biological Characterization of Membrane Fouling. 2012 , 457-503	2
1983	Impacts of Sampling Dissolved Organic Matter with Passive Capillary Wicks Versus Aqueous Soil Extraction. 2012 , 76, 2019-2030	14
1982	Optimizing Disinfection Pretreatment using Excitation-emission Matrix Fluorescence Spectroscopy. 2012 , 34, 109-114	1
1981	The Variations of Organic Fluorescent Property in the Effluents from Biotreatment Unit Followed by Constructed Wetland Process. 2012 , 599, 395-399	
1980	Characterization and transformation of dissolved organic matter in a full-scale wastewater treatment plant in Harbin, China. 2012 , 46, 295-303	7

1979	Lead Complexation of Soluble and Bound Extracellular Polymeric Substances from Activated Sludge: Characterized with Fluorescence Spectroscopy and Ftir Spectroscopy. 2012 , 26, 3371-3377	10
1978	The Spectrofluorometric Monitoring of Water Purification by Natural Alternatives. 2012 , 45, 447-451	4
1977	Dissolved Organic Nitrogen (DON) Transformations in Typical Orbal Oxidation Ditch. 2012 ,	
1976	Performance of a stainless steel membrane in membrane bioreactor process. 2012 , 41, 258-264	1
1975	Characteristics and simulation of soluble microbial products in membrane bioreactors coupled with moving carriers (MBR-MC). 2012 , 40, 45-55	2
1974	Comparison of different fluorescence spectrum analysis techniques to characterize humification levels of waste-derived dissolved organic matter. 2012 , 33, 2569-73	3
1973	Influence of pH on Organic and Inorganic Colloids in Stormwater. 2012 , 10, 267-276	
1972	Unusual Sydney dust storm and its mineralogical and organic characteristics. 2012 , 9, 537	26
1971	Development of surrogate correlation models to predict trace organic contaminant oxidation and microbial inactivation during ozonation. 2012 , 46, 6257-72	147
1970	Assessment of coagulated and non-coagulated ASB performance used to treat Pinus radiata sulfite pulp and paper mill effluent by resin fractionation and HPSEC techniques. 2012 , 213, 109-117	10
1969	Denitrification potential and its correlation to physico-chemical and biological characteristics of saline wetland soils in semi-arid regions. 2012 , 89, 1339-46	8
1968	Fluorescent quenching for biofilm extracellular polymeric substances (EPS) bound with Cu(II). 2012 , 43, 450-454	24
1967	Interaction of phenanthrene with dissolved organic matter and its fractions from leachate of different landfill ages. 2012 , 67, 1861-1867	7
1966	A predictive model for the formation potential of dichloroacetamide, a nitrogenous disinfection by-product formed during chlorination. 2012 , 9, 701-704	5
1965	The composition and mercury complexation characteristics of dissolved organic matter in landfill leachates with different ages. 2012 , 86, 227-32	33
1964	Role of microorganism growth phase in the accumulation and characteristics of biomacromolecules (BMM) in a membrane bioreactor. 2012 , 2, 453-460	13
1963	Spectroscopic techniques for quantitative characterization of Cu (II) and Hg (II) complexation by dissolved organic matter from lake sediment in arid and semi-arid region. 2012 , 85, 144-50	43
1962	Binding of organic ligands with Al(III) in dissolved organic matter from soil: implications for soil organic carbon storage. <i>Environmental Science & Technology</i> , 2012 , 46, 6102-9	10.3 130

1961	Fluorescence excitation-emission matrix combined with regional integration analysis to characterize the composition and transformation of humic and fulvic acids from landfill at different stabilization stages. 2012 , 32, 438-47	53
1960	Similarities in effluent organic matter characteristics from Connecticut wastewater treatment plants. 2012 , 46, 284-94	46
1959	Equilibrium and intra-particle diffusion of stabilized landfill leachate onto micro- and meso-porous activated carbon. 2012 , 46, 491-9	139
1958	Quantifying PPCP interaction with dissolved organic matter in aqueous solution: combined use of fluorescence quenching and tandem mass spectrometry. 2012 , 46, 943-54	67
1957	Characterization of intracellular & extracellular algae organic matters (AOM) of <i>Microcystis aeruginosa</i> and formation of AOM-associated disinfection byproducts and odor & taste compounds. 2012 , 46, 1233-40	305
1956	Characterization of dissolved extracellular organic matter (dEOM) and bound extracellular organic matter (bEOM) of <i>Microcystis aeruginosa</i> and their impacts on UF membrane fouling. 2012 , 46, 2881-90	238
1955	Impact of salinity and pH on the UVC/H ₂ O ₂ treatment of reverse osmosis concentrate produced from municipal wastewater reclamation. 2012 , 46, 3229-39	67
1954	Freshwater DOM quantity and quality from a two-component model of UV absorbance. 2012 , 46, 4532-42	60
1953	Fractional, biodegradable and spectral characteristics of extracted and fractionated sludge extracellular polymeric substances. 2012 , 46, 4387-96	31
1952	Mesophilic and thermophilic biofiltration of gaseous toluene in a long-term operation: performance evaluation, biomass accumulation, mass balance analysis and isolation identification. 2012 , 229-230, 94-9	36
1951	Characterization of soluble microbial products in 10 large-scale membrane bioreactors for municipal wastewater treatment in China. 2012 , 415-416, 336-345	91
1950	Understanding the fouling of UF/MF hollow fibres of biologically treated wastewaters using advanced EFOM characterization and statistical tools. 2012 , 118, 460-8	52
1949	Novel insights into enhanced dewaterability of waste activated sludge by Fe(II)-activated persulfate oxidation. 2012 , 119, 7-14	136
1948	Application of derivative synchronous fluorescence spectroscopy (DSFS) to indicate salinisation processes of saline soils in semi-arid region. 2012 , 18, 532-539	9
1947	Using fluorescence excitation-emission matrix spectroscopy to monitor the conversion of organic matter during anaerobic co-digestion of cattle dung and duck manure. 2012 , 123, 439-44	27
1946	Changes in characteristics of soluble microbial products and extracellular polymeric substances in membrane bioreactor coupled with worm reactor: relation to membrane fouling. 2012 , 122, 62-9	35
1945	Fractionation and characterization of dissolved extracellular and intracellular products derived from floccular sludge and aerobic granules. 2012 , 123, 55-61	26
1944	Synergetic pretreatment of waste activated sludge by Fe(II)-activated persulfate oxidation under mild temperature for enhanced dewaterability. 2012 , 124, 29-36	132

1943	Component analysis of extracellular polymeric substances (EPS) during aerobic sludge granulation using FTIR and 3D-EEM technologies. 2012 , 124, 455-9	232
1942	Evaluation of coagulation (FeCl ₃) and anion exchange (MIEX) for stabilized landfill leachate treatment and high-pressure membrane pretreatment. 2012 , 96, 98-106	29
1941	Effects of ozone and ozone/peroxide pretreatments on disinfection byproduct formation during subsequent chlorination and chloramination. 2012 , 239-240, 348-54	43
1940	Biosorption of Cu(II) to extracellular polymeric substances (EPS) from <i>Synechocystis</i> sp.: a fluorescence quenching study. 2012 , 6, 493-497	15
1939	Fluorescence spectroscopic studies of the effect of granular activated carbon adsorption on structural properties of dissolved organic matter fractions. 2012 , 6, 784-796	13
1938	Multidimensional fluorescence studies of the phenolic content of dissolved organic carbon in humic substances. 2012 , 14, 937-43	12
1937	Prediction of BOD, COD, and total nitrogen concentrations in a typical urban river using a fluorescence excitation-emission matrix with PARAFAC and UV absorption indices. 2012 , 12, 972-86	114
1936	Microbial transformation of biomacromolecules in a membrane bioreactor: implications for membrane fouling investigation. 2012 , 7, e42270	19
1935	Effect of composting on dissolved organic matter in animal manure and its binding with Cu. 2012 , 2012, 289896	5
1934	Fluorescence-based fouling prediction and optimization of a membrane filtration process for drinking water treatment. 2012 , 58, 1475-1486	11
1933	Dissolved organic matters transformation and sludge characteristics in zeolite-enhanced contact-adsorption regeneration-stabilization process. 2012 , 7, 396-405	1
1932	Chemical identification and genotoxicity analysis of petrochemical industrial wastewater. 2012 , 6, 350-359	5
1931	Punctual and continuous estimation of transit time from dissolved organic matter fluorescence properties in karst aquifers, application to groundwaters of Fontaine de Vaucluse experimental basin (SE France). 2012 , 65, 2299-2309	7
1930	Functional diversity changes of microbial communities along a soil aquifer for reclaimed water recharge. 2012 , 80, 9-18	13
1929	Effects of biopolymer discharge from MBR mixture on sludge characteristics and membrane fouling. 2012 , 193-194, 77-87	25
1928	Diagnosis of dissolved organic matter removal by GAC treatment in biologically treated papermill effluents using advanced organic characterisation techniques. 2012 , 86, 829-36	18
1927	Ozone-biological activated carbon integrated treatment for removal of precursors of halogenated nitrogenous disinfection by-products. 2012 , 86, 1087-91	112
1926	Transformation characteristics of refractory pollutants in plugboard wastewater by an optimal electrocoagulation and electro-Fenton process. 2012 , 87, 631-6	32

1925	Pilot-scale hybrid bio-diatomite/dynamic membrane reactor for slightly polluted raw water purification. 2012 , 285, 73-82	30
1924	Characteristics of algogenic organic matter generated under different nutrient conditions and subsequent impact on microfiltration membrane fouling. 2012 , 293, 104-111	48
1923	Exploratory analysis of excitation-emission matrix fluorescence spectra with self-organizing maps: A tutorial. 2012 , 7, e22-e31	30
1922	Fluorescent characteristics and metal binding properties of individual molecular weight fractions in municipal solid waste leachate. 2012 , 162, 63-71	81
1921	Qualitative characterization of the protein fraction of exopolymeric substances (EPS) extracted with EDTA from sludge. 2012 , 104, 486-96	40
1920	Assessment of the maturity and biological parameters of compost produced from dairy manure and rice chaff by excitation-emission matrix fluorescence spectroscopy. 2012 , 110, 330-7	51
1919	Enhanced aerobic nitrifying granulation by static magnetic field. 2012 , 110, 105-10	60
1918	Fluorescence-based rapid assessment of the biological stability of landfilled municipal solid waste. 2012 , 110, 174-83	44
1917	Effects of extraction methods on the composition and molar mass distributions of exopolymeric substances of the bacterium <i>Sinorhizobium meliloti</i> . 2012 , 114, 603-9	21
1916	PCR inhibitors - occurrence, properties and removal. 2012 , 113, 1014-26	983
1915	Modulation of optical properties of dissolved humic substances by their molecular complexity. 2012 , 88, 792-800	18
1914	Reducing the effects of environmental inhibition in quantitative real-time PCR detection of adenovirus and norovirus in recreational seawaters. 2012 , 181, 43-50	31
1913	Dissolved organic nitrogen (DON) profile during backwashing cycle of drinking water biofiltration. 2012 , 414, 508-14	36
1912	Climatic warming and overgrazing induced the high concentration of organic matter in Lake Hulun, a large shallow eutrophic steppe lake in northern China. 2012 , 431, 332-8	35
1911	Fouling propensity of soluble microbial products released by <i>Microbacterium trichotecenolyticum</i> B4-1 under various substrate levels. 2012 , 84, 16-21	6
1910	Characteristics of foulants in air-sparged side-stream tubular membranes used in a municipal wastewater membrane bioreactor. 2012 , 93, 83-91	13
1909	Investigation of organic foulants behavior on hollow-fiber UF membranes in a drinking water treatment plant. 2012 , 95, 109-117	72
1908	Characterization of dissolved organic matter extracted from fermentation effluent of swine manure slurry using spectroscopic techniques and parallel factor analysis (PARAFAC). 2012 , 102, 115-122	79

1907	Changes in the chemical characteristics of water-extracted organic matter from vermicomposting of sewage sludge and cow dung. 2012 , 205-206, 24-31	50
1906	Complexion between mercury and humic substances from different landfill stabilization processes and its implication for the environment. 2012 , 209-210, 59-66	34
1905	Effect of water composition on TiO ₂ photocatalytic removal of endocrine disrupting compounds (EDCs) and estrogenic activity from secondary effluent. 2012 , 215-216, 252-8	69
1904	Effects of natural water chemistry on nanosilver behavior and toxicity to <i>Ceriodaphnia dubia</i> and <i>Pseudokirchneriella subcapitata</i> . 2012 , 31, 168-75	34
1903	Removal of genotoxicity in chlorinated secondary effluent of a domestic wastewater treatment plant during dechlorination. 2012 , 19, 1-7	18
1902	Effect of Mn ²⁺ augmentation on reinforcing aerobic sludge granulation in a sequencing batch reactor. 2012 , 93, 2615-23	16
1901	A new micelle-based method to quantify the Tween 80 surfactant for soil remediation. 2013 , 33, 839-846	18
1900	Study of the adsorption of Cr(VI) by tannic acid immobilised powdered activated carbon from micro-polluted water in the presence of dissolved humic acid. 2013 , 141, 145-51	38
1899	Effects of organic fractions on the formation and control of N-nitrosamine precursors during conventional drinking water treatment processes. 2013 , 449, 295-301	31
1898	Potential Foulants and Fouling Indicators in MBRs: A Critical Review. 2013 , 48, 22-50	47
1897	Structural characterization of natural organic matter and its impact on methomyl removal efficiency in Fenton process. 2013 , 93, 178-83	18
1896	Monitoring reverse osmosis performance: Conductivity versus fluorescence excitation-emission matrix (EEM). 2013 , 428, 205-211	23
1895	Removal of organic contaminants from river and reservoir waters by three different aluminum-based metal salts: Coagulation adsorption and kinetics studies. 2013 , 225, 394-405	66
1894	Impact of deforestation on solid and dissolved organic matter characteristics of tropical peat forests: implications for carbon release. 2013 , 114, 183-199	45
1893	Urban stormwater harvesting and reuse: a probe into the chemical, toxicology and microbiological contaminants in water quality. 2013 , 185, 6645-52	33
1892	Quantitative and qualitative characteristics of dissolved organic matter from eight dominant aquatic macrophytes in Lake Dianchi, China. 2013 , 20, 7413-23	38
1891	Characterization of dissolved organic matter in a dynamic membrane bioreactor for wastewater treatment. 2013 , 58, 1717-1724	9
1890	Adsorption-photodegradation of humic acid in water by using ZnO coupled TiO ₂ /bamboo charcoal under visible light irradiation. 2013 , 262, 16-24	74

1889	Fractionation of nitrogen-enriched dissolved organic matter in water. 2013 , 117, 89-97	4
1888	Effective degradation of refractory organic pollutants in landfill leachate by electro-peroxone treatment. 2013 , 102, 174-182	95
1887	Inhibitory effects of soluble algae products (SAP) released by <i>Scenedesmus</i> sp. LX1 on its growth and lipid production. 2013 , 146, 643-648	38
1886	Study of iron and aluminum binding to Suwannee River fulvic acid using absorbance and fluorescence spectroscopy: comparison of data interpretation based on NICA-Donnan and Stockholm humic models. 2013 , 47, 5439-46	42
1885	Effect of earthworms on the biochemical characterization of biofilms in vermifiltration treatment of excess sludge. 2013 , 143, 10-7	16
1884	Comparison of sludge digestion under aerobic and anaerobic conditions with a focus on the degradation of proteins at mesophilic temperature. 2013 , 140, 131-7	62
1883	Inhibitory effects of a shock load of Fe(II)-mediated persulfate oxidation on waste activated sludge anaerobic digestion. 2013 , 233, 274-281	33
1882	Investigation on characteristics of leachate and concentrated leachate in three landfill leachate treatment plants. 2013 , 33, 2277-86	172
1881	Formation, characterization and mathematical modeling of the aerobic granular sludge. 2013 ,	2
1880	Removal and transformation characterization of refractory components from biologically treated landfill leachate by Fe ²⁺ /NaClO and Fenton oxidation. 2013 , 116, 107-113	26
1879	Root exudate enhanced contaminant desorption: an abiotic contribution to the rhizosphere effect. <i>Environmental Science & Technology</i> , 2013 , 47, 11545-53	10.3 93
1878	Pretreatment of dry-spun acrylic fiber manufacturing wastewater by Fenton process: Optimization, kinetics and mechanisms. 2013 , 218, 319-326	44
1877	A comparison of treatment techniques to enhance fermentative hydrogen production from piggery anaerobic digested residues. 2013 , 38, 8691-8698	48
1876	Evaluation of Process Control Alternatives for the Inactivation of <i>Escherichia coli</i> , MS2 Bacteriophage, and <i>Bacillus subtilis</i> Spores during Wastewater Ozonation. 2013 , 35, 501-513	26
1875	Potential of BAC combined with UVC/H ₂ O ₂ for reducing organic matter from highly saline reverse osmosis concentrate produced from municipal wastewater reclamation. 2013 , 93, 683-8	49
1874	Energy recovery during advanced wastewater treatment: simultaneous estrogenic activity removal and hydrogen production through solar photocatalysis. 2013 , 47, 1480-90	28
1873	Chemical and spectroscopic characterization of water extractable organic matter during vermicomposting of cattle dung. 2013 , 132, 320-6	83
1872	Fluorescence characteristics of dissolved organic matter during composting at low carbon/nitrogen ratios. 2013 , 31, 203-11	3

1871	Dissolved Organic Matter in Steam Assisted Gravity Drainage Boiler Blow-Down Water. 2013 , 27, 3883-3890	18
1870	Photochemical formation of hydroxyl radical from effluent organic matter: role of composition. <i>Environmental Science & Technology</i> , 2013 , 47, 12073-80	103 95
1869	Performance of submerged anaerobic membrane bioreactor at different SRTs for domestic wastewater treatment. 2013 , 164, 82-90	50
1868	Characterization of potential liquid organic fertilizers obtained by alkaline extraction from two-phase olive-mill waste composts. 2013 , 32, 1170-1178	5
1867	Study of the pH influence on the optical properties of dissolved organic matter using fluorescence excitation-emission matrix and parallel factor analysis. 2013 , 142, 103-109	48
1866	The effect soluble microbial products (SMP) on the quality and fouling potential of MBR effluent. 2013 , 326, 96-102	21
1865	Advanced treatment of effluent from municipal WWTP with different metal salt coagulants: Contaminants treatability and floc properties. 2013 , 120, 123-128	19
1864	Fluorescence spectroscopic characterization of dissolved organic matter fractions in soils in soil aquifer treatment. 2013 , 185, 4591-603	15
1863	Membrane fouling in seawater desalination processes caused by harmful dinoflagellate <i>Cochlodinium polykrikoides</i> . 2013 , 51, 950-957	1
1862	Correlation between Fluorescent and UV Absorbance in Dissolved Organic Matter of the Effluent from the Pulp Mill. 2013 , 726-731, 1463-1467	
1861	Multistep, microvolume resin fractionation combined with 3D fluorescence spectroscopy for improved DOM characterization and water quality monitoring. 2013 , 185, 3233-41	5
1860	Principal component analysis to assess the composition and fate of impurities in a large river-embedded reservoir: Qingcaosha Reservoir. 2013 , 15, 1613-21	10
1859	Magnetic Ion Exchange (MIEX) Treatment of Surface Water, Groundwater, and Landfill Leachate Wastewater: Effect on Organic Matter Fluorescence. 2013 , 48, 2277-2286	8
1858	Effect of quorum quenching on the reactor performance, biofouling and biomass characteristics in membrane bioreactors. 2013 , 47, 187-96	118
1857	Thermodynamic analysis on the binding of heavy metals onto extracellular polymeric substances (EPS) of activated sludge. 2013 , 47, 607-14	230
1856	Novel biospectroscopy sensor technologies towards environmental health monitoring in urban environments. 2013 , 183, 46-53	11
1855	Formation of soluble microbial products (SMP) by activated sludge at various salinities. 2013 , 24, 69-78	44
1854	Effect of salinity on extracellular polymeric substances of activated sludge from an anoxic-aerobic sequencing batch reactor. 2013 , 93, 2789-95	119

1853	Disinfection by-products formation and precursors transformation during chlorination and chloramination of highly-polluted source water: significance of ammonia. 2013 , 47, 5901-10	57
1852	Aromatic Moieties from Matured Chicken Manure and Agriculture Residues Compost Suppress Growth of <i>Lepidium sativum</i> L. and <i>Trichoderma harzianum</i> . 2013 , 23, 826-834	2
1851	Effect of Temperature, pH and Salt on Fluorescent Quality of Water Extractable Organic Matter in Black Soil. 2013 , 12, 1251-1257	9
1850	Impact of membrane bioreactor operating conditions on fouling behavior of reverse osmosis membranes in MBRBO processes. 2013 , 311, 37-45	35
1849	Characterization of soluble and bound EPS obtained from 2 submerged membrane bioreactors by 3D-EEM and HPSEC. 2013 , 115, 706-12	39
1848	Degradation of Extracellular Polymeric Substances (EPS) in Anaerobic Digestion of Dewatered Sludge. 2013 , 18, 515-521	23
1847	Effect of magnetic nanoparticles on the performance of activated sludge treatment system. 2013 , 143, 555-61	64
1846	Coexistence of adsorption and coagulation processes of both arsenate and NOM from contaminated groundwater by nanocrystallined Mg/Al layered double hydroxides. 2013 , 47, 4159-68	130
1845	Characterization of controlled low-strength material obtained from dewatered sludge and refuse incineration bottom ash: mechanical and microstructural perspectives. 2013 , 129, 183-9	29
1844	Organic matter humification in vermifiltration process for domestic sewage sludge treatment by excitation-emission matrix fluorescence and Fourier transform infrared spectroscopy. 2013 , 261, 491-9	34
1843	Properties of biofilm in a vermifiltration system for domestic wastewater sludge stabilization. 2013 , 223, 932-943	28
1842	Understanding the fouling of a ceramic microfiltration membrane caused by algal organic matter released from <i>Microcystis aeruginosa</i> . 2013 , 447, 362-368	70
1841	Characterization of dissolved organic matter as N-nitrosamine precursors based on hydrophobicity, molecular weight and fluorescence. 2013 , 25, 85-95	17
1840	Determination of specific types and relative levels of QPCR inhibitors in environmental water samples using excitation-emission matrix spectroscopy and PARAFAC. 2013 , 47, 3467-76	27
1839	Depolymerization and solubilization of chemically pretreated powder river basin subbituminous coal by manganese peroxidase (MnP) from <i>Bjerkandera adusta</i> . 2013 , 112, 295-301	26
1838	Heterogeneity in metal binding by individual fluorescent components in a eutrophic algae-rich lake. 2013 , 98, 266-72	41
1837	The effect of aerobic conditions on the complexation ability between mercury and humic acid from landfill leachate and its implication for the environment. 2013 , 92, 458-63	11
1836	Electrochemical and spectroscopic characteristics of dissolved organic matter in a forest soil profile. 2013 , 25, 2093-101	11

1835	Effects of ozone and peroxone on algal separation via dispersed air flotation. 2013 , 105, 246-50	31
1834	Enhanced binding of hydrophobic organic contaminants by microwave-assisted humification of soil organic matter. 2013 , 93, 2704-10	10
1833	The electrochemical oxidation of biologically treated citric acid wastewater in a continuous-flow three-dimensional electrode reactor (CTDER). 2013 , 232, 495-502	35
1832	Spectral study of dissolved organic matter in biosolid during the composting process using inorganic bulking agent: UV-Vis, GPC, FTIR and EEM. 2013 , 85, 617-623	97
1831	The characteristics of extracellular polymeric substances and soluble microbial products in moving bed biofilm reactor-membrane bioreactor. 2013 , 148, 436-42	57
1830	Changes of excitation/emission matrixes of wastewater caused by Fenton- and Fenton-like treatment and their associations with the generation of hydroxyl radicals, oxidation of effluent organic matter and degradation of trace-level organic pollutants. 2013 , 244-245, 698-708	22
1829	Simultaneous removal of chemical oxygen demand, turbidity and hardness from biologically treated citric acid wastewater by electrochemical oxidation for reuse. 2013 , 107, 281-288	34
1828	Novel insights into enzymatic-enhanced anaerobic digestion of waste activated sludge by three-dimensional excitation and emission matrix fluorescence spectroscopy. 2013 , 91, 579-85	86
1827	HPLC/HPSEC-FLD with multi-excitation/emission scan for EEM interpretation and dissolved organic matter analysis. 2013 , 47, 1246-56	89
1826	Characteristics of an AZOMBR system for reclaimed water production under constant flux at low TMP. 2013 , 431, 156-162	40
1825	Continuous photo-fermentative hydrogen production from lactate and lactate-rich acidified food waste. 2013 , 38, 6161-6166	9
1824	Towards direct potable reuse with forward osmosis: Technical assessment of long-term process performance at the pilot scale. 2013 , 445, 34-46	113
1823	Assessing removal efficiency of dissolved organic matter in wastewater treatment using fluorescence excitation emission matrices with parallel factor analysis and second derivative synchronous fluorescence. 2013 , 144, 595-601	86
1822	Bio-enhanced powder-activated carbon dynamic membrane reactor for municipal wastewater treatment. 2013 , 433, 126-134	33
1821	Characteristics of natural organic matters in raw and treated drinking water: Comparison study. 2013 , 44, 103-110	9
1820	Contribution of extracellular polymeric substances (EPS) and their subfractions to the sludge aggregation in membrane bioreactor coupled with worm reactor. 2013 , 144, 328-36	23
1819	Assessing the role of feed water constituents in irreversible membrane fouling of pilot-scale ultrafiltration drinking water treatment systems. 2013 , 47, 3364-74	84
1818	UV-induced photochemical heterogeneity of dissolved and attached organic matter associated with cyanobacterial blooms in a eutrophic freshwater lake. 2013 , 47, 6506-15	71

1817	Fluorescence detection to determine proteins and humic-like substances fingerprints of exopolymeric substances (EPS) from biological sludges performed by size exclusion chromatography (SEC). 2013 , 131, 159-65	52
1816	Application of excitation-emission fluorescence matrices and UV/Vis absorption to monitoring the photocatalytic degradation of commercial humic acid. 2013 , 442, 207-14	91
1815	Environmental Applications of Excitation-Emission Spectrofluorimetry: An In-Depth Review I. 2013 , 48, 1-49	54
1814	Insights into extracellular polymeric substances of cyanobacterium <i>Microcystis aeruginosa</i> using fractionation procedure and parallel factor analysis. 2013 , 47, 2005-14	181
1813	Assessment of dissolved organic matter fluorescence PARAFAC components before and after coagulation-filtration in a full scale water treatment plant. 2013 , 47, 1679-90	119
1812	Complexation of trace organic contaminants with fractionated dissolved organic matter: implications for mass spectrometric quantification. 2013 , 91, 344-50	25
1811	Molecular weight distribution of phosphorus fraction of aquatic dissolved organic matter. 2013 , 91, 921-7	26
1810	Optical property of iron binding to Suwannee River fulvic acid. 2013 , 91, 1042-8	7
1809	Occurrence and fate of PPCPs and correlations with water quality parameters in urban riverine waters of the Pearl River Delta, South China. 2013 , 20, 5864-75	67
1808	Complexation of HSA with different forms of antimony (Sb): An application of fluorescence spectroscopy. 2013 , 136, 80-85	9
1807	Impact of effluent organic matter on low-pressure membrane fouling in tertiary treatment. 2013 , 47, 2633-42	50
1806	Dissolved organic matter and nutrient dynamics of a coastal freshwater forested wetland in Winyah Bay, South Carolina. 2013 , 112, 571-587	42
1805	Photocatalysis of Natural Organic Matter in Water: Characterization and Treatment Integration. 2013 , 271-294	1
1804	The luminescent humic substances in speleothems. 2013 , 36, 132-139	5
1803	Fluorescent Dissolved Organic Matter in Natural Waters. 2013 , 429-559	16
1802	Denitrification performance and biofilm characteristics using biodegradable polymers PCL as carriers and carbon source. 2013 , 91, 1310-6	118
1801	Formation of disinfection byproducts upon chlorine dioxide preoxidation followed by chlorination or chloramination of natural organic matter. 2013 , 91, 1477-85	91
1800	Study on the removal of biodegradable NOM from seawater using biofiltration. 2013 , 316, 8-16	16

1799	Fluorescence excitation-emission matrix spectra coupled with parallel factor and regional integration analysis to characterize organic matter humification. 2013 , 93, 2208-15	117
1798	Performance of a combined system of microbial fuel cell and membrane bioreactor: wastewater treatment, sludge reduction, energy recovery and membrane fouling. 2013 , 49, 92-8	86
1797	Influences of solid retention time, nitrification and microbial activity on the attenuation of pharmaceuticals and estrogens in membrane bioreactors. 2013 , 47, 3151-62	104
1796	Characterisation of foulants in membrane filtration of biorefinery effluents. 2013 , 51, 1563-1570	9
1795	Interaction of erythromycin ethylsuccinate and acetaminophen with protein fraction of extracellular polymeric substances (EPS) from various bacterial aggregates. 2013 , 20, 7275-85	24
1794	Long-term performance of enhanced biological phosphorus removal with increasing concentrations of silver nanoparticles and ions. 2013 , 3, 9835	28
1793	Correlation between effluent organic matter characteristics and membrane fouling in a membrane bioreactor using advanced organic matter characterization tools. 2013 , 309, 74-83	15
1792	Quantifying dissolved organic carbon concentrations in upland catchments using phenolic proxy measurements. 2013 , 477, 251-260	14
1791	Fouling control mechanism by suspended biofilm carriers addition in submerged ceramic membrane bioreactors. 2013 , 427, 250-258	80
1790	Influence of the characteristics of soluble algal organic matter released from <i>Microcystis aeruginosa</i> on the fouling of a ceramic microfiltration membrane. 2013 , 425-426, 23-29	71
1789	Structural transformation study of water-extractable organic matter during the industrial composting of cattle manure. 2013 , 106, 160-166	56
1788	Chlorination and chloramination of high-bromide natural water: DBPs species transformation. 2013 , 102, 86-93	42
1787	Pre-treatments for removing colour from secondary effluent: Effectiveness and influence on membrane fouling in subsequent microfiltration. 2013 , 103, 313-320	18
1786	Comment on "identifying well contamination through the use of 3-D fluorescence spectroscopy to classify coalbed methane produced water". <i>Environmental Science & Technology</i> , 2013 , 47, 1770-1	10.3 3
1785	Environmental Applications of Excitation-Emission Spectrofluorimetry: An In-Depth Review II. 2013 , 48, 77-141	53
1784	Reduction of disinfection byproduct formation by an oxidative coupling reaction with birnessite. 2013 , 17, 1241-1250	2
1783	Flux-Dependent Fouling Phenomena in Membrane Bioreactors under Different Food to Microorganisms (F/M) Ratios. 2013 , 48, 840-848	8
1782	Changes in quantity and spectroscopic properties of water-extractable organic matter during soil aquifer treatment. 2013 , 34, 737-46	3

1781	Pb(II) binding to humic substances: an equilibrium and spectroscopic study. <i>Environmental Science & Technology</i> , 2013 , 47, 8325-33	10.3	10
1780	Comparison of permanganate preoxidation and preozonation on algae containing water: cell integrity, characteristics, and chlorinated disinfection byproduct formation. <i>Environmental Science & Technology</i> , 2013 , 47, 14051-61	10.3	170
1779	Rapid Determination of Nine Haloacetic Acids in Wastewater Effluents Using Ultra-Performance Liquid Chromatography-Tandem Mass Spectrometry. 2013 , 46, 569-588		8
1778	Specific Fluorescent Fingerprint of Organic Matter in Advanced Water Treatment and its Molecular Weight. 2013 , 448-453, 317-321		1
1777	Influence of Long-Term Fertilizer Treatments on the Fluorescence Spectroscopic Characterization of DOM Leached by Acid Rain From Red Soil. 2013 , 178, 639-645		3
1776	Hybrid Treatment Process of using MIEX and High Performance Composite Coagulant for DOM and Bromide Removal. 2013 , 139, 79-85		9
1775	Dissolved organic matter photolysis in Canadian arctic thaw ponds. 2013 , 8, 035026		57
1774	Fluorescence Excitation-Emission Spectroscopy for Characterizing Transformation of Dissolved Organic Matter during Landfill Leachate Treatment by Photocatalysis. 2013 , 726-731, 122-126		
1773	Improved fluorescence excitation-emission matrix regional integration to quantify spectra for fluorescent dissolved organic matter. 2013 , 42, 925-30		85
1772	Effects of Backwashing on the Characteristics of Sand Filtration Effluents: Organic and Microbial Analyses. 2013 , 353-356, 2921-2925		
1771	Enhanced Performance of Ultrafiltration Membrane with Powdered Zeolite Addition for Secondary Effluent Treatment. 2013 , 838-841, 2712-2716		
1770	Effect of Ozone on Removal of Dissolved Organic Matter and its Biodegradability and Adsorbability in Biotreated Textile Effluents. 2013 , 35, 7-15		11
1769	Impact of oxygen cut off and starvation conditions on biological activity and physico-chemical properties of activated sludge. 2013 , 34, 901-10		5
1768	Study on surface water treatment by hybrid sand filtration and nanofiltration. 2013 , 51, 5327-5336		8
1767	Dissolved organic matter in digested piggery wastewater from combined treatment process. 2013 , 51, 2351-2361		3
1766	Investigation of the use of Chlorine Based Advanced Oxidation in Surface Water: Oxidation of Natural Organic Matter and Formation of Disinfection Byproducts. 2013 , 16,		6
1765	Abiotic reduction of 1,3-dinitrobenzene by aqueous dissolved extracellular polymeric substances produced by microorganisms. 2013 , 42, 1441-8		26
1764	Organic carbon and nitrogen export from a tropical dam-impacted floodplain system. 2013 , 10, 23-38		23

1763	Managing Quarterly DBP Stress in Ohio. 2013 , 105, 28-34	
1762	Study of influencing factors to chromophoric dissolved organic matter absorption properties from fluorescence features in Taihu lake in autumn. 2013 , 72, 26	1
1761	Characteristics of extracellular polymer substances (EPS) of biofilm in the biofilters of recirculating aquaculture system. 2014 ,	
1760	Self-organising maps and correlation analysis as a tool to explore patterns in excitation-emission matrix data sets and to discriminate dissolved organic matter fluorescence components. 2014 , 9, e99618	17
1759	Long-term fertilization modifies the structures of soil fulvic acids and their binding capability with Al. 2014 , 9, e105567	7
1758	Spatial variations in concentration, compositions of glomalin related soil protein in poplar plantations in northeastern China, and possible relations with soil physicochemical properties. 2014 , 2014, 160403	12
1757	Removal of disinfection by-products from contaminated water using a synthetic goethite catalyst via catalytic ozonation and a biofiltration system. 2014 , 11, 9325-44	13
1756	Fouling Issues in Membrane Bioreactors (MBRs) for Wastewater Treatment: Major Mechanisms, Prevention and Control Strategies. 2014 , 2, 795-866	68
1755	Tracking Inflows in Lake Wivenhoe during a Major Flood Using Optical Spectroscopy. 2014 , 6, 2339-2352	6
1754	Fractionation of Dissolved Organic Matter by (Oxy)Hydroxide-Coated Sands: Competitive Sorbate Displacement during Reactive Transport. 2014 , 13, 1-13	17
1753	Effect of C/N ratio on extracellular polymeric substances of activated sludge from an anoxic-aerobic sequencing batch reactor treating saline wastewater. 2014 , 35, 2821-8	22
1752	Effect of wildfires on physicochemical changes of watershed dissolved organic matter. 2014 , 86, 372-81	16
1751	Absorption and fluorescence properties of chromophoric dissolved organic matter: implications for the monitoring of water quality in a large subtropical reservoir. 2014 , 21, 14078-90	27
1750	Spectroscopic evidence for biochar amendment promoting humic acid synthesis and intensifying humification during composting. 2014 , 280, 409-16	115
1749	Spectrometric characterization of the effluent dissolved organic matter from an anammox reactor shows correlation between the EEM signature and anammox growth. 2014 , 117, 271-7	22
1748	Effect of PACs pretreatment on UF performance for NOM removal. 2014 , 52, 6878-6885	7
1747	Application of micro-flocculation and sand filtration as advanced wastewater treatment technique. 2014 , 52, 1299-1306	5
1746	Estimating the concentration and biodegradability of organic matter in 22 wastewater treatment plants using fluorescence excitation emission matrices and parallel factor analysis. 2014 , 14, 1771-86	64

1745	Impacts of powdered activated carbon addition on trihalomethane formation reactivity of dissolved organic matter in membrane bioreactor effluent. 2014 , 117, 338-44	9
1744	Photobleaching-induced changes in photosensitizing properties of dissolved organic matter. 2014 , 66, 140-148	39
1743	Structural Characteristics of Intracellular and Extracellular Organic Matter from <i>Microcystis aeruginosa</i> . 2014 , 675-677, 163-166	0
1742	Interaction between Enrofloxacin and the Extracellular Polymeric Substances from <i>Platymonas Subcordiformis</i> . 2014 , 1015, 531-535	
1741	Advanced treatment of antibiotic wastewater by nanofiltration: membrane selection and operation optimization. 2014 , 52, 7575-7585	11
1740	Interaction of dissolved organic matter with Hg(II) along salinity gradient in Boston Lake. 2014 , 52, 1072-1077	6
1739	Comparison of the effects of extracellular and intracellular organic matter extracted from <i>Microcystis aeruginosa</i> on ultrafiltration membrane fouling: dynamics and mechanisms. <i>Environmental Science & Technology</i> , 2014 , 48, 14549-57	10.3 84
1738	Aerobic granules formation and simultaneous nitrogen and phosphorus removal treating high strength ammonia wastewater in sequencing batch reactor. 2014 , 171, 211-6	58
1737	Comparison of the coagulation performance of tetravalent titanium and zirconium salts with alum. 2014 , 254, 635-646	55
1736	A fingerprint analysis method for characterization of dissolved organic matter in secondary effluents of municipal wastewater treatment plant. 2014 , 21, 14211-8	14
1735	Adsorption Behavior of DOM by PACs with Different Particle Sizes. 2014 , 42, 1363-1369	6
1734	Investigating the composition of dissolved organic matter in natural water in rare earth mine using EEM-PARAFAC analysis. 2014 , 16, 2527-35	6
1733	Disinfection byproduct formation resulting from settled, filtered, and finished water treated by titanium dioxide photocatalysis. 2014 , 117, 72-8	25
1732	Effect of continuous ozone injection on performance and biomass accumulation of biofilters treating gaseous toluene. 2014 , 98, 9437-46	14
1731	Fluorescent Signatures of Organic Matter Attached on Particulate Particle in the Atmosphere Surrounding in Steel Factory. 2014 , 955-959, 1224-1228	
1730	Nanofiltration for wastewater reuse: Counteractive effects of fouling and matrix on the rejection of pharmaceutical active compounds. 2014 , 133, 313-327	53
1729	Concurrent photolytic degradation of aqueous methylmercury and dissolved organic matter. 2014 , 484, 263-75	51
1728	3D front face solid-phase fluorescence spectroscopy combined with Independent Components Analysis to characterize organic matter in model soils. 2014 , 125, 146-52	14

1727	Nanofiltration of pharmaceutically active and endocrine disrupting compounds as a function of compound interactions with DOM fractions and cations in natural water. 2014 , 122, 462-471	40
1726	Understanding ultrafiltration membrane fouling by extracellular organic matter of <i>Microcystis aeruginosa</i> using fluorescence excitation-emission matrix coupled with parallel factor analysis. 2014 , 337, 67-75	44
1725	Relationship between anaerobic digestion of biodegradable solid waste and spectral characteristics of the derived liquid digestate. 2014 , 161, 69-77	27
1724	The use of biochar-amended composting to improve the humification and degradation of sewage sludge. 2014 , 168, 252-8	163
1723	Integration of fermentative biohydrogen with methanogenesis from fruit/vegetable waste using different pre-treatments. 2014 , 88, 1219-1227	26
1722	Simultaneous removal of dissolved organic matter and bromide from drinking water source by anion exchange resins for controlling disinfection by-products. 2014 , 26, 1294-300	18
1721	Use of fluorescence quenching method to measure sorption constants of phenolic xenoestrogens onto humic fractions from sediment. 2014 , 277, 27-33	37
1720	The binding interactions of imidacloprid with earthworm fibrinolytic enzyme. 2014 , 1072, 114-121	6
1719	Photodegradation of gallic acid under UV irradiation: insights regarding the pH effect on direct photolysis and the ROS oxidation-sensitized process of DOM. 2014 , 99, 254-60	26
1718	Fast characterization of soluble organic intermediates and integrity of microbial cells in the process of alkaline anaerobic fermentation of waste activated sludge. 2014 , 86, 49-56	24
1717	Prediction of anaerobic biodegradability and bioaccessibility of municipal sludge by coupling sequential extractions with fluorescence spectroscopy: towards ADM1 variables characterization. 2014 , 50, 359-72	65
1716	Concentration dynamics and biodegradability of dissolved organic matter in wetland soils subjected to experimental warming. 2014 , 470-471, 907-16	23
1715	Influence of hydrophobic/hydrophilic fractions of extracellular organic matters of <i>Microcystis aeruginosa</i> on ultrafiltration membrane fouling. 2014 , 470-471, 201-7	40
1714	Antibiofilm activity of <i>Bacillus pumilus</i> SW9 against initial biofouling on microfiltration membranes. 2014 , 98, 1309-20	7
1713	Characterisation of rapid infiltration flows and vulnerability in a karst aquifer using a decomposed fluorescence signal of dissolved organic matter. 2014 , 71, 553-561	17
1712	Quantifying interactions between propranolol and dissolved organic matter (DOM) from different sources using fluorescence spectroscopy. 2014 , 21, 5217-26	22
1711	Forest soil organic carbon dynamics as affected by plant species and their corresponding litters: a fluorescence spectroscopy approach. 2014 , 374, 473-484	21
1710	Fluorescence imaging for biofoulants detection and monitoring of biofouled strength in reverse osmosis membrane. 2014 , 6, 993-1000	3

1709	Hydrophilic fraction of natural organic matter causing irreversible fouling of microfiltration and ultrafiltration membranes. 2014 , 54, 123-36	128
1708	Characterization of microalgae-bacteria consortium cultured in landfill leachate for carbon fixation and lipid production. 2014 , 156, 322-8	94
1707	Inactivation of <i>Microcystis aeruginosa</i> by DC glow discharge plasma: Impacts on cell integrity, pigment contents and microcystins degradation. 2014 , 268, 33-42	36
1706	Humification characterization of biochar and its potential as a composting amendment. 2014 , 26, 390-7	73
1705	Isolation and characterization of dissolved organic matter fractions from antialgal products of <i>Microcystis aeruginosa</i> . 2014 , 21, 3946-54	9
1704	Changes in spectral characteristics and copper (II)-binding of dissolved organic matter in leachate from different water-treatment processes. 2014 , 66, 270-6	3
1703	A metabolomic approach to study the rhizodeposition in the tritrophic interaction: tomato, <i>Pochonia chlamydosporia</i> and <i>Meloidogyne javanica</i> . 2014 , 10, 788-804	20
1702	Tracking the spectroscopic and chromatographic changes of algal derived organic matter in a microbial fuel cell. 2014 , 21, 2230-2239	17
1701	Principal component analysis to assess the efficiency and mechanism for enhanced coagulation of natural algae-laden water using a novel dual coagulant system. 2014 , 21, 2122-2131	8
1700	Characterization of the interactions between tetracycline antibiotics and microbial extracellular polymeric substances with spectroscopic approaches. 2014 , 21, 1786-1795	55
1699	Impact of synthetic or real urban wastewater on membrane bioreactor (MBR) performances and membrane fouling under stable conditions. 2014 , 155, 235-44	20
1698	Impact of natural water colloids and cations on the rejection of pharmaceutically active and endocrine disrupting compounds by nanofiltration. 2014 , 450, 272-281	29
1697	Variation of dissolved fulvic acid from wetland measured by UV spectrum deconvolution and fluorescence excitation-emission matrix spectrum with self-organizing map. 2014 , 14, 1088-1097	10
1696	Anoxic and oxic removal of humic acids with Fe@Fe ₂ O ₃ core-shell nanowires: a comparative study. 2014 , 52, 92-100	43
1695	The importance of charge-transfer interactions in determining chromophoric dissolved organic matter (CDOM) optical and photochemical properties. 2014 , 16, 654-71	216
1694	Investigating the spatial variability of dissolved organic matter quantity and composition in Lake Wuliangshuai. 2014 , 62, 93-101	44
1693	Photocatalytic degradation of 17 β -ethinylestradiol in mono- and binary systems of fulvic acid and Fe(III): Application of fluorescence excitation/emission matrixes. 2014 , 237, 101-108	21
1692	Tracing TiO ₂ photocatalytic degradation of humic acid in the presence of clay particles by excitation-emission matrix (EEM) fluorescence spectra. 2014 , 282, 53-61	37

1691	Distribution of dissolved organic matter in freshwaters using excitation emission fluorescence and Multivariate Curve Resolution. 2014 , 111, 120-8		7
1690	Performance of a submerged anaerobic membrane bioreactor with forward osmosis membrane for low-strength wastewater treatment. 2014 , 50, 114-23		192
1689	Pilot-scale investigation of drinking water ultrafiltration membrane fouling rates using advanced data analysis techniques. 2014 , 48, 508-18		55
1688	New insight into chemical changes of dissolved organic matter during anaerobic digestion of dewatered sewage sludge using EEM-PARAFAC and two-dimensional FTIR correlation spectroscopy. 2014 , 159, 412-20		127
1687	Ozonation pretreatment for stabilized landfill leachate high-pressure membrane treatment. 2014 , 344, 163-170		27
1686	Kinetics of cell inactivation, toxin release, and degradation during permanganation of <i>Microcystis aeruginosa</i> . <i>Environmental Science & Technology</i> , 2014 , 48, 2885-92	10.3	63
1685	Microfiltration of different surface waters with/without coagulation: clear correlations between membrane fouling and hydrophilic biopolymers. 2014 , 49, 434-43		132
1684	Insight into the roles of earthworm in vermicomposting of sewage sludge by determining the water-extracts through chemical and spectroscopic methods. 2014 , 154, 94-100		45
1683	Aging biofilm from a full-scale moving bed biofilm reactor: characterization and enzymatic treatment study. 2014 , 154, 122-30		36
1682	Critical analysis of commonly used fluorescence metrics to characterize dissolved organic matter. 2014 , 49, 327-38		93
1681	Composition of EPS fractions from suspended sludge and biofilm and their roles in microbial cell aggregation. 2014 , 117, 59-65		105
1680	Treatment of coal gasification wastewater by membrane bioreactor hybrid powdered activated carbon (MBRBAC) system. 2014 , 117, 753-9		50
1679	Formation and toxicity of brominated disinfection byproducts during chlorination and chloramination of water: a review. 2014 , 49, 212-28		92
1678	Combining chemical sequential extractions with 3D fluorescence spectroscopy to characterize sludge organic matter. 2014 , 34, 2572-80		29
1677	Investigating Spectral Characteristics and Spatial Variability of Dissolved Organic Matter Leached from Wetland in Semi-Arid Region to Differentiate Its Sources and Fate. 2014 , 42, 1076-1082		4
1676	Effect of granular activated carbon addition on the effluent properties and fouling potentials of membrane-coupled expanded granular sludge bed process. 2014 , 171, 240-6		25
1675	Characterization of dissolved organic matter in municipal wastewater using fluorescence PARAFAC analysis and chromatography multi-excitation/emission scan: a comparative study. <i>Environmental Science & Technology</i> , 2014 , 48, 2603-9	10.3	172
1674	Effects of transmembrane pressure and ozonation on the reduction of ceramic membrane fouling during water reclamation. 2014 , 52, 612-617		8

1673	Photochemical alteration of biogenic particles in wastewater effluents. 2014 , 59, 3659-3668	7
1672	An efficient near infrared photocatalyst of Er ³⁺ /Tm ³⁺ /Yb ³⁺ tridoped (CaWO ₄ @(TiO ₂ /CaF ₂)) with multi-stage CaF ₂ nanocrystal formation. 2014 , 2, 16165-16174	25
1671	Organic removal assessment at full-scale treatment facilities using advanced organic characterization tools. 2014 , 16, 2451-9	13
1670	Three-dimensional fluorescence excitation-emission matrix (EEM) spectroscopy with regional integration analysis for assessing waste sludge hydrolysis treated with multi-enzyme and thermophilic bacteria. 2014 , 171, 22-8	97
1669	Investigation of Pollution in Rivers and Groundwater by Fluorescence. 2014 , 1-14	2
1668	Characterization and biotoxicity assessment of dissolved organic matter in RO concentrate from a municipal wastewater reclamation reverse osmosis system. 2014 , 117, 545-51	41
1667	Removal of phenolic endocrine disrupting compounds from waste activated sludge using UV, H ₂ O ₂ , and UV/H ₂ O ₂ oxidation processes: effects of reaction conditions and sludge matrix. 2014 , 493, 307-23	102
1666	Ultraviolet radiation pre-treatment modifies dairy wastewater, improving its utility as a medium for algal cultivation. 2014 , 6, 98-110	17
1665	Effluent organic matter (EfOM) characterization by simultaneous measurement of proteins and humic matter. 2014 , 63, 62-70	53
1664	Fouling of reverse osmosis membrane for municipal wastewater reclamation: Autopsy results from a full-scale plant. 2014 , 349, 73-79	58
1663	Effect of biological activated carbon pre-treatment to control organic fouling in the microfiltration of biologically treated secondary effluent. 2014 , 63, 147-57	41
1662	A new classification paradigm of extracellular polymeric substances (EPS) in activated sludge: separation and characterization of exopolymers between floc level and microcolony level. 2014 , 64, 53-60	47
1661	Dynamic changes in the characteristics and components of activated sludge and filtrate during the pressurized electro-osmotic dewatering process. 2014 , 134, 1-11	47
1660	Fouling effects of algogenic organic matters during nanofiltration of naproxen. 2014 , 350, 69-78	11
1659	Enhancement of aerobic granulation by zero-valent iron in sequencing batch airlift reactor. 2014 , 279, 511-7	60
1658	Towards understanding the stabilization process in vermicomposting using PARAFAC analysis of fluorescence spectra. 2014 , 117, 216-22	21
1657	Fluorescence Characterization of Natural Organic Matter at a Northern Ontario Wastewater Treatment Plant. 2014 , 225, 1	18
1656	Occurrence, polarity and bioavailability of dissolved organic matter in the Huangpu River, China. 2014 , 26, 1843-50	22

1655	The important implications of particulate substrate in determining the physicochemical characteristics of extracellular polymeric substances (EPS) in activated sludge. 2014 , 58, 1-8	39
1654	Characterization, DBPs formation, and mutagenicity of different organic matter fractions in two source waters. 2014 , 217, 300-6	13
1653	Flocculation of Escherichia coli using a quaternary ammonium salt grafted carboxymethyl chitosan flocculant. <i>Environmental Science & Technology</i> , 2014 , 48, 6867-73	10.3 82
1652	Feedwater coagulation to mitigate the fouling of a ceramic MF membrane caused by soluble algal organic matter. 2014 , 133, 221-226	34
1651	Influence of upstream land use on dissolved organic matter and trihalomethane formation potential in watersheds for two different seasons. 2014 , 21, 7489-500	29
1650	Characterizing the heavy metal-complexing potential of fluorescent water-extractable organic matter from composted municipal solid wastes using fluorescence excitation-emission matrix spectra coupled with parallel factor analysis. 2014 , 21, 7973-84	52
1649	Enhanced photo-fermentative H ₂ production using Rhodospirillum rubrum by ethanol addition and analysis of soluble microbial products. 2014 , 7, 79	16
1648	Characterization of dissolved organic matter from surface waters with low to high dissolved organic carbon and the related disinfection byproduct formation potential. 2014 , 271, 228-35	44
1647	Characterization of organic membrane foulants in a forward osmosis membrane bioreactor treating anaerobic membrane bioreactor effluent. 2014 , 167, 137-43	30
1646	The influence of granular materials on the operation and membrane fouling characteristics of submerged MBRs. 2014 , 469, 292-299	37
1645	Effect of short-time hydrothermal pretreatment of kitchen waste on biohydrogen production: fluorescence spectroscopy coupled with parallel factor analysis. 2014 , 172, 382-390	29
1644	Morphology, mineralogy, and solid-liquid phase separation characteristics of Cu and Zn precipitates produced with biogenic sulfide. <i>Environmental Science & Technology</i> , 2014 , 48, 664-73	10.3 22
1643	Fluorescence Characterization of Humic Substance Coagulation: Application of New Tools to an Old Process. 2014 , 281-300	3
1642	Anaerobic co-digestion of food waste and landfill leachate in single-phase batch reactors. 2014 , 34, 2278-84	49
1641	Mechanism of membrane filterability amelioration via tuning mixed liquor property by pre-ozonation. 2014 , 454, 111-118	16
1640	Ultrafiltration membrane fouling caused by extracellular organic matter (EOM) from <i>Microcystis aeruginosa</i> : Effects of membrane pore size and surface hydrophobicity. 2014 , 449, 58-66	184
1639	Anti-estrogenic activity and related disinfection by-product formation induced by bromide during chlorine disinfection of sewage secondary effluent. 2014 , 273, 280-6	19
1638	VFAs bioproduction from waste activated sludge by coupling pretreatments with <i>Agaricus bisporus</i> substrates conditioning. 2014 , 49, 283-289	44

1637	Influences of dissolved organic matter characteristics on trihalomethanes formation during chlorine disinfection of membrane bioreactor effluents. 2014 , 165, 81-7	36
1636	Experimental nitrogen deposition alters the quantity and quality of soil dissolved organic carbon in an alpine meadow on the Qinghai-Tibetan Plateau. 2014 , 81, 1-11	34
1635	The effect of solids retention times on the characterization of extracellular polymeric substances and soluble microbial products in a submerged membrane bioreactor. 2014 , 163, 395-8	31
1634	Assessment of humification degree of dissolved organic matter from different composts using fluorescence spectroscopy technology. 2014 , 95, 261-7	91
1633	Characterization of soluble microbial products as precursors of disinfection byproducts in drinking water supply. 2014 , 472, 818-24	55
1632	Effect of coagulation on treatment of municipal wastewater reverse osmosis concentrate by UVC/H ₂ O ₂ . 2014 , 266, 10-8	29
1631	Detection, fate and transport of estrogen family hormones in soil. 2014 , 95, 336-45	42
1630	Transformation of dissolved organic matters in swine, cow and chicken manures during composting. 2014 , 168, 222-8	75
1629	Identifying the factors that influence the reactivity of effluent organic matter with hydroxyl radicals. 2014 , 50, 408-19	89
1628	Treatment of secondary effluent using a three-dimensional electrode system: COD removal, biotoxicity assessment, and disinfection effects. 2014 , 243, 1-6	78
1627	Characteristics of extracellular polymeric substances of phototrophic biofilms at different aquatic habitats. 2014 , 106, 1-6	34
1626	Anti-estrogenic activity formation potential assessment and precursor analysis in reclaimed water during chlorination. 2014 , 48, 490-7	23
1625	Enhanced power production from waste activated sludge in rotating-cathode microbial fuel cells: The effects of aquatic worm predation. 2014 , 248, 415-421	19
1624	Transformation of anti-estrogenic-activity related dissolved organic matter in secondary effluents during ozonation. 2014 , 48, 605-12	34
1623	Evaluation of natural organic matter changes from Lake Hohloh by three-dimensional excitation-emission matrix fluorescence spectroscopy during TiO ₂ /UV process. 2014 , 51, 124-33	55
1622	Applied Manure and Nutrient Chemistry for Sustainable Agriculture and Environment. 2014 ,	17
1621	Analytical methods for soluble microbial products (SMP) and extracellular polymers (ECP) in wastewater treatment systems: a review. 2014 , 61, 1-18	155
1620	Effect of hexavalent chromium on extracellular polymeric substances of granular sludge from an aerobic granular sequencing batch reactor. 2014 , 251, 165-174	71

1619	The Use of Perylene as a Probe To Determine the Ability of Dissolved Organic Matter in the Aquatic Environment To Associate with Hydrophobic Organic Pollutants. 2014 , 193-205	
1618	Application of high-resolution spectral absorbance measurements to determine dissolved organic carbon concentration in remote areas. 2014 , 517, 435-446	40
1617	Changes of microbial substrate metabolic patterns through a wastewater reuse process, including WWTP and SAT concerning depth. 2014 , 60, 105-117	11
1616	Benthic flux of dissolved organic matter from lake sediment at different redox conditions and the possible effects of biogeochemical processes. 2014 , 61, 97-107	46
1615	Electrospun nanofibrous PVDF/PMA MF membrane in laboratory and pilot-scale study treating wastewater from Seoul Zoo. 2014 , 346, 107-114	25
1614	Rejection of pharmaceutically active and endocrine disrupting compounds by nanofiltration as a function of source water humic substances. 2014 , 2, 63-70	13
1613	Effects of sludge retention times on reactivity of effluent dissolved organic matter for trihalomethane formation in hybrid powdered activated carbon membrane bioreactors. 2014 , 166, 381-8	22
1612	DOM removal by flocculation process: Fluorescence excitation-emission matrix spectroscopy (EEMs) characterization. 2014 , 346, 38-45	50
1611	Understanding the impact of chemical conditioning with inorganic polymer flocculants on soluble extracellular polymeric substances in relation to the sludge dewaterability. 2014 , 132, 430-437	63
1610	Impact of influent COD/N ratio on disintegration of aerobic granular sludge. 2014 , 62, 127-35	123
1609	Characterization of chromophoric dissolved organic matter and trihalomethane formation potential in a recently constructed reservoir and the surrounding areas – Impoundment effects. 2014 , 515, 71-80	31
1608	Dissolved organic matter removal by magnetic anion exchange resin and released ion elimination by electrolysis. 2014 , 253, 237-242	19
1607	Ozonation of piggery wastewater for enhanced removal of contaminants by <i>S. quadricauda</i> and the impact on organic characteristics. 2014 , 159, 128-35	42
1606	Evaluation of different algogenic organic matters on the fouling of microfiltration membranes. 2014 , 344, 329-338	34
1605	Aquatic Organic Matter Fluorescence. 75-122	22
1604	Sampling Design for Organic Matter Fluorescence Analysis. 125-146	5
1603	Nitrosamine precursor and DOM control in an effluent-affected drinking water. 2014 , 106, E307-E318	31
1602	Evaluation of a pretreatment method using cation exchange resin to enhance the sludge solubilization and disintegration for improving the efficiency of anaerobic digestion. 2014 , 1-8	

1601	Characterization of a humic acid extracted from marine sediment and its influence on the growth of marine diatoms. 2014 , 94, 895-906	7
1600	Comparison of evaluation methods for Microcystis cell breakage based on dissolved organic carbon release, potassium release and flow cytometry. 2015 , 281, 174-182	24
1599	Monthly survey of N-nitrosamine yield in a conventional water treatment plant in North China. 2015 , 38, 142-9	10
1598	Fractionation, characterization and C-, N-disinfection byproduct formation of soluble microbial products in MBR processes. 2015 , 198, 380-7	25
1597	Specific investigation of irreversible membrane fouling in excess of critical flux for irreversibility: A pilot-scale operation for water treatment. 2015 , 151, 147-154	13
1596	Benefit of adding adsorbent in submerged membrane microfiltration treatment of wastewater. 2015 , 1-11	2
1595	Enhanced dewaterability of sewage sludge with zero-valent iron-activated persulfate oxidation system. 2015 , 72, 245-51	9
1594	Direct estimation of dissolved organic carbon using synchronous fluorescence and independent component analysis (ICA): advantages of a multivariate calibration. 2015 , 187, 703	10
1593	Chromophoric Dissolved Organic Matter Fluctuation Assessment in an Urban River. 2015 , 43, 1128-1135	5
1592	Biological, Physicochemical, and Spectral Properties of Aerated Compost Extracts: Influence of Aeration Quantity. 2015 , 46, 2295-2310	4
1591	A novel approach combining self-organizing map and parallel factor analysis for monitoring water quality of watersheds under non-point source pollution. 2015 , 5, 16079	15
1590	Measurement of Residual Bran Distribution on Milled Rice Using Fluorescence Fingerprint-derived Imaging. 2015 , 21, 187-192	0
1589	Impact of extracted algogenic organic matter on coagulation performance. 2015 , 15, 617-624	2
1588	The evolution of organic character in a drought- and flood-impacted water source and the relationship with drinking water treatment. 2015 , 6, 401-413	4
1587	Using ozonation to eliminate the inhibition of soluble algal products (SAP) of Scenedesmus sp. LX1 on its growth in microalgal cultivation for biomass/bioenergy production. 2015 , 15, 1034-1039	5
1586	Properties of the Jurassic Clayey Deposits of Southwestern Latvia and Northern Lithuania / Dienvidrietumu Latvijas un Ziemeļietuvas juras mālaino nogulumu īpašības. 2015 , 32,	1
1585	Prescribed Fire Alters Dissolved Organic Matter and Disinfection By-Product Precursors in Forested Watersheds - Part I. A Controlled Laboratory Study. 2015 , 271-292	5
1584	Identification of a predominant effect on bacterial cell disruption and released organic matters by a high-pressure jet device. 2015 , 101, 220-227	8

1583	Spectroscopic characterization of dissolved organic matter in coking wastewater during bio-treatment: full-scale plant study. 2015 , 72, 1411-20	10
1582	Optical Characteristics and Chemical Composition of Dissolved Organic Matter (DOM) from Riparian Soil by Using Excitation-Emission Matrix (EEM) Fluorescence Spectroscopy and Mass Spectrometry. 2015 , 69, 623-34	4
1581	EFFECT OF DISSOLVED ORGANIC MATTER IN TREATED WASTEWATER ON VIRUS ADSORPTION IN SOIL AQUIFER TREATMENT. 2015 , 71, III_351-III_359	
1580	Structural and Functional Comparison of Mobile and Recalcitrant Humic Fractions from Agricultural Soils. 2015 , 79-98	2
1579	Research on the Recycling of Distillation Waste in Ethanol Fermentation from Food Waste and Its Influence. 2015 , 12, 737-742	5
1578	Characteristic region extraction from time-series three-dimensional fluorescence spectroscopy. 2015 , 7, 3461-3465	0
1577	Impact of urbanization on nutrients and heavy metal pollution of Napahai Wetland, Shangri-La County, China. 2015 , 22, 117-126	9
1576	Effects of aeration strategy on the evolution of dissolved organic matter (DOM) and microbial community structure during sludge bio-drying. 2015 , 99, 7321-31	54
1575	Insights on the solubilization products after combined alkaline and ultrasonic pre-treatment of sewage sludge. 2015 , 29, 97-105	27
1574	Pretreatment of coal gasification wastewater by adsorption using activated carbons and activated coke. 2015 , 482, 177-183	36
1573	Composition of extracellular polymeric substances in a partial nitrification reactor treating high ammonia wastewater and nitrous oxide emission. 2015 , 190, 474-9	29
1572	Isolation and characterization of Chinese standard fulvic acid sub-fractions separated from forest soil by stepwise elution with pyrophosphate buffer. 2015 , 5, 8723	22
1571	Performance of aerobic granular sludge in a sequencing batch bioreactor for slaughterhouse wastewater treatment. 2015 , 190, 487-91	63
1570	Transformation of dissolved organic matters in landfill leachate-bioelectrochemical system. 2015 , 191, 350-4	20
1569	Characteristics of Dissolved Organic Carbon Revealed by Ultraviolet-Visible Absorbance and Fluorescence Spectroscopy: The Current Status and Future Exploration. 2015 , 1-21	8
1568	Effects of metabolic uncouplers on excess sludge reduction and microbial products of activated sludge. 2015 , 185, 1-6	35
1567	Comparison of the performance of waste leachate treatment in submerged and recirculated membrane bioreactors. 2015 , 102, 73-80	27
1566	Recovery of potassium from landfill leachate concentrates using a combination of cation-exchange membrane electrolysis and magnesium potassium phosphate crystallization. 2015 , 144, 1-7	24

1565	A comprehensive study into fouling properties of extracellular polymeric substance (EPS) extracted from bulk sludge and cake sludge in a mesophilic anaerobic membrane bioreactor. 2015 , 192, 105-14	53
1564	Characterization of DON in IOM derived from <i>M. aeruginosa</i> and its removal by sunlight/immobilized TiO ₂ system. 2015 , 5, 41203-41209	12
1563	Effect of pH on the formation of disinfection byproducts in ferrate(VI) pre-oxidation and subsequent chlorination. 2015 , 156, 980-986	24
1562	Controlled Burning of Forest Detritus Altering Spectroscopic Characteristics and Chlorine Reactivity of Dissolved Organic Matter: Effects of Temperature and Oxygen Availability. <i>Environmental Science & Technology</i> , 2015 , 49, 14019-27	10.3 33
1561	Coagulation modeling using artificial neural networks to predict both turbidity and DOM-PARAFAC component removal. 2015 , 3, 2829-2838	32
1560	Characterization of Dissolved Organic Matter from Sewage Sludge using 3D-Fluorescence Spectroscopy and Chemometric Tools. 2015 , 46, 188-196	5
1559	Control of Halogenated N-DBP Precursors Using Traditional and Advanced Drinking Water Treatment Processes: A Pilot-Scale Study in China's Lake Taihu. 2015 , 307-339	2
1558	Effects of micro-organism growth phase on the accumulation and characteristics of soluble microbial products in MBR. 2015 , 53, 2954-2961	
1557	Optimization and effect of powdered activated carbon addition on commingled chemical industrial wastewater treatment in a sequencing batch reactor. 2015 , 56, 24-32	1
1556	Composition, source characteristic and indication of eutrophication of dissolved organic matter in the sediments of Erhai Lake. 2015 , 74, 3739-3751	13
1555	Comparison of different combined treatment processes to address the source water with high concentration of natural organic matter during snowmelt period. 2015 , 27, 51-8	3
1554	Comparison of three-dimensional fluorescence analysis methods for predicting formation of trihalomethanes and haloacetic acids. 2015 , 27, 159-67	23
1553	The migration and transformation of dissolved organic matter during the freezing processes of water. 2015 , 27, 168-78	15
1552	Variations of organic matters and microbial community in thermophilic anaerobic digestion of waste activated sludge with the addition of ferric salts. 2015 , 179, 291-298	53
1551	Tracking the evolution of stream DOM source during storm events using end member mixing analysis based on DOM quality. 2015 , 523, 333-341	52
1550	Long-term operation of manure-microbial fuel cell. 2015 , 180, 365-9	26
1549	Assessment of biological activated carbon treatment to control membrane fouling in reverse osmosis of secondary effluent for reuse in irrigation. 2015 , 364, 90-95	24
1548	Nitrogen removal processes in deep subsurface wastewater infiltration systems. 2015 , 77, 275-283	24

1547	Identification of the function of extracellular polymeric substances (EPS) in denitrifying phosphorus removal sludge in the presence of copper ion. 2015 , 73, 252-64	81
1546	Reduction of dissolved organic matter in secondary municipal effluents by enhanced coagulation. 2015 , 34, 751-760	6
1545	Internal carbon source from sludge pretreated by microwave-H ₂ O ₂ for nutrient removal in A ₂ /O-membrane bioreactors. 2015 , 36, 827-36	4
1544	Water quality of small seasonal wetlands in the Piedmont ecoregion, South Carolina, USA: Effects of land use and hydrological connectivity. 2015 , 73, 98-108	41
1543	Insights into the respective role of acidification and oxidation for enhancing anaerobic digested sludge dewatering performance with Fenton process. 2015 , 181, 247-53	115
1542	Characterization of hydraulic fracturing flowback water in Colorado: implications for water treatment. 2015 , 512-513, 637-644	232
1541	Evaluation of monitoring indicators for the post-closure care of a landfill for MSW characterized with low lignin content. 2015 , 36, 222-9	13
1540	Spatial Distribution and Fluorescence Properties of Soil Dissolved Organic Carbon Across a Riparian Buffer Wetland in Chongming Island, China. 2015 , 25, 220-229	19
1539	Physicochemical interactions between rhamnolipids and <i>Pseudomonas aeruginosa</i> biofilm layers. <i>Environmental Science & Technology</i> , 2015 , 49, 3718-26	10.3 51
1538	Transition of major components in irreversible fouling of MBRs treating municipal wastewater. 2015 , 142, 326-331	35
1537	Correlating ultrafiltration membrane fouling with membrane properties, water quality, and permeate flux. 2015 , 56, 1746-1757	3
1536	A settling curve modeling method for quantitative description of the dispersion stability of carbon nanotubes in aquatic environments. 2015 , 29, 1-10	10
1535	Utilization of different waste proteins to create a novel PGPR-containing bio-organic fertilizer. 2015 , 5, 7766	13
1534	Enhancing upconversion emissions of Er ³⁺ /Tm ³⁺ /Yb ³⁺ tridoped (NaY(WO ₄) ₂ /YF ₃) through TiO ₂ coating and Bi ³⁺ doping and its photocatalytic applications. 2015 , 168-169, 313-321	28
1533	Effects of macro-porous anion exchange and coagulation treatment on organic removal and membrane fouling reduction in water treatment. 2015 , 355, 204-216	10
1532	Glomalin-related soil protein in French temperate forest soils: interference in the Bradford assay caused by co-extracted humic substances. 2015 , 66, 311-319	27
1531	Submerged Membrane Bioreactor for Vegetable Oil Wastewater Treatment. 2015 , 38, 101-109	19
1530	The structure and component characteristics of partial nitrification biofilms under autotrophic and heterotrophic conditions. 2015 , 99, 3673-83	13

1529	Occurrence and behaviors of fluorescence EEM-PARAFAC components in drinking water and wastewater treatment systems and their applications: a review. 2015 , 22, 6500-10	134
1528	Using fluorescence spectroscopy coupled with chemometric analysis to investigate the origin, composition, and dynamics of dissolved organic matter in leachate-polluted groundwater. 2015 , 22, 8499-506	35
1527	Elevated atmospheric carbon dioxide concentration stimulates soil microbial activity and impacts water-extractable organic carbon in an agricultural soil. 2015 , 122, 253-267	9
1526	Tracking the composition and transformation of humic and fulvic acids during vermicomposting of sewage sludge by elemental analysis and fluorescence excitation-emission matrix. 2015 , 39, 111-8	41
1525	Formation of aldehydes and carboxylic acids in ozonated surface water and wastewater: a clear relationship with fluorescence changes. 2015 , 125, 182-90	38
1524	Characteristic changes in algal organic matter derived from <i>Microcystis aeruginosa</i> in microbial fuel cells. 2015 , 195, 25-30	17
1523	Wildfire altering terrestrial precursors of disinfection byproducts in forest detritus. <i>Environmental Science & Technology</i> , 2015 , 49, 5921-9	10.3 59
1522	Ultrathin graphene oxide nanosheet membranes with various d-spacing assembled using the pressure-assisted filtration method for removing natural organic matter. 2015 , 371, 78-87	100
1521	Enhancement of activated sludge dewatering performance by combined composite enzymatic lysis and chemical re-flocculation with inorganic coagulants: Kinetics of enzymatic reaction and re-flocculation morphology. 2015 , 83, 367-76	118
1520	Comparison of the MBBR denitrification carriers for advanced nitrogen removal of wastewater treatment plant effluent. 2015 , 22, 13970-9	28
1519	Effects of CeO ₂ nanoparticles on production and physicochemical characteristics of extracellular polymeric substances in biofilms in sequencing batch biofilm reactor. 2015 , 194, 91-8	86
1518	Effect of cell integrity on algal destabilization by oxidation-assisted coagulation. 2015 , 151, 262-268	13
1517	Spectroscopic examination of effects of iodide on the chloramination of natural organic matter. 2015 , 70, 449-57	17
1516	Preparation of graphene oxide modified polyamide thin film composite membranes with improved hydrophilicity for natural organic matter removal. 2015 , 280, 720-727	141
1515	Fluorescent dissolved organic matter as a multivariate biogeochemical tracer of submarine groundwater discharge in coral reef ecosystems. 2015 , 177, 232-243	49
1514	Conservative behavior of fluorescence EEM-PARAFAC components in resin fractionation processes and its applicability for characterizing dissolved organic matter. 2015 , 83, 217-26	78
1513	Optimization for extracellular polymeric substances extraction of microbial aggregates. 2015 , 71, 1106-12	10
1512	Characterization of the anaerobic denitrification bacterium <i>Acinetobacter</i> sp. SZ28 and its application for groundwater treatment. 2015 , 192, 654-9	51

1511	Effect of long-term organic removal on ion exchange properties and performance during sewage tertiary treatment by conventional anion exchange resins. 2015 , 136, 181-9	25
1510	Substrate-immobilized electrospun TiO ₂ nanofibers for photocatalytic degradation of pharmaceuticals: The effects of pH and dissolved organic matter characteristics. 2015 , 86, 25-34	51
1509	Response of extracellular polymeric substances to the toxicity of 2,4-dichlorophenol in aerobic granular sludge system: production and interaction mechanism. 2015 , 5, 33016-33022	13
1508	Impact of pre-ozonation on disinfection by-product formation and speciation from chlor(am)ination of algal organic matter of <i>Microcystis aeruginosa</i> . 2015 , 120, 256-62	40
1507	Evaluation of disinfection by-product formation potential (DBPFP) during chlorination of two algae species--Blue-green <i>Microcystis aeruginosa</i> and diatom <i>Cyclotella meneghiniana</i> . 2015 , 532, 540-7	44
1506	A new organic matter fractionation methodology for organic wastes: Bioaccessibility and complexity characterization for treatment optimization. 2015 , 194, 344-53	43
1505	The effects of divalent copper on performance, extracellular polymeric substances and microbial community of an anoxic/aerobic sequencing batch reactor. 2015 , 5, 30737-30747	14
1504	Effect of oxytetracycline on performance and microbial community of an anoxic/aerobic sequencing batch reactor treating mariculture wastewater. 2015 , 5, 53893-53904	17
1503	Environmental pH and ionic strength influence the electron-transfer capacity of dissolved organic matter. 2015 , 15, 2257-2264	15
1502	The effects of three commonly used extraction methods on the redox properties of extracellular polymeric substances from activated sludge. 2015 , 36, 2884-91	12
1501	Toxicity of bisphenol A to aerobic granular sludge in sequencing batch reactors. 2015 , 209, 284-288	43
1500	Colorimetric Effect of Gold Nanocup Arrays on Fluorescence Amplification. 2015 , 119, 18518-18526	4
1499	Ceramic membrane fouling during ultrafiltration of oil/water emulsions: roles played by stabilization surfactants of oil droplets. <i>Environmental Science & Technology</i> , 2015 , 49, 4235-44	10.3 103
1498	Characterizing treated wastewaters of different industries using clustered fluorescence EEM-PARAFAC and FT-IR spectroscopy: implications for downstream impact and source identification. 2015 , 127, 222-8	107
1497	Dissolved organic matter removal during coal slag additive soil aquifer treatment for secondary effluent recharging: Contribution of aerobic biodegradation. 2015 , 156, 158-66	8
1496	Adsorption of Pb(II), Cd(II) and Zn(II) by extracellular polymeric substances extracted from aerobic granular sludge: Efficiency of protein. 2015 , 3, 1223-1232	68
1495	Impact of ozone assisted ultrasonication pre-treatment on anaerobic digestibility of sewage sludge. 2015 , 33, 29-38	24
1494	Inline coagulation-ultrafiltration as the pretreatment for reverse osmosis brine treatment and recovery. 2015 , 365, 242-249	39

1493	Correlation between SUVA and DBP formation during chlorination and chloramination of NOM fractions from different sources. 2015 , 130, 82-9	160
1492	Fate of trace organics in a wastewater effluent dependent stream. 2015 , 518-519, 479-90	30
1491	Dosing time of ferric chloride to disinhibit the excessive volatile fatty acids in sludge thermophilic anaerobic digestion system. 2015 , 189, 154-161	39
1490	Photoinduced transformation of waste-derived soluble bio-based substances. 2015 , 274, 247-255	9
1489	Effects of irradiation and pH on fluorescence properties and flocculation of extracellular polymeric substances from the cyanobacterium <i>Chroococcus minutus</i> . 2015 , 128, 115-118	18
1488	Effect of continuous ozone injection on performance and biomass accumulation of biofilters treating gaseous toluene. 2015 , 99, 33-42	11
1487	Influence of microbubble in physical cleaning of MF membrane process for wastewater reuse. 2015 , 22, 8451-9	16
1486	Characterizing the fluorescent properties and copper complexation of dissolved organic matter in saline-alkali soils using fluorescence excitation-emission matrix and parallel factor analysis. 2015 , 15, 1473-1482	25
1485	Leachability of phenanthrene from soil under acid rain and its relationship with dissolved organic matter. 2015 , 73, 3675-3681	8
1484	Comparison between moving bed-membrane bioreactor and conventional membrane bioreactor systems. Part I: membrane fouling. 2015 , 73, 4881-4890	14
1483	Enhancing the production of butyric acid from sludge fermentation with an emphasis on zinc, cobalt, cuprum, ferrum and manganese. 2015 , 73, 5057-5066	5
1482	Bibliography. 2015 , 303-350	
1481	Pilot-scale integrated process for the treatment of dry-spun acrylic fiber manufacturing wastewater. 2015 , 54, 2015-2022	3
1480	Methadone Contributes to N-Nitrosodimethylamine Formation in Surface Waters and Wastewaters during Chloramination. 2015 , 2, 151-157	59
1479	Removal of natural organic matter by forward osmosis membrane: Flux behaviour and foulant characterization. 2015 , 31, 308-314	1
1478	Effects of salinity on performance, extracellular polymeric substances and microbial community of an aerobic granular sequencing batch reactor. 2015 , 144, 223-231	94
1477	Influence of solids retention time on membrane fouling: characterization of extracellular polymeric substances and soluble microbial products. 2015 , 31, 181-91	14
1476	Effect of calcium addition on sludge properties and membrane fouling potential of the membrane-coupled expanded granular sludge bed process. 2015 , 489, 55-63	20

1475	Role of extracellular polymeric substances from <i>Chlorella vulgaris</i> in the removal of ammonium and orthophosphate under the stress of cadmium. 2015 , 190, 299-306	67
1474	Preconditioning of model biocarriers by soluble pollutants: a QCM-D study. 2015 , 7, 7222-30	21
1473	Characterization of dissolved organic matter in landfill leachate during the combined treatment process of air stripping, Fenton, SBR and coagulation. 2015 , 41, 111-8	97
1472	Parameter optimization based on capacitive deionization for highly efficient desalination of domestic wastewater biotreated effluent and the fouled electrode regeneration. 2015 , 365, 407-415	66
1471	Applying fluorescence spectroscopy and multivariable analysis to characterize structural composition of dissolved organic matter and its correlation with water quality in an urban river. 2015 , 73, 5163-5171	37
1470	Comparison of optical properties of chromophoric dissolved organic matter (CDOM) in alpine lakes above or below the tree line: insights into sources of CDOM. 2015 , 14, 1047-62	17
1469	Effective removal of humic acid using xanthan gum incorporated polyethersulfone membranes. 2015 , 121, 223-8	21
1468	Investigation of disinfection byproducts formation in ferrate(VI) pre-oxidation of NOM and its model compounds followed by chlorination. 2015 , 292, 197-204	80
1467	Ultraviolet membrane bioreactor for enhancing the removal of organic matter in micro-polluted water. 2015 , 56, 2335-2343	
1466	Characterizing the distribution of organic matter during composting of sewage sludge using a chemical and spectroscopic approach. 2015 , 5, 95960-95966	9
1465	Struvite-based phosphorus recovery from the concentrated bioeffluent by using HFO nanocomposite adsorption: Effect of solution chemistry. 2015 , 141, 227-34	20
1464	Two-dimensional FTIR correlation spectroscopy reveals chemical changes in dissolved organic matter during the biodrying process of raw sludge and anaerobically digested sludge. 2015 , 5, 82087-82096	21
1463	Allelopathic effects of <i>Ailanthus altissima</i> extracts on <i>Microcystis aeruginosa</i> growth, physiological changes and microcystins release. 2015 , 141, 219-26	48
1462	New insight into DOC and DON in a drinking water biological aerated filter (BAF) by multimethod and correlation analysis of 3D-EEM. 2015 , 7, 9885-9893	4
1461	Zinc ferrite catalysts for ozonation of aqueous organic contaminants: phenol and bio-treated coking wastewater. 2015 , 156, 625-635	46
1460	Differences in microbial communities and performance between suspended and attached growth anaerobic membrane bioreactors treating synthetic municipal wastewater. 2015 , 1, 800-813	37
1459	Effects of membrane orientation on fouling characteristics of forward osmosis membrane in concentration of microalgae culture. 2015 , 197, 429-33	43
1458	Fluorescent minerals--A potential source of UV protection and visible light for the growth of green algae and cyanobacteria in extreme cosmic environments. 2015 , 6, 87-91	1

1457	Profile of dissolved organic nitrogen (DON) in full-scale ozone and biological activated carbon filter. 2015 , 55, 2069-2078	2
1456	Insight into the composition and evolution of compost-derived dissolved organic matter using high-performance liquid chromatography combined with Fourier transform infrared and nuclear magnetic resonance spectra. 2015 , 1420, 83-91	20
1455	Impact of spring flooding on DOM characterization in a small watershed of the Hun River, China. 2015 , 73, 5131-5140	10
1454	Development of a novel integrated membrane system incorporated with an activated coke adsorption unit for advanced coal gasification wastewater treatment. 2015 , 484, 99-107	22
1453	Effect of algal organic matter (AOM) extracted from <i>Microcystis aeruginosa</i> on photo-degradation of Diuron. 2015 , 281, 265-271	14
1452	Effects of dissolved organic matters (DOMs) on membrane fouling in anaerobic ceramic membrane bioreactors (AnCMBRs) treating domestic wastewater. 2015 , 86, 96-107	104
1451	CaF ₂ -Based Near-Infrared Photocatalyst Using the Multifunctional CaTiO ₃ Precursors as the Calcium Source. 2015 , 7, 20170-8	26
1450	The effect of vegetation and soil texture on the nature of organics in runoff from a catchment supplying water for domestic consumption. 2015 , 529, 72-81	10
1449	Membrane fouling properties in a submerged membrane bioreactor for saline wastewater treatment at high ammonium content. 2015 , 53, 1735-1743	2
1448	Evaluation of aerobic co-composting of penicillin fermentation fungi residue with pig manure on penicillin degradation, microbial population dynamics and composting maturity. 2015 , 198, 403-9	37
1447	Competitive adsorption of heavy metals by extracellular polymeric substances extracted from <i>Klebsiella</i> sp. J1. 2015 , 196, 533-9	63
1446	Contributions of spatial, temporal, and treatment impacts on natural organic matter character using fluorescence-based measures. 2015 , 15, 589-598	1
1445	The effect of sediment mixing on mercury dynamics in two intertidal mudflats at Great Bay Estuary, New Hampshire, USA. 2015 , 177, 731-741	6
1444	Bacterial growth during the start-up period of pilot-scale biological activated carbon filters: Effects of residual ozone and chlorine and backwash intervals. 2015 , 50, 1640-1647	21
1443	The effect of continuous Ni(II) exposure on the organic degradation and soluble microbial product (SMP) formation in two-phase anaerobic reactor. 2015 , 33, 78-87	16
1442	Electrical energy production from forest detritus in a forested wetland using microbial fuel cells. 2015 , 7, 244-252	21
1441	Organic substances interfere with reverse transcription-quantitative PCR-based virus detection in water samples. 2015 , 81, 1585-93	20
1440	Aggregation behavior of engineered nanoparticles and their impact on activated sludge in wastewater treatment. 2015 , 119, 568-576	76

1439	Improved volatile fatty acid production during waste activated sludge anaerobic fermentation by different bio-surfactants. 2015 , 264, 280-290	117
1438	Treatment of secondary effluent from a petrochemical wastewater treatment plant by ozonation-biological aerated filter. 2015 , 90, 543-549	27
1437	Terminating pre-ozonation prior to biological activated carbon filtration results in increased formation of nitrogenous disinfection by-products upon subsequent chlorination. 2015 , 121, 33-8	35
1436	Specific component comparison of extracellular polymeric substances (EPS) in flocs and granular sludge using EEM and SDS-PAGE. 2015 , 121, 26-32	149
1435	Understanding the evolution of stratified extracellular polymeric substances in full-scale activated sludges in relation to dewaterability. 2015 , 5, 1282-1294	54
1434	Novel technologies for reverse osmosis concentrate treatment: a review. 2015 , 150, 322-335	90
1433	Performance and fate of organics in a pilot MBR-NF for treating antibiotic production wastewater with recycling NF concentrate. 2015 , 121, 92-100	41
1432	Effects of natural organic matter on separation of the hydroxylated fullerene nanoparticles by cross-flow ultrafiltration membranes from water. 2015 , 140, 61-68	7
1431	A comparison of different pretreatments on hydrogen fermentation from waste sludge by fluorescence excitation-emission matrix with regional integration analysis. 2015 , 40, 197-208	52
1430	The development of a natural heating technology for constructed wetlands in cold climates. 2015 , 75, 51-60	14
1429	Application of surrogates, indicators, and high-resolution mass spectrometry to evaluate the efficacy of UV processes for attenuation of emerging contaminants in water. 2015 , 282, 75-85	38
1428	Advanced treatment of textile dyeing secondary effluent using magnetic anion exchange resin and its effect on organic fouling in subsequent RO membrane. 2015 , 284, 50-7	45
1427	Characterization of NOM. 2015 , 17-53	18
1426	Nitrosamines in pilot-scale and full-scale wastewater treatment plants with ozonation. 2015 , 72, 251-61	86
1425	Freezing/thawing pretreatment coupled with biological process of thermophilic <i>Geobacillus</i> sp. G1: Acceleration on waste activated sludge hydrolysis and acidification. 2015 , 175, 509-16	71
1424	Shale gas produced water treatment using innovative microbial capacitive desalination cell. 2015 , 283, 847-55	77
1423	Enhanced removal of nitrate using starch/PCL blends as solid carbon source in a constructed wetland. 2015 , 175, 239-44	76
1422	A case study of fouling development and flux reversibility of treating actual lake water by forward osmosis process. 2015 , 357, 55-64	34

1421	A novel approach for improving the drying behavior of sludge by the appropriate foaming pretreatment. 2015 , 68, 667-9	23
1420	The effect of photocatalytic oxidation on molecular size distribution profiles of humic acid. 2015 , 14, 576-82	13
1419	A membrane combined process to cope with algae blooms in water. 2015 , 355, 99-109	39
1418	A comparative study of biological activated carbon, granular activated carbon and coagulation feed pre-treatment for improving microfiltration performance in wastewater reclamation. 2015 , 475, 147-155	26
1417	Characterization of fluorescent-dissolved organic matter and identification of specific fluorophores in textile effluents. 2015 , 22, 4183-9	26
1416	Preparation of poly(vinylidene fluoride) membranes with graphene oxide addition for natural organic matter removal. 2015 , 473, 54-62	133
1415	Treatment of municipal wastewater reverse osmosis concentrate using UVC-LED/H ₂ O ₂ with and without coagulation pre-treatment. 2015 , 260, 649-656	54
1414	Extraction procedure optimization and the characteristics of dissolved extracellular organic matter (dEOM) and bound extracellular organic matter (bEOM) from <i>Chlorella pyrenoidosa</i> . 2015 , 125, 238-46	44
1413	Combination of MIEX [®] resin and ozonation for reduction of dissolved organic matter during aquifer recharge using municipal effluent. 2015 , 73, 7781-7787	2
1412	Reclaimed water quality during simulated ozone-managed aquifer recharge hybrid. 2015 , 73, 7795-7802	3
1411	Disinfection of potable water sources on animal farms and their microbiological safety. 2016 , 61, 173-186	1
1410	Impact of operational parameters on biofiltration performance: organic carbon removal and effluent turbidity. 2016 , 16, 1683-1692	4
1409	Compost Process and Organic Fertilizers Application in China. 2016 ,	4
1408	Long-Term Comparison of Disinfection By-Product Formation Potential in a Full Scale Treatment Plant Utilizing a Multi-Coagulant Drinking Water Treatment Scheme. 2016 , 8, 318	2
1407	Hydrolytic Amino Acids Employed as a Novel Organic Nitrogen Source for the Preparation of PGPF-Containing Bio-Organic Fertilizer for Plant Growth Promotion and Characterization of Substance Transformation during BOF Production. 2016 , 11, e0149447	10
1406	The removal process of 2,2-dichloroacetamide (DCAcAm), a new disinfection by-product, in drinking water treatment process and its toxicity on zebrafish. 2016 , 159, 403-411	20
1405	Characterization of soluble microbial products (SMPs) in a membrane bioreactor (MBR) treating synthetic wastewater containing pharmaceutical compounds. 2016 , 102, 594-606	67
1404	Effects of Organic Matter Removal from a Wastewater Secondary Effluent by Aluminum Sulfate Coagulation on Haloacetic Acids Formation. 2016 , 33, 484-493	9

1403	Advanced nitrogen removal from landfill leachate via Anammox system based on Sequencing Biofilm Batch Reactor (SBBR): Effective protection of biofilm. 2016 , 220, 8-16	63
1402	The presence of aliphatic and aromatic amines in reservoir and canal water as precursors to disinfection by-products. 2016 , 51, 900-13	8
1401	Evaluation of forward osmosis membrane performance by using wastewater treatment plant effluents as feed solution. 2016 , 57, 26657-26669	11
1400	The color removal and fate of organic pollutants in a pilot-scale MBR-NF combined process treating textile wastewater with high water recovery. 2016 , 73, 1426-33	10
1399	Investigating the Roles of Dissolved Organic Matter on Arsenic Mobilization and Speciation in Environmental Water. 2016 , 44, 818-828	11
1398	Combined Adsorption/Ultrafiltration of Secondary Effluents Using Powdered Zeolites. 2016 , 39, 285-292	4
1397	Release of dissolved organic matter from melting ice. 2016 , 35, 1458-1467	2
1396	Monitoring the fate of fluorescing substances recycled in ultrafiltration process backwash water. 2016 , 65, 541-549	
1395	Influence of filtration velocity on DON variation in BAF for micropolluted surface water treatment. 2016 , 23, 23415-23421	2
1394	Natural ageing process accelerates the release of Ag from functional textile in various exposure scenarios. 2016 , 6, 37314	10
1393	Improvement of an integrated system of membrane bioreactor and worm reactor by phosphorus removal using additional post-chemical treatment. 2016 , 74, 2202-2210	
1392	Characterization of dissolved organic matter in the secondary effluent of pulp and paper mill wastewater before and after coagulation treatment. 2016 , 74, 1346-1353	9
1391	H ₂ S emission in sludge conditioning with different inorganic salt coagulants and its relationships with sludge properties. 2016 , 6, 83060-83068	3
1390	Advanced treatment of effluents from an industrial park wastewater treatment plant by ferrous ion activated persulfate oxidation process. 2016 , 74, 535-41	7
1389	Algal activity of dissolved organic nitrogen (DON) in the sediments of Lake Taihu, Eastern China. 2016 , 75, 1	5
1388	Comparison of NF membrane fouling and cleaning by two pretreatment strategies for the advanced treatment of antibiotic production wastewater. 2016 , 73, 2260-7	1
1387	3DEEM spectroscopy analysis to assess the EPS composition in different carriers in HMBR systems. 2016 , 74, 2708-2716	4
1386	Utilization of artificial recharged effluent as makeup water for industrial cooling system: corrosion and scaling. 2016 , 73, 2559-69	3

1385	A Fluorescence Approach to Assess the Production of Soluble Microbial Products from Aerobic Granular Sludge Under the Stress of 2,4-Dichlorophenol. 2016 , 6, 24444	15
1384	Characterizing fluorescent dissolved organic matter in a membrane bioreactor via excitation-emission matrix combined with parallel factor analysis. 2016 , 209, 31-9	63
1383	Fluorescence characteristics of molecular weight fractions of dissolved organic matter derived from composts. 2016 , 113, 187-194	39
1382	Hydrophilic Fe ₂ O ₃ dynamic membrane mitigating fouling of support ceramic membrane in ultrafiltration of oil/water emulsion. 2016 , 165, 1-9	58
1381	Effect of freezing/thawing on dissolved organic matter in water. 2016 , 57, 17230-17240	4
1380	Enhanced phosphorus flux from overlying water to sediment in a bioelectrochemical system. 2016 , 216, 182-7	14
1379	Characteristics and trihalomethane formation reactivity of dissolved organic matter in effluents from membrane bioreactors with and without filamentous bulking. 2016 , 211, 183-9	12
1378	Recovery of excitation-emission fluorescence spectroscopy based on structural similarity. 2016 , 156, 54-61	1
1377	Predicting trace organic compound attenuation with spectroscopic parameters in powdered activated carbon processes. 2016 , 156, 163-171	28
1376	Characterization of dissolved organic nitrogen in wet deposition from Lake Erhai basin by using ultrahigh resolution FT-ICR mass spectrometry. 2016 , 156, 438-445	12
1375	Preparation and characterization of a novel hydrophilic poly(vinylidene fluoride) filtration membrane incorporated with ZnAl layered double hydroxides. 2016 , 39, 37-47	19
1374	Identification of nitrate sources in groundwater using a stable isotope and 3DEEM in a landfill in Northeast China. 2016 , 563-564, 593-9	24
1373	Efficacy of hybrid adsorption/membrane pretreatment for low pressure membrane. 2016 , 99, 263-271	14
1372	rRNA Gene Expression of Abundant and Rare Activated-Sludge Microorganisms and Growth Rate Induced Micropollutant Removal. <i>Environmental Science & Technology</i> , 2016 , 50, 6299-309	10.3 40
1371	Bacteriological control by Raoultella sp. R11 on growth and toxins production of Microcystis aeruginosa. 2016 , 293, 139-150	20
1370	Membrane fouling in ultrafiltration of natural water after pretreatment to different extents. 2016 , 43, 234-243	23
1369	Co-treatment of fruit and vegetable waste in sludge digesters: Chemical and spectroscopic investigation by fluorescence and Fourier transform infrared spectroscopy. 2016 , 50, 283-9	14
1368	Elimination of disinfection byproduct formation potential in reclaimed water during solar light irradiation. 2016 , 95, 260-7	25

1367	Effects of returning NF concentrate on the MBR-NF process treating antibiotic production wastewater. 2016 , 23, 13114-27	4
1366	Effects of perfluorooctane sulfonate on the conformation and activity of bovine serum albumin. 2016 , 159, 66-73	17
1365	Preparation of dual-function starch-based flocculants for the simultaneous removal of turbidity and inhibition of Escherichia coli in water. 2016 , 98, 128-37	57
1364	Characteristics of foulants of forward osmosis membranes used in municipal wastewater concentration processes. 2016 , 57, 26383-26391	5
1363	Roxarsone binding to soil-derived dissolved organic matter: Insights from multi-spectroscopic techniques. 2016 , 155, 225-233	61
1362	Effects of DO levels on surface force, cell membrane properties and microbial community dynamics of activated sludge. 2016 , 214, 645-652	24
1361	Assessment of maturity during co-composting of penicillin mycelial dreg via fluorescence excitation-emission matrix spectra: Characteristics of chemical and fluorescent parameters of water-extractable organic matter. 2016 , 155, 358-366	25
1360	Assessing the stability in composting of penicillin mycelial dreg via parallel factor (PARAFAC) analysis of fluorescence excitation-emission matrix (EEM). 2016 , 299, 167-176	44
1359	Important fractions of organic matter causing fouling of seawater reverse osmosis (SWRO) membranes. 2016 , 390, 72-80	19
1358	Thermophilic digestion of waste-activated sludge coupled with solar pond. 2016 , 98, 142-147	10
1357	Analysis of trihalomethane precursor removal from sub-tropical reservoir waters by a magnetic ion exchange resin using a combined method of chloride concentration variation and surrogate organic molecules. 2016 , 539, 165-174	24
1356	Emerging investigators series: prediction of trace organic contaminant abatement with UV/H ₂ O ₂ : development and validation of semi-empirical models for municipal wastewater effluents. 2016 , 2, 460-473	20
1355	Addressing the role of earthworms in treating domestic wastewater by analyzing biofilm modification through chemical and spectroscopic methods. 2016 , 23, 4768-77	18
1354	Characteristics of extracellular polymeric substances from sludge and biofilm in a simultaneous nitrification and denitrification system under high salinity stress. 2016 , 39, 1375-89	29
1353	Effect of pre-ozonation on mitigation of ceramic UF membrane fouling caused by algal extracellular organic matters. 2016 , 294, 157-166	81
1352	Light Absorption and Excitation-Emission Fluorescence of Urban Organic Aerosol Components and Their Relationship to Chemical Structure. <i>Environmental Science & Technology</i> , 2016 , 50, 10859-10868 ^{10.3}	87
1351	Polyamide nanofiltration membranes modified with ZnAl layered double hydroxides for natural organic matter removal. 2016 , 132, 84-92	31
1350	Characterization of key organic compounds affecting sludge dewaterability during ultrasonication and acidification treatments. 2016 , 105, 470-478	114

1349	Behaviour of fouling-related components in an enhanced membrane bioreactor using marine activated sludge. 2016 , 220, 401-406	11
1348	Performance and microbial community of a sequencing batch biofilm reactor treating synthetic mariculture wastewater under long-term exposure to norfloxacin. 2016 , 222, 139-147	52
1347	Influence of volumetric reduction factor during ozonation of nanofiltration concentrates for wastewater reuse. 2016 , 165, 497-506	17
1346	Tracking changes in fluorescent organic composition in leachates using excitation emission matrix-parallel factor analysis. 2016 , 104, 507-516	6
1345	Synchronous fluorescence spectroscopy combined with two-dimensional correlation and principle component analysis to characterize dissolved organic matter in an urban river. 2016 , 188, 579	9
1344	Can fluorescence spectrometry be used as a surrogate for predicting the dissolved organic nitrogen and its bioavailable portion in wastewater effluents?. 2016 , 164, 299-303	12
1343	Responses of soluble microbial products and extracellular polymeric substances to the presence of toxic 2,6-dichlorophenol in aerobic granular sludge system. 2016 , 183, 594-600	31
1342	Water quality following extensive beetle-induced tree mortality: Interplay of aromatic carbon loading, disinfection byproducts, and hydrologic drivers. 2016 , 572, 649-659	13
1341	Effects of water chemistry on decolorization in three photochemical processes: Pro and cons of the UV/AA process. 2016 , 105, 568-574	11
1340	Simultaneous removal of ammonia and hydrogen sulfide gases using biofilter media from the biodehydration stage and curing stage of composting. 2016 , 23, 20628-20636	20
1339	Characterization of coupling autotrophic denitrification with iron cycle bacterium <i>Enterobacter</i> sp. CC76 and its application of groundwater. 2016 , 66, 106-114	14
1338	The effectiveness of coagulation for water reclamation from a wastewater treatment plant that has a long hydraulic and sludge retention times: A case study. 2016 , 157, 224-31	30
1337	Study on the oxidative characteristics of organics in bio-treated textile wastewater by VUV/US/O ₃ process. 2016 , 306, 560-567	17
1336	Effect of dissolved organic matter on Fe(II) oxidation in natural and engineered waters. 2016 , 103, 160-169	21
1335	Fouling evaluation and mechanisms in a FO-RO hybrid process for direct potable reuse. 2016 , 520, 89-98	49
1334	Investigating the effect of landfill leachates on the characteristics of dissolved organic matter in groundwater using excitation-emission matrix fluorescence spectra coupled with fluorescence regional integration and self-organizing map. 2016 , 23, 21229-21237	12
1333	Impact of Anodic Respiration on Biopolymer Production and Consequent Membrane Fouling. <i>Environmental Science & Technology</i> , 2016 , 50, 9515-23	10.3 13
1332	Hydrological conditions regulate dissolved organic matter quality in an intermittent headwater stream. From drought to storm analysis. 2016 , 571, 1358-69	39

1331	Generation of dissolved organic matter and byproducts from activated sludge during contact with sodium hypochlorite and its implications to on-line chemical cleaning in MBR. 2016 , 104, 44-52	54
1330	Ozonation effects on emerging micropollutants and effluent organic matter in wastewater: characterization using changes of three-dimensional HP-SEC and EEM fluorescence data. 2016 , 23, 20567-20579 ¹⁶	
1329	Using multi-tracer inference to move beyond single-catchment ecohydrology. 2016 , 160, 19-42	105
1328	The effects of denitrification with sludge alkaline fermentation liquid and thermal hydrolysis liquid as carbon sources. 2016 , 6, 72333-72341	11
1327	Effect of inoculation with multiple composite microorganisms on characteristics of humic fractions and bacterial community structure during biogas residue and livestock manure co-composting. 2016 , 91, 155-164	14
1326	Removal of humic substances from reverse osmosis (RO) and nanofiltration (NF) concentrated leachate using continuously ozone generation-reaction treatment equipment. 2016 , 56, 271-9	93
1325	Role of NOM molecular size on iodo-trihalomethane formation during chlorination and chloramination. 2016 , 102, 533-541	23
1324	Enhanced anaerobic degradation of Fischer-Tropsch wastewater by integrated UASB system with Fe-C micro-electrolysis assisted. 2016 , 164, 14-24	42
1323	Interactions of metal oxide nanoparticles with extracellular polymeric substances (EPS) of algal aggregates in an eutrophic ecosystem. 2016 , 94, 464-470	26
1322	Long-term effects of CuO nanoparticles on the surface physicochemical properties of biofilms in a sequencing batch biofilm reactor. 2016 , 100, 9629-9639	18
1321	Reduction of disinfection by-product precursors in reservoir water by coagulation and ultrafiltration. 2016 , 23, 22914-22923	17
1320	Algal uptake of dissolved organic nitrogen in wastewater treatment plants. 2016 , 50, 56-64	10
1319	Effects of varying the ratio of cooked to uncooked potato on the microbial fuel cell treatment of common potato waste. 2016 , 569-570, 841-849	15
1318	Fouling and Cake Behavior of Algal Organic Foulants on Microfiltration Membranes in Various Growth Phases. 2016 , 44, 1661-1671	1
1317	Limited effects of land use on soil dissolved organic matter chemistry as assessed by excitation-emission fluorescence spectroscopy and molecular weight fractionation. 2016 , 32, 662-665	2
1316	Effect of operation parameters on the flux stabilization of gravity-driven membrane (GDM) filtration system for decentralized water supply. 2016 , 23, 16771-80	30
1315	Structural and functional properties of organic matters in extracellular polymeric substances (EPS) and dissolved organic matters (DOM) after heat pretreatment with waste sludge. 2016 , 219, 614-623	54
1314	Performance evaluation and microbial community of a sequencing batch biofilm reactor (SBBR) treating mariculture wastewater at different chlortetracycline concentrations. 2016 , 182, 496-504	29

1313	Modeling optimization and evaluation of tightly bound extracellular polymeric substances extraction by sonication. 2016 , 100, 8485-94	8
1312	Characterization of natural organic matter in drinking water: Sample preparation and analytical approaches. 2016 , 12, 23-30	35
1311	Fate and fouling characteristics of fluorescent dissolved organic matter in ultrafiltration of terrestrial humic substances. 2016 , 165, 126-133	27
1310	A new biological process for short-chain fatty acid generation from waste activated sludge improved by Clostridiales enhancement. 2016 , 23, 23972-23982	9
1309	Three-dimensional fluorescence excitation-emission matrix (EEM) spectroscopy with regional integration analysis for assessing waste sludge hydrolysis at different pretreated temperatures. 2016 , 23, 24061-24067	30
1308	In situ activity recovery of aging biofilm in biological aerated filter: Surfactants treatment and mechanisms study. 2016 , 219, 403-410	13
1307	Lead Polluted Hotspot: Environmental Implication of Unplanned Industrial Development. 2016 , 10, 51-60	1
1306	Kinetics of natural organic matter (NOM) removal during drinking water biofiltration using different NOM characterization approaches. 2016 , 104, 361-370	40
1305	Evaluation of the removal of antiestrogens and antiandrogens via ozone and granular activated carbon using bioassay and fluorescent spectroscopy. 2016 , 153, 346-55	10
1304	Hybrid membrane bio-systems for sustainable treatment of oil and gas produced water and fracturing flowback water. 2016 , 171, 297-311	70
1303	Characterization of Dissolved Organic Matter in Lake Baiyangdian Using Spectroscopic Techniques and Multivariate Statistical Analysis. 2016 , 44, 1444-1452	3
1302	Advanced nitrogen removal using bio-refractory organics as carbon source for biological treatment of landfill leachate. 2016 , 170, 306-313	33
1301	Insights into the interaction between carbamazepine and natural dissolved organic matter in the Yangtze Estuary using fluorescence excitation-emission matrix spectra coupled with parallel factor analysis. 2016 , 23, 19887-96	11
1300	Advanced landfill leachate treatment using iron-carbon microelectrolysis- Fenton process: Process optimization and column experiments. 2016 , 318, 460-467	65
1299	Generation of soluble microbial products by bio-activated carbon filter during drinking water advanced treatment and its influence on spectral characteristics. 2016 , 569-570, 1289-1298	16
1298	The impact of silver and titanium dioxide nanoparticles on the in-vessel composting of municipal solid waste. 2016 , 56, 71-8	16
1297	The effect of algae species on the bioelectricity and biodiesel generation through open-air cathode microbial fuel cell with kitchen waste anaerobically digested effluent as substrate. 2016 , 218, 902-8	45
1296	Hydrological changes of DOM composition and biodegradability of rivers in temperate monsoon climates. 2016 , 540, 538-548	32

1295	Enhancement of waste activated sludge dewaterability using calcium peroxide pre-oxidation and chemical re-flocculation. 2016 , 103, 170-181	131
1294	Characteristic Study of Dissolved Organic Matter for Electron Transfer Capacity during Initial Landfill Stage. 2016 , 44, 1568-1574	8
1293	Linking optical properties of dissolved organic matter to multiple processes at the coastal plume zone in the East China Sea. 2016 , 18, 1316-1324	3
1292	The effects of different carriers on removal performance and membrane fouling by HMBR in treating sewage with low carbon-to-nitrogen ratio. 2016 , 102, 768-776	12
1291	Composition, structural characteristics and indication of water quality of dissolved organic matter in Dongting Lake sediments. 2016 , 97, 370-380	14
1290	Multiple response optimization of the coagulation process for upgrading the quality of effluent from municipal wastewater treatment plant. 2016 , 6, 26115	13
1289	Removal of phosphorus from anaerobic membrane bioreactor effluent by ion exchange resin. 2016 , 51, 2833-2843	10
1288	Synergistic effects of dissolved organic carbon and inorganic nitrogen on methane uptake in forest soils without and with freezing treatment. 2016 , 6, 32555	10
1287	Recycling <i>Nannochloropsis oceanica</i> culture media and growth inhibitors characterization. 2016 , 20, 282-290	31
1286	Enhancing sewage sludge anaerobic Be-digestion with combinations of ultrasonic, ozone and alkaline treatments. 2016 , 4, 4801-4807	20
1285	Composition and aggregation of extracellular polymeric substances (EPS) in hyperhaline and municipal wastewater treatment plants. 2016 , 6, 26721	37
1284	Enhanced waste activated sludge digestion using a submerged anaerobic dynamic membrane bioreactor: performance, sludge characteristics and microbial community. 2016 , 6, 20111	34
1283	Composition analysis of fractions of extracellular polymeric substances from an activated sludge culture and identification of dominant forces affecting microbial aggregation. 2016 , 6, 28391	44
1282	Removal efficiency of MIEX pretreatment on typical proteins and amino acids derived from <i>Microcystis aeruginosa</i> . 2016 , 6, 60869-60876	2
1281	Micro-coagulation effects on direct ultrafiltration of challenging raw river water. 2016 , 91, 2959-2973	6
1280	Effect of Worm Predation on Changes in Waste Activated Sludge Properties. 2016 , 88, 387-93	4
1279	Emerging investigators series: disinfection by-products in mixed chlorine dioxide and chlorine water treatment. 2016 , 2, 838-847	13
1278	Rapid removal of bacterial endotoxin and natural organic matter in water by dielectric barrier discharge plasma: Efficiency and toxicity assessment. 2016 , 318, 15-23	18

1277	Characterization of haloacetaldehyde and trihalomethane formation potentials during drinking water treatment. 2016 , 159, 378-384	26
1276	Effects of iron on growth, antioxidant enzyme activity, bound extracellular polymeric substances and microcystin production of <i>Microcystis aeruginosa</i> FACHB-905. 2016 , 132, 231-9	26
1275	Treatment performance and membrane fouling characteristics of inclined-tube anoxic/aerobic membrane bioreactor applied to municipal solid waste leachate. 2016 , 57, 29201-29211	8
1274	Structure modification and extracellular polymeric substances conversion during sewage sludge biodrying process. 2016 , 216, 414-21	21
1273	Interaction of arsenic species with tropical river aquatic humic substances enriched with aluminum and iron. 2016 , 23, 6205-16	6
1272	Biosorption of effluent organic matter onto magnetic biochar composite: Behavior of fluorescent components and their binding properties. 2016 , 214, 259-265	16
1271	Using a novel hydrogen-terminated porous Si wafer to enhance <i>Microcystis aeruginosa</i> effective removal by chitosan at a low dosage. 2016 , 499, 88-96	14
1270	Inactivation of <i>Microcystis aeruginosa</i> by hydrogen-terminated porous Si wafer: Performance and mechanisms. 2016 , 158, 23-9	19
1269	The effects of organic fouling on the removal of radionuclides by reverse osmosis membranes. 2016 , 95, 174-84	52
1268	Association between arsenic and different-sized dissolved organic matter in the groundwater of black-foot disease area, Taiwan. 2016 , 159, 214-220	14
1267	Application of Classification Trees for Predicting Disinfection By-Product Formation Targets from Source Water Characteristics. 2016 , 33, 455-470	10
1266	Role of polarity fractions of effluent organic matter in binding and toxicity of silver and copper. 2016 , 317, 344-351	14
1265	Enzyme disintegration with spatial resolution reveals different distributions of sludge extracellular polymer substances. 2016 , 9, 29	25
1264	Evaluation of the treatment of reverse osmosis concentrates from municipal wastewater reclamation by coagulation and granular activated carbon adsorption. 2016 , 23, 13543-53	9
1263	HAOPs pretreatment to reduce membrane fouling: Foulant identification, removal, and interactions. 2016 , 515, 219-229	10
1262	Acute toxicity and chemical evaluation of coking wastewater under biological and advanced physicochemical treatment processes. 2016 , 23, 18343-52	20
1261	A facile TiO ₂ /PVDF composite membrane synthesis and their application in water purification. 2016 , 18, 1	16
1260	Electricity generation from food wastes and characteristics of organic matters in microbial fuel cell. 2016 , 205, 104-10	44

1259	Advanced treatment of municipal wastewater by nanofiltration: Operational optimization and membrane fouling analysis. 2016 , 43, 106-117	16
1258	Degradation of extracellular polymeric substances (EPS) extracted from activated sludge by low-concentration ozonation. 2016 , 147, 248-55	52
1257	Long-term operation of biological activated carbon pre-treatment for microfiltration of secondary effluent: Correlation between the organic foulants and fouling potential. 2016 , 90, 405-414	21
1256	Removal of fluorescence and ultraviolet absorbance of dissolved organic matter in reclaimed water by solar light. 2016 , 43, 118-127	19
1255	Soluble Algal Products (SAPs) in large scale cultivation of microalgae for biomass/bioenergy production: A review. 2016 , 59, 141-148	42
1254	Variations in distribution and composition of extracellular polymeric substances (EPS) of biological sludge under potassium ferrate conditioning: Effects of pH and ferrate dosage. 2016 , 106, 37-47	73
1253	Selective simplification and reinforcement of microbial community in autothermal thermophilic aerobic digestion to enhancing stabilization process of sewage sludge by conditioning with ferric nitrate. 2016 , 204, 106-113	13
1252	Characterization of dissolved organic matter for prediction of trihalomethane formation potential in surface and sub-surface waters. 2016 , 308, 430-9	23
1251	Differences in spectroscopic characteristics between dissolved and particulate organic matters in sediments: Insight into distribution behavior of sediment organic matter. 2016 , 547, 1-8	36
1250	High-rate thermophilic bio-methanation of the fine sieved fraction from Dutch municipal raw sewage: Cost-effective potentials for on-site energy recovery. 2016 , 165, 569-582	24
1249	Evaluation of energy-distribution of a hybrid microbial fuel cell-membrane bioreactor (MFC-MBR) for cost-effective wastewater treatment. 2016 , 200, 420-5	56
1248	Alkali-solubilized organic matter from sludge and its degradability in the anaerobic process. 2016 , 200, 579-86	50
1247	Treatability of organic matter derived from surface and subsurface waters of drinking water catchments. 2016 , 144, 1193-200	6
1246	Combination of Na-modified zeolite and anion exchange resin for advanced treatment of a high ammonia-nitrogen content municipal effluent. 2016 , 468, 128-135	43
1245	Influence of wastewater sludge treatment using combined peroxyacetic acid oxidation and inorganic coagulants re-flocculation on characteristics of extracellular polymeric substances (EPS). 2016 , 88, 728-739	162
1244	Distribution of Polycyclic Aromatic Hydrocarbons (PAHs) in sludge organic matter pools as a driving force of their fate during anaerobic digestion. 2016 , 48, 389-396	32
1243	Odor Events in Surface and Treated Water: The Case of 1,3-Dioxane Related Compounds. <i>Environmental Science & Technology</i> , 2016 , 50, 62-9	10.3 13
1242	Improvement of settleability and dewaterability of sludge by newly prepared alkaline ferrate solution. 2016 , 287, 11-18	65

1241	Comparison of chlorination and chloramination in carbonaceous and nitrogenous disinfection byproduct formation potentials with prolonged contact time. 2016 , 88, 661-670	36
1240	Migration and distribution of water and organic matter for activated sludge during coupling magnetic conditioning-horizontal electro-dewatering (CM-HED). 2016 , 88, 93-103	37
1239	The effect of natural organic matter on bioaccumulation and toxicity of chlorobenzenes to green algae. 2016 , 311, 186-93	26
1238	Changes and characteristics of dissolved organic matter in a constructed wetland system using fluorescence spectroscopy. 2016 , 23, 12237-45	30
1237	Spectroscopic characterization of dissolved organic matter derived from different biochars and their polycyclic aromatic hydrocarbons (PAHs) binding affinity. 2016 , 152, 399-406	78
1236	Performance comparison of biofilm and suspended sludge from a sequencing batch biofilm reactor treating mariculture wastewater under oxytetracycline stress. 2016 , 37, 2391-404	11
1235	Treatment of pharmaceutical wastewater using interior micro-electrolysis/Fenton oxidation-coagulation and biological degradation. 2016 , 152, 23-30	74
1234	Evaluation of organic matter characteristics of FO and RO concentrates. 2016 , 57, 24606-24614	4
1233	Formation of haloacetonitriles and haloacetamides and their precursors during chlorination of secondary effluents. 2016 , 144, 297-303	30
1232	New insight into fouling behavior and foulants accumulation property of cake sludge in a full-scale membrane bioreactor. 2016 , 510, 10-17	37
1231	Alleviation of membrane fouling in a submerged membrane bioreactor with electrochemical oxidation mediated by in-situ free chlorine generation. 2016 , 96, 52-61	41
1230	C-, N-DBP formation and quantification by differential spectra in MBR treated municipal wastewater exposed to chlorine and chloramine. 2016 , 291, 55-63	8
1229	Tertiary nitrogen removal for municipal wastewater using a solid-phase denitrifying biofilter with polycaprolactone as the carbon source and filtration medium. 2016 , 93, 74-83	82
1228	The synthetic effect on volatile fatty acid disinhibition and methane production enhancement by dosing FeCl ₃ in a sludge thermophilic anaerobic digestion system. 2016 , 6, 21090-21098	18
1227	Imaging Pseudomonas aeruginosa Biofilm Extracellular Polymer Scaffolds with Amphiphilic Carbon Dots. 2016 , 11, 1265-70	33
1226	Composition and morphology characterization of exopolymeric substances produced by the PAH-degrading fungus of Mucor mucedo. 2016 , 23, 8421-30	9
1225	Advanced treatment of stabilized landfill leachate after biochemical process with hydrocalumite chloride (Ca/Al-Cl LDH). 2016 , 210, 131-7	17
1224	Developing LED UV fluorescence sensors for online monitoring DOM and predicting DBPs formation potential during water treatment. 2016 , 93, 1-9	69

1223	Dewatering of drinking water treatment sludge using the Fenton-like process induced by electro-osmosis. 2016 , 293, 207-215	26
1222	Extracellular polymeric substances, microbial activity and microbial community of biofilm and suspended sludge at different divalent cadmium concentrations. 2016 , 205, 213-21	37
1221	Characterizing the compositional variation of dissolved organic matter over hydrophobicity and polarity using fluorescence spectra combined with principal component analysis and two-dimensional correlation technique. 2016 , 23, 9237-44	11
1220	Enhanced dewaterability of waste activated sludge by Fe(II)-activated peroxymonosulfate oxidation. 2016 , 206, 134-140	127
1219	Catalytic ozonation of organic pollutants from bio-treated dyeing and finishing wastewater using recycled waste iron shavings as a catalyst: Removal and pathways. 2016 , 92, 140-8	113
1218	Characterization of membrane fouling in submerged ceramic membrane photobioreactors fed with effluent from membrane bioreactors. 2016 , 290, 91-102	45
1217	Enhanced dewatering of waste-activated sludge by composite hydrolysis enzymes. 2016 , 39, 627-39	26
1216	Application of a CO ₂ -stripping system for calcium removal to upgrade organic matter removal and sludge granulation in a leachate-fed EGSB bioreactor. 2016 , 6, 9286-9296	7
1215	Characterization of soluble microbial products in a drinking water biological aerated filter. 2016 , 23, 8721-30	4
1214	Heavy metal variation and characterization change of dissolved organic matter (DOM) obtained from composting or vermicomposting pig manure amended with maize straw. 2016 , 23, 12128-39	13
1213	Study on poultry manure wastewater treatment by two-stage aerobic coupled process and its microbial community analysis. 2016 , 110, 107-114	8
1212	Prediction of disinfection by-product formation in drinking water via fluorescence spectroscopy. 2016 , 2, 383-389	19
1211	Effect of long-term application of corn stalks and inorganic fertilizers on fluorescence characteristics of water extractable organic matter in a meadow black soil of northeast China. 2016 , 98, 541-550	1
1210	Control of dissolved organic matter fouling ultrafiltration membrane treating a WWTP secondary effluent via multi-pretreatments. 2016 , 57, 22223-22231	
1209	Characterization of persistent colors and decolorization of effluent from biologically treated cellulosic ethanol production wastewater. 2016 , 23, 10215-22	18
1208	Identifying the major fluorescent components responsible for ultrafiltration membrane fouling in different water sources. 2016 , 45, 215-23	9
1207	Natural organic matter fouling behaviors on superwetting nanofiltration membranes. 2016 , 93, 121-132	27
1206	Fluorescence properties of dissolved organic matter as a function of hydrophobicity and molecular weight: case studies from two membrane bioreactors and an oxidation ditch. 2016 , 6, 24050-24059	36

1205	Enhanced bioreduction of iron and arsenic in sediment by biochar amendment influencing microbial community composition and dissolved organic matter content and composition. 2016 , 311, 20-9	132
1204	Effects of physicochemical properties of poly-ε-caprolactone on nitrate removal efficiency during solid-phase denitrification. 2016 , 283, 604-613	44
1203	Response of sludge fermentation liquid and microbial community to nano zero-valent iron exposure in a mesophilic anaerobic digestion system. 2016 , 6, 24236-24244	33
1202	Characteristics of estrogenic/antiestrogenic activities during the anoxic/aerobic biotreatment process of simulated textile dyeing wastewater. 2016 , 6, 25624-25632	7
1201	Effect of nitrogen/phosphorus concentration on algal organic matter generation of the diatom <i>Nitzschia palea</i> : Total indicators and spectroscopic characterization. 2016 , 47, 130-142	8
1200	Characterizing the interaction between uranyl ion and fulvic acid using regional integration analysis (RIA) and fluorescence quenching. 2016 , 153, 97-103	11
1199	Mitigated membrane fouling of anammox membrane bioreactor by microbiological immobilization. 2016 , 201, 312-8	27
1198	Microwave-acid pretreatment: A potential process for enhancing sludge dewaterability. 2016 , 90, 225-234	129
1197	Fouling characteristics of reverse osmosis membranes at different positions of a full-scale plant for municipal wastewater reclamation. 2016 , 90, 329-336	81
1196	Photochemistry of Dissolved Black Carbon Released from Biochar: Reactive Oxygen Species Generation and Phototransformation. <i>Environmental Science & Technology</i> , 2016 , 50, 1218-26	103 148
1195	Analysis of dissolved organic matter fluorescence using self-organizing maps: mini-review and tutorial. 2016 , 8, 716-725	23
1194	Effects of potassium peroxymonosulfate on disintegration of waste sludge and properties of extracellular polymeric substances. 2016 , 106, 170-177	40
1193	Solubilization augmentation and bacterial community responses triggered by co-digestion of a hydrolytic enzymes blend for facilitating waste activated sludge hydrolysis process. 2016 , 284, 979-988	35
1192	Influence of soil conditions on dissolved organic matter leached from forest and wetland soils: a controlled growth chamber study. 2016 , 23, 5203-13	7
1191	Fluorescence quenching effects of antibiotics on the main components of dissolved organic matter. 2016 , 23, 5667-75	7
1190	Microbial bioavailability of dissolved organic nitrogen (DON) in the sediments of Lake Shankou, Northeastern China. 2016 , 42, 79-88	7
1189	N-nitrosodimethylamine (NDMA) formation during ozonation of wastewater and water treatment polymers. 2016 , 144, 1618-23	29
1188	Removal of cyanide compounds from coking wastewater by ferrous sulfate: Improvement of biodegradability. 2016 , 302, 468-474	55

1187	A new fluorescence index with a fluorescence excitation-emission matrix for dissolved organic matter (DOM) characterization. 2016 , 57, 20270-20282	13
1186	Treatment of an in situ oil sands produced water by polymeric membranes. 2016 , 57, 14869-14887	29
1185	Influence of natural zeolite and nitrification inhibitor on organics degradation and nitrogen transformation during sludge composting. 2016 , 23, 1324-34	23
1184	Using multiple combined analytical techniques to characterize water extractable organic nitrogen from Lake Erhai sediment. 2016 , 542, 344-53	18
1183	Towards stable operation of a dynamic membrane bioreactor (DMBR): Operational process, behavior and retention effect of dynamic membrane. 2016 , 498, 20-29	65
1182	Characterization of organic matter in natural waters by EEM fluorescence properties. 2016 , 57, 2428-2436	5
1181	Biochar increased water holding capacity but accelerated organic carbon leaching from a sloping farmland soil in China. 2016 , 23, 995-1006	94
1180	Three-dimensional excitation-emission matrix fluorescence spectroscopy and fractions of dissolved organic matter change in landfill leachate by biological treatment. 2016 , 23, 793-9	25
1179	Impact of coagulation as a pre-treatment for UVC/H ₂ O ₂ -biological activated carbon treatment of a municipal wastewater reverse osmosis concentrate. 2016 , 88, 12-19	29
1178	The pollutants removal and bacterial community dynamics relationship within a full-scale British Gas/Lurgi coal gasification wastewater treatment using a novel system. 2016 , 200, 103-10	68
1177	Chlorination of <i>Microcystis aeruginosa</i> : cell lyses and incomplete degradation of bioorganic substance. 2016 , 57, 16129-16137	3
1176	An adapted sequential chemical fractionation coupled with UV and fluorescence spectroscopy for calcareous soil organic matter study after compost amendment. 2016 , 124, 139-148	12
1175	Photocatalysis of THM precursors in reclaimed water: the application of TiO ₂ in UV irradiation. 2016 , 57, 9136-9147	2
1174	Fluorescence, absorbance, and ion exchange: coupling analysis with water treatment for improved insight on copper complexation with natural organic matter. 2016 , 57, 6290-6301	
1173	Comparison of Fe/Mn enhanced coagulation and O ₃ -BAC for removing natural organic matter from source waters: a case study. 2016 , 57, 9101-9114	1
1172	Fouling characteristics and cleaning strategies of NF membranes for the advanced treatment of antibiotic production wastewater. 2017 , 24, 8967-8977	9
1171	Simultaneous nitrification and denitrification in a novel membrane bioelectrochemical reactor with low membrane fouling tendency. 2017 , 24, 5106-5117	14
1170	Forward osmosis as a pre-treatment for treating coal seam gas associated water: Flux and fouling behaviour. 2017 , 403, 144-152	27

1169	Performance and mechanism of phycocyanin removal from water by low-frequency ultrasound treatment. 2017 , 34, 214-221	13
1168	Use of fluorescence EEM to monitor the removal of emerging contaminants in full scale wastewater treatment plants. 2017 , 323, 367-376	93
1167	Investigating the spectral characteristic and humification degree of dissolved organic matter in saline-alkali soil using spectroscopic techniques. 2017 , 11, 76-84	15
1166	Microbial nitrate removal by waste iron shavings from the biological and catalytic ozonation treated dyeing and finishing wastewater. 2017 , 7, 3	4
1165	The autofluorescence characteristics of bacterial intracellular and extracellular substances during the operation of anammox reactor. 2017 , 7, 39289	11
1164	Lipid biomarkers and spectroscopic indices for identifying organic matter sources in aquatic environments: A review. 2017 , 112, 58-71	123
1163	Transformation of dissolved organic matter in concentrated leachate from nanofiltration during ozone-based oxidation processes (O, O/HO and O/UV). 2017 , 191, 244-251	70
1162	Transport and humification of dissolved organic matter within a semi-arid floodplain. 2017 , 57, 24-32	16
1161	The characterization of dissolved organic matter extracted from different sources and their influence on cadmium uptake by <i>Microcystis aeruginosa</i> . 2017 , 36, 1856-1863	16
1160	Role of microgel formation in scavenging of chromophoric dissolved organic matter and heavy metals in a river-sea system. 2017 , 328, 12-20	14
1159	Closed hydroponic systems: operational parameters, root exudates occurrence and related water treatment. 2017 , 16, 59-79	24
1158	New insight into the effect of mixed liquor properties changed by pre-ozonation on ceramic UF membrane fouling in wastewater treatment. 2017 , 314, 670-680	40
1157	A low pressure gravity-driven membrane filtration (GDM) system for rainwater recycling: Flux stabilization and removal performance. 2017 , 172, 21-28	34
1156	Influence of attapulgite addition on the biological performance and microbial communities of submerged dynamic membrane bioreactor. 2017 , 7, 488-501	2
1155	The effect of dissolved organic matter on soybean peroxidase-mediated removal of triclosan in water. 2017 , 172, 399-407	11
1154	Advanced treatment of petrochemical secondary effluent by Fenton: performance and organics removal characteristics. 2017 , 75, 1431-1439	6
1153	Enhancing degradation and mineralization of tetracycline using intimately coupled photocatalysis and biodegradation (ICPB). 2017 , 316, 7-14	141
1152	Tracking fluorescent components of dissolved organic matter from soils in large-scale irrigated area. 2017 , 24, 6563-6571	10

1151	Characterization and C-, N-disinfection byproduct formation of dissolved organic matter in MBR and anaerobic-anoxic-oxic (AAO) processes. 2017 , 315, 243-250	22
1150	Interactions between metal ions and the biopolymer in activated sludge: quantification and effects of system pH value. 2017 , 11, 1	12
1149	Temperature-dependent conformational variation of chromophoric dissolved organic matter and its consequent interaction with phenanthrene. 2017 , 222, 23-31	31
1148	Characteristics of water obtained by dewatering cyanobacteria-containing sludge formed during drinking water treatment, including C-, N-disinfection byproduct formation. 2017 , 111, 382-392	27
1147	Source analysis of organic matter in swine wastewater after anaerobic digestion with EEM-PARAFAC. 2017 , 24, 6770-6778	34
1146	Evaluation of starch-based flocculants for the flocculation of dissolved organic matter from textile dyeing secondary wastewater. 2017 , 174, 200-207	47
1145	Reductions of dissolved organic matter and disinfection by-product precursors in full-scale wastewater treatment plants in winter. 2017 , 179, 395-404	16
1144	Impact of metal ions, metal oxides, and nanoparticles on the formation of disinfection byproducts during chlorination. 2017 , 317, 777-792	53
1143	Monitoring UF membrane performance treating surface-groundwater blends: Limitations of FEEM-PARAFAC on the assessment of the organic matter role. 2017 , 317, 961-971	13
1142	Dewatering of activated sludge by forward osmosis (FO) with ultrasound for fouling control. 2017 , 421, 79-88	25
1141	Nitrate-rich agricultural runoff treatment by Vallisneria-sulfur based mixotrophic denitrification process. 2017 , 587-588, 108-117	19
1140	Responses of the Microalga Chlorophyta sp. to Bacterial Quorum Sensing Molecules (N-Acylhomoserine Lactones): Aromatic Protein-Induced Self-Aggregation. <i>Environmental Science & Technology</i> , 2017 , 51, 3490-3498	10.3 61
1139	Advanced treatment of municipal secondary effluent by catalytic ozonation using FeO-CeO/MWCNTs as efficient catalyst. 2017 , 24, 9337-9349	10
1138	Formation of known and unknown disinfection by-products from natural organic matter fractions during chlorination, chloramination, and ozonation. 2017 , 587-588, 177-184	45
1137	Fluorescence spectroscopy and parallel factor analysis as a dissolved organic monitoring tool to assess treatment performance in drinking water trains. 2017 , 584-585, 1212-1220	38
1136	Adsorption of iron(III), cobalt(II), and nickel(II) on activated carbon derived from Xanthoceras Sorbifolia Bunge hull: mechanisms, kinetics and influencing parameters. 2017 , 75, 1849-1861	13
1135	Ferrous iron/peroxymonosulfate oxidation as a pretreatment for ceramic ultrafiltration membrane: Control of natural organic matter fouling and degradation of atrazine. 2017 , 113, 32-41	104
1134	Qualitative and quantitative analysis of extracellular polymeric substances in partial nitrification and full nitrification reactors. 2017 , 240, 171-176	24

1133	Fluorescence Approach for the Determination of Fluorescent Dissolved Organic Matter. 2017 , 89, 4264-4271	27
1132	Detecting the Changes of Water Qualities and Fluorescent DOM in a Constructed Rapid Infiltration System. 2017 , 37, 585-592	1
1131	Performance of the dominant bacterial species and microbial community in autotrophic denitrification coupled with iron cycle in immobilized systems. 2017 , 117, 88-97	10
1130	Effect of ozonation on anaerobic digestion sludge activity and viability. 2017 , 176, 405-411	28
1129	Using fluorescence quenching combined with two-dimensional correlation fluorescence spectroscopy to characterise the binding-site heterogeneity of dissolved organic matter with copper and mercury in lake sediments. 2017 , 14, 91	23
1128	Disinfection by-product formation during chlor(am)ination of algal organic matters (AOM) extracted from <i>Microcystis aeruginosa</i> : effect of growth phases, AOM and bromide concentration. 2017 , 24, 8469-8478	18
1127	Development of Fluorescence Surrogates to Predict the Photochemical Transformation of Pharmaceuticals in Wastewater Effluents. <i>Environmental Science & Technology</i> , 2017 , 51, 2738-2747 ^{10.3}	36
1126	Integration of coagulation and adsorption for removal of N-nitrosodimethylamine (NDMA) precursors from biologically treated municipal wastewater. 2017 , 24, 12426-12436	6
1125	Insights into the short-term effects of CeO nanoparticles on sludge dewatering and related mechanism. 2017 , 118, 93-103	98
1124	Flocculation and antimicrobial properties of a cationized starch. 2017 , 119, 57-66	52
1123	Characterization of dissolved organic matter released from activated sludge and aerobic granular sludge biosorption processes for heavy metal treatment via a fluorescence approach. 2017 , 124, 326-333	25
1122	Hydrophobic molecular features of EPS extracted from anaerobic granular sludge treating wastewater from a paper recycling plant. 2017 , 58, 266-275	7
1121	Predicting trace organic compound attenuation by ozone oxidation: Development of indicator and surrogate models. 2017 , 119, 21-32	47
1120	Characterization of spectral responses of dissolved organic matter (DOM) for atrazine binding during the sorption process onto black soil. 2017 , 180, 531-539	69
1119	Efficient visible light-driven in situ photocatalytic destruction of harmful alga by worm-like N,P co-doped TiO ₂ /expanded graphite carbon layer (NPT-EGC) floating composites. 2017 , 7, 2335-2346	26
1118	Micro-flocculation/sedimentation and ozonation for controlling ultrafiltration membrane fouling in recycling of activated carbon filter backwash water. 2017 , 325, 160-168	22
1117	Rhizofiltration of a Bordeaux mixture effluent in pilot-scale constructed wetland using <i>Arundo donax</i> L. coupled with potential Cu-ecocatalyst production. 2017 , 105, 296-305	22
1116	Extracellular Polymeric Substances from a Fungus Are More Effective than Those from a Bacterium in Polycyclic Aromatic Hydrocarbon Biodegradation. 2017 , 228, 1	7

1115	Chloramination of wastewater effluent: Toxicity and formation of disinfection byproducts. 2017 , 58, 135-145	46
1114	Inhibition of disinfection by-product formation in silver nanoparticle-humic acid water treatment. 2017 , 184, 158-167	8
1113	Enhanced treatment of Fischer-Tropsch wastewater using up-flow anaerobic sludge blanket system coupled with micro-electrolysis cell: A pilot scale study. 2017 , 238, 333-342	35
1112	The shadow of dichloroacetonitrile (DCAN), a typical nitrogenous disinfection by-product (N-DBP), in the waterworks and its backwash water reuse. 2017 , 181, 569-578	32
1111	Investigation on decolorization of biologically pretreated cellulosic ethanol wastewater by electrochemical method. 2017 , 323, 455-464	23
1110	Seasonal variation in the nature of DOM in a river and drinking water reservoir of a closed catchment. 2017 , 220, 788-796	14
1109	Control of protein (BSA) fouling by ultrasonic irradiation during membrane distillation process. 2017 , 175, 287-297	23
1108	Fouling characterization in entrapped cells-based-membrane bioreactor treating wastewater. 2017 , 175, 321-329	14
1107	Tracking the activity of the Anammox-DAMO process using excitation-emission matrix (EEM) fluorescence spectroscopy. 2017 , 122, 624-632	28
1106	PARAFAC Modeling of Irradiation- and Oxidation-Induced Changes in Fluorescent Dissolved Organic Matter Extracted from Poultry Litter. <i>Environmental Science & Technology</i> , 2017 , 51, 8036-8047	26
1105	Performance and Microbial Community Evolutions in Anaerobic Fermentation Process of Waste Activated Sludge Affected by Solids Retention Time. 2017 , 228, 1	6
1104	Contamination of Phthalate Esters in Vegetable Agriculture and Human Cumulative Risk Assessment. 2017 , 27, 439-451	50
1103	Effects of powdered activated carbon addition on filtration performance and dynamic membrane layer properties in a hybrid DMBR process. 2017 , 327, 39-50	39
1102	Characterization of Product and Potential Mechanism of Cr(VI) Reduction by Anaerobic Activated Sludge in a Sequencing Batch Reactor. 2017 , 7, 1681	21
1101	Formation of disinfection byproducts from accumulated soluble products of oleaginous microalga after chlorination. 2017 , 11, 1	11
1100	Composition of Extracellular and Intracellular Polymeric Substances Produced by <i>Scenedesmus</i> and <i>Microcystis</i> . 2017 , 34, 887-894	10
1099	Terrestrially derived glomalin-related soil protein quality as a potential ecological indicator in a peri-urban watershed. 2017 , 189, 315	2
1098	Influence of surface properties of RO membrane on membrane fouling for treating textile secondary effluent. 2017 , 24, 16253-16262	23

1097	Fouling characteristics and fouling control of reverse osmosis membranes for desalination of dyeing wastewater with high chemical oxygen demand. 2017 , 419, 1-7	32
1096	Quality and reactivity of dissolved organic matter in a Mediterranean river across hydrological and spatial gradients. 2017 , 599-600, 1802-1812	35
1095	Advantages of intermittently aerated SBR over conventional SBR on nitrogen removal for the treatment of digested piggery wastewater. 2017 , 11, 1	9
1094	Fluorescent natural organic matter responsible for ultrafiltration membrane fouling: Fate, contributions and fouling mechanisms. 2017 , 182, 183-193	32
1093	Toxic effects of three crystalline phases of TiO nanoparticles on extracellular polymeric substances in freshwater biofilms. 2017 , 241, 276-283	31
1092	Simultaneous enhancement of sludge dewaterability and removal of sludge-borne heavy metals through a novel oxidative leaching induced by nano-CaO. 2017 , 24, 16263-16275	7
1091	Reactivity of sulfate radicals with natural organic matters. 2017 , 15, 733-737	41
1090	Comparison of different treatment methods for protein solubilisation from waste activated sludge. 2017 , 122, 492-502	64
1089	Physicochemical Evidence on Sublethal Neonicotinoid Imidacloprid Interacting with an Odorant-Binding Protein from the Tea Geometrid Moth, <i>Ectropis obliqua</i> . 2017 , 65, 3276-3284	9
1088	Effects of hexavalent chromium on performance, extracellular polymeric substances and microbial community structure of anaerobic activated sludge in a sequencing batch reactor. 2017 , 92, 2719-2730	15
1087	Applying fermentation liquid of food waste as carbon source to a pilot-scale anoxic/oxic-membrane bioreactor for enhancing nitrogen removal: Microbial communities and membrane fouling behaviour. 2017 , 236, 164-173	43
1086	Degradation and characteristic changes of organic matter in sewage sludge using Vermi-biofilter system. 2017 , 180, 57-64	12
1085	Performance of microwave treatment for disintegration of cephalosporin mycelial dreg (CMD) and degradation of residual cephalosporin antibiotics. 2017 , 331, 265-272	41
1084	Double-win effects of in-situ ozonation on improved filterability of mixed liquor and ceramic UF membrane fouling mitigation in wastewater treatment?. 2017 , 533, 112-120	35
1083	Role of membrane fouling substances on the rejection of N-nitrosamines by reverse osmosis. 2017 , 118, 187-195	14
1082	Three-dimensional excitation and emission matrix fluorescence (3DEEM) for quick and pseudo-quantitative determination of protein- and humic-like substances in full-scale membrane bioreactor (MBR). 2017 , 118, 82-92	105
1081	Solar light-driven photocatalytic destruction of cyanobacteria by F-Ce-TiO ₂ /expanded perlite floating composites. 2017 , 320, 253-263	62
1080	Exopolymeric substances from drinking water biofilms: Dynamics of production and relation with disinfection by products. 2017 , 116, 304-315	22

1079	Short-term impacts of Cu, CuO, ZnO and Ag nanoparticles (NPs) on anammox sludge: CuNPs make a difference. 2017 , 235, 281-291	87
1078	Dual functionality of a graft starch flocculant: Flocculation and antibacterial performance. 2017 , 196, 63-71	38
1077	Combined impacts of nanoparticles on anammox granules and the roles of EDTA and S in attenuation. 2017 , 334, 49-58	50
1076	Influence of coagulation process on the ultrafiltration performance □The roles of Al species and characteristics of algae-laden water. 2017 , 183, 32-42	17
1075	Characterization of extracellular polymeric substances in biofilms under long-term exposure to ciprofloxacin antibiotic using fluorescence excitation-emission matrix and parallel factor analysis. 2017 , 24, 13536-13545	28
1074	Role of organic compounds from different EPS fractions and their effect on sludge dewaterability by combining anaerobically mesophilic digestion pre-treatment and Fenton□ reagent/lime. 2017 , 321, 123-138	56
1073	Influence of physico-chemical properties of soil clay fractions on the retention of dissolved organic carbon. 2017 , 39, 1335-1350	24
1072	Monitoring the Behavior of Emerging Contaminants in Wastewater-Impacted Rivers Based on the Use of Fluorescence Excitation Emission Matrixes (EEM). <i>Environmental Science & Technology</i> , 2017 , 51, 4306-4316	10.3 53
1071	Predicting potential release of dissolved organic matter from biochars derived from agricultural residues using fluorescence and ultraviolet absorbance. 2017 , 334, 86-92	80
1070	Characterisation of colloids using asymmetrical flow field-flow fractionation and online organic carbon detection. 2017 , 17, 1219-1224	1
1069	Indigenous microbial capability in solid manure residues to start-up solid-phase anaerobic digesters. 2017 , 64, 79-87	4
1068	Unique characteristics of algal dissolved organic matter and their association with membrane fouling behavior: a review. 2017 , 24, 11192-11205	25
1067	Degradation and transformation of extracellular polymeric substances (EPS) and dissolved organic matters (DOM) during two-stage anaerobic digestion with waste sludge. 2017 , 42, 9619-9629	39
1066	Dynamic changes of dissolved organic matter in membrane bioreactors at different organic loading rates: Evidence from spectroscopic and chromatographic methods. 2017 , 234, 131-139	28
1065	Impact of sulfadiazine on performance and microbial community of a sequencing batch biofilm reactor treating synthetic mariculture wastewater. 2017 , 235, 122-130	50
1064	Comparative study of the role of extracellular polymeric substances in biosorption of Ni(II) onto aerobic/anaerobic granular sludge. 2017 , 490, 754-761	41
1063	Influence of extracellular polymeric substances (EPS) treated by combined ultrasound pretreatment and chemical re-flocculation on water treatment sludge settling performance. 2017 , 170, 196-206	40
1062	The enhanced reduction of C- and N-DBP formation in treatment of source water containing <i>Microcystis aeruginosa</i> using a novel CTSAC composite coagulant. 2017 , 579, 1170-1178	20

1061	Oversimplification of Dissolved Organic Matter Fluorescence Analysis: Potential Pitfalls of Current Methods. <i>Environmental Science & Technology</i> , 2017 , 51, 759-761	10.3	27
1060	Selective elimination of chromophoric and fluorescent dissolved organic matter in a full-scale municipal wastewater treatment plant. 2017 , 57, 150-161		24
1059	Developing a chloramine decay index to understand nitrification: A case study of two chloraminated drinking water distribution systems. 2017 , 57, 170-179		12
1058	Effects of ZnO nanoparticle exposure on wastewater treatment and soluble microbial products (SMPs) in an anoxic-aerobic membrane bioreactor. 2017 , 171, 446-459		36
1057	Insights into natural organic matter and pesticide characterisation and distribution in the Rhone River. 2017 , 14, 64		11
1056	Effects of dissolved organic matter derived from forest leaf litter on biodegradation of phenanthrene in aqueous phase. 2017 , 324, 516-525		23
1055	Single-stage versus two-stage anaerobic fluidized bed bioreactors in treating municipal wastewater: Performance, foulant characteristics, and microbial community. 2017 , 171, 158-167		45
1054	Comparison between HPSEC-OCD and F-EEMs for assessing DBPs formation in water. 2017 , 52, 391-402		16
1053	Application of coagulation-UF hybrid process for shale gas fracturing flowback water recycling: Performance and fouling analysis. 2017 , 524, 460-469		43
1052	In situ coagulation versus pre-coagulation for gravity-driven membrane bioreactor during decentralized sewage treatment: Permeability stabilization, fouling layer formation and biological activity. 2017 , 126, 197-207		42
1051	Study of the photocatalytic degradation pathway of norfloxacin and mineralization activity using a novel ternary Ag/AgCl-CeO ₂ photocatalyst. 2017 , 355, 73-86		135
1050	Carbon Emission from Cascade Reservoirs: Spatial Heterogeneity and Mechanisms. <i>Environmental Science & Technology</i> , 2017 , 51, 12175-12181	10.3	35
1049	Rational Design of Antifouling Polymeric Nanocomposite for Sustainable Fluoride Removal from NOM-Rich Water. <i>Environmental Science & Technology</i> , 2017 , 51, 13363-13371	10.3	50
1048	Application of 3-D Fluorescence: Characterization of Natural Organic Matter in Natural Water and Water Purification Systems. 2017 , 27, 2069-2094		18
1047	Three-dimensional fluorescence analysis of chernozem humic acids and their electrophoretic fractions. 2017 , 50, 1018-1024		2
1046	Sludge reduction and microbial community structure in an anaerobic/anoxic/oxic process coupled with potassium ferrate disintegration. 2017 , 245, 954-961		22
1045	The enhancement of atrazine sorption and microbial transformation in biochars amended black soils. 2017 , 189, 507-516		21
1044	Comprehensive evaluation of three sets of advanced wastewater treatment trains for treating secondary effluent: Organic micro-pollutants and bio-toxicity. 2017 , 189, 426-434		31

1043	Optimization of the precursor removal of dichloroacetonitrile (DCAN), an emerging nitrogenous disinfection by-product, in an up-flow BAC filter. 2017 , 189, 309-318	11
1042	Quantitative and qualitative characterization of extracellular polymeric substances from Anammox enrichment. 2017 , 80, 738-746	7
1041	Sources, composition, and spectroscopic characteristics of dissolved organic matter extracted from sediments in an anthropogenic-impacted river in Southeastern China. 2017 , 24, 25431-25440	12
1040	Microbial community composition and electricity generation in cattle manure slurry treatment using microbial fuel cells: effects of inoculum addition. 2017 , 24, 23226-23235	15
1039	Phenol biodegradation and microbial community dynamics in extractive membrane bioreactor (EMBR) for phenol-laden saline wastewater. 2017 , 244, 1121-1128	60
1038	Heteroaggregation of CeO ₂ and TiO ₂ engineered nanoparticles in the aqueous phase: Application of turbidiscan stability index and fluorescence excitation-emission matrix (EEM) spectra. 2017 , 533, 9-19	43
1037	Entrapped cells-based-anaerobic membrane bioreactor treating domestic wastewater: Performances, fouling, and bacterial community structure. 2017 , 187, 147-155	21
1036	Impact of growth phases on photochemically produced reactive species in the extracellular matrix of algal cultivation systems. 2017 , 3, 1095-1108	19
1035	Investigating the behavior of binding properties between dissolved organic matter (DOM) and Pb(II) during the soil sorption process using parallel factor analysis (PARAFAC) and two-dimensional correlation spectroscopy (2D-COS). 2017 , 24, 25156-25165	28
1034	Multi-spectroscopic investigation on the complexation of tetracycline with dissolved organic matter derived from algae and macrophyte. 2017 , 187, 421-429	47
1033	Characterization of UF foulants and fouling mechanisms when applying low in-line coagulant pre-treatment. 2017 , 126, 1-11	23
1032	Recycling of activated carbon filter backwash water using ultrafiltration: Membrane fouling caused by different dominant interfacial forces. 2017 , 544, 174-185	9
1031	Effects of Fe(III) and quality of humic substances on As(V) distribution in freshwater: Use of ultrafiltration and Kohonen neural network. 2017 , 188, 208-217	11
1030	Optical property of dissolved organic matters (DOMs) and its link to the presence of metal ions in surface freshwaters in China. 2017 , 188, 502-509	17
1029	Impact of ozonation and biological activated carbon filtration on ceramic membrane fouling. 2017 , 126, 308-318	29
1028	Characterization of extracellular polymeric substance (EPS) fractions produced by <i>Microcystis aeruginosa</i> under the stress of linoleic acid sustained-release microspheres. 2017 , 24, 21091-21102	19
1027	Response of soil dissolved organic matter to microplastic addition in Chinese loess soil. 2017 , 185, 907-917	247
1026	Chemical structures of extra- and intra-cellular algogenic organic matters as precursors to the formation of carbonaceous disinfection byproducts. 2017 , 328, 1022-1030	56

1025	Degradation of ciprofloxacin using H_2MnO_2 activated peroxymonosulfate process: Effect of water constituents, degradation intermediates and toxicity evaluation. 2017 , 330, 1390-1400	180
1024	Continuous performance of hydrogenotrophic methanogenic mixed cultures: Kinetic and SMP analysis. 2017 , 42, 27767-27773	3
1023	Spectroscopic descriptors for dynamic changes of soluble microbial products from activated sludge at different biomass growth phases under prolonged starvation. 2017 , 123, 751-760	39
1022	Evaluating the potential impact of hydrochar on the production of short-chain fatty acid from sludge anaerobic digestion. 2017 , 246, 234-241	34
1021	Effect of hydraulic retention time on deterioration/restarting of sludge anaerobic digestion: Extracellular polymeric substances and microbial response. 2017 , 244, 261-269	28
1020	Short-duration hydrothermal fermentation of food waste: preparation of soil conditioner for amending organic-matter-impooverished arable soils. 2017 , 24, 21283-21297	6
1019	Tracking changes in composition and amount of dissolved organic matter throughout drinking water treatment plants by comprehensive two-dimensional gas chromatography-quadrupole mass spectrometry. 2017 , 609, 123-131	13
1018	Characterization and Comparison of Dissolved Organic Matter Signatures in Steam-Assisted Gravity Drainage Process Water Samples from Athabasca Oil Sands. 2017 , 31, 8363-8373	16
1017	DOM-mediated membrane retention of fluoroquinolone as revealed by fluorescence quenching properties. 2017 , 7, 5372	4
1016	Antecedent soil moisture prior to freezing can affect quantity, composition and stability of soil dissolved organic matter during thaw. 2017 , 7, 6380	10
1015	Degradation pathways and organic matter transformation of acesulfame potassium electro-oxidation in real water matrices. 2017 , 80, 222-230	5
1014	Development of a soft extraction method for sulfamethoxazole and transformation products from agricultural soils: Effects of organic matter co-extraction on the environmental availability assessment. 2017 , 607-608, 1037-1048	13
1013	ET&C Best Paper of 2016. 2017 , 36, 1693-1694	
1012	Monitoring biological wastewater treatment processes: recent advances in spectroscopy applications. 2017 , 16, 395-424	33
1011	Evolution of molecular weight and fluorescence of effluent organic matter (EfOM) during oxidation processes revealed by advanced spectrographic and chromatographic tools. 2017 , 124, 566-575	60
1010	Reducing ultrafiltration membrane fouling during potable water reuse using pre-ozonation. 2017 , 125, 42-51	80
1009	Impacts of biochar addition on soil dissolved organic matter characteristics in a wheat-maize rotation system in Loess Plateau of China. 2017 , 186, 986-993	46
1008	Heavy-metal pollution alters dissolved organic matter released by bloom-forming <i>Microcystis aeruginosa</i> . 2017 , 7, 18421-18427	7

1007	Optimum selection of extraction methods of extracellular polymeric substances in activated sludge for effective extraction of the target components. 2017 , 127, 136-146		28
1006	Permanganate/bisulfite (PM/BS) conditioning-horizontal electro-dewatering (HED) of activated sludge: Effect of reactive Mn(III) species. 2017 , 124, 584-594		56
1005	Evaluating Soil Dissolved Organic Matter Extraction Using Three-Dimensional Excitation-Emission Matrix Fluorescence Spectroscopy. 2017 , 27, 968-973		21
1004	Characterisation of landfill leachate by EEM-PARAFAC-SOM during physical-chemical treatment by coagulation-flocculation, activated carbon adsorption and ion exchange. 2017 , 186, 873-883		51
1003	NHFeO@SiO ₂ supported peroxidase catalyzed HO for degradation of endocrine disrupter from aqueous solution: Roles of active radicals and NOMs. 2017 , 186, 733-742		14
1002	Investigating the features in differential absorbance spectra of NOM associated with metal ion binding: A comparison of experimental data and TD-DFT calculations for model compounds. 2017 , 124, 496-503		19
1001	Microphase Diffusion-Controlled Interfacial Polymerization for an Ultrahigh Permeability Nanofiltration Membrane. 2017 , 9, 44820-44827		39
1000	Characterization of Natural Organic Substances Potentially Hindering RT-PCR-Based Virus Detection in Large Volumes of Environmental Water. <i>Environmental Science & Technology</i> , 2017 , 51, 13568-13579	10.3	13
999	Surrogate-Based Correlation Models in View of Real-Time Control of Ozonation of Secondary Treated Municipal Wastewater-Model Development and Dynamic Validation. <i>Environmental Science & Technology</i> , 2017 , 51, 14233-14243	10.3	30
998	Impact on Disinfection Byproducts Using Advanced Oxidation Processes for Drinking Water Treatment. 2017 , 345-386		4
997	Chemical characterization of dissolved organic matter in moist acidic tussock tundra soil using ultra-high resolution 15T FT-ICR mass spectrometry. 2017 , 22, 637-646		18
996	Extreme flooding mobilized dissolved organic matter from coastal forested wetlands. 2017 , 136, 293-309		25
995	Mineral surface-reactive metabolites secreted during fungal decomposition contribute to the formation of soil organic matter. 2017 , 19, 5117-5129		23
994	Soil Organic Carbon Reactivity Along the Eroding Coastline of Northern Alaska. 2017 , 182, 227-232		3
993	Characterisation and removal of organic matter from a reverse osmosis concentrate by a PAC accumulative countercurrent four-stage adsorption-MF hybrid process. 2017 , 189, 425-432		7
992	Interactions between stepwise-eluted sub-fractions of fulvic acids and protons revealed by fluorescence titration combined with EEM-PARAFAC. 2017 , 605-606, 58-65		28
991	Investigating the influence of organic matter composition on biofilm volumes in reverse osmosis using optical coherence tomography. 2017 , 419, 125-132		10
990	Soluble microbial products (SMPs) in a sequencing batch reactor with novel cake filtration system. 2017 , 184, 1286-1297		11

989	Transfer behavior of odorous pollutants in wastewater sludge system under typical chemical conditioning processes for dewaterability enhancement. 2017 , 7, 3417	4
988	Enhanced removal of intracellular organic matters (IOM) from Microcystic aeruginosa by aluminum coagulation. 2017 , 189, 279-287	23
987	Removal performance and water quality analysis of paper machine white water in a full-scale wastewater treatment plant. 2017 , 38, 1443-1451	4
986	UV/persulfate preoxidation to improve coagulation efficiency of Microcystis aeruginosa. 2017 , 322, 508-515	46
985	Optimization of Fenton treatment process for degradation of refractory organics in pre-coagulated leachate membrane concentrates. 2017 , 323, 674-680	58
984	Chemically induced alterations in the characteristics of fouling-causing bio-macromolecules - Implications for the chemical cleaning of fouled membranes. 2017 , 108, 115-123	53
983	Short-term pre-aeration applied to the dry anaerobic digestion of MSW, with a focus on the spectroscopic characteristics of dissolved organic matter. 2017 , 313, 1222-1232	16
982	Characteristics of dissolved organic matter formed in aerobic and anaerobic digestion of excess activated sludge. 2017 , 168, 1022-1031	22
981	Characterization of a hybrid powdered activated carbon-dynamic membrane bioreactor (PAC-DMBR) process with high flux by gravity flow: Operational performance and sludge properties. 2017 , 223, 65-73	24
980	Effects of a controlled freeze-thaw event on dissolved and colloidal soil organic matter. 2017 , 24, 1338-1346	9
979	Effective removal of contaminants in landfill leachate membrane concentrates by coagulation. 2017 , 167, 512-519	67
978	Effect of bioflocculation on fouling-related biofoulants in a membrane bioreactor during saline wastewater treatments. 2017 , 224, 285-291	19
977	Effect of weight ratios of PHBV/PLA polymer blends on nitrate removal efficiency and microbial community during solid-phase denitrification. 2017 , 116, 175-183	34
976	Characterization of trihalomethane, haloacetic acid, and haloacetonitrile precursors in a seawater reverse osmosis system. 2017 , 576, 391-397	19
975	Real-time monitoring of biofoulants in a membrane bioreactor during saline wastewater treatment for anti-fouling strategies. 2017 , 224, 183-187	14
974	Chemical oxidation for mitigation of UV-quenching substances (UVQS) from municipal landfill leachate: Fenton process versus ozonation. 2017 , 108, 260-270	74
973	Investigation of fluorescence methods for rapid detection of municipal wastewater impact on drinking water sources. 2017 , 171, 104-111	10
972	Influence on the generation of disinfection byproducts in a tannic acid solution by aluminum ions. 2017 , 38, 1100-1110	1

971	Microwave-assisted digestion and NaOH treatment of waste-activated sludge to recover phosphorus by crystallizing struvite. 2017 , 38, 1211-1222	13
970	Roles of composts in soil based on the assessment of humification degree of fulvic acids. 2017 , 72, 473-480	52
969	Fluorescence peak integration ratio I:I as a new potential indicator tracing the compositional changes in chromophoric dissolved organic matter. 2017 , 574, 1588-1598	40
968	Phosphorus recovery from biogas slurry by ultrasound/HO digestion coupled with HFO/biochar adsorption process. 2017 , 60, 219-229	28
967	Characterization of DOM adsorption of CNTs by using excitation-emission matrix fluorescence spectroscopy and multiway analysis. 2017 , 38, 1351-1361	8
966	New insight into sludge digestion mechanism for simultaneous sludge thickening and reduction using flat-sheet membrane-coupled aerobic digesters. 2017 , 309, 41-48	15
965	Alkali-earth metal bridges formed in biofilm matrices regulate the uptake of fluoroquinolone antibiotics and protect against bacterial apoptosis. 2017 , 220, 112-123	12
964	A detailed dissolved organic matter characterization of starch processing wastewater treated by a sedimentation and biological hybrid system. 2017 , 130, 295-300	12
963	Application of solid surface fluorescence EEM spectroscopy for tracking organic matter quality of native halophyte and furrow-irrigated soils. 2017 , 73, 88-95	14
962	Formation of assimilable organic carbon during the oxidation of water containing <i>Microcystis aeruginosa</i> by ozone and an advanced oxidation process using ozone/hydrogen peroxide. 2017 , 307, 364-371	29
961	Effects of CeO, CuO, and ZnO nanoparticles on physiological features of <i>Microcystis aeruginosa</i> and the production and composition of extracellular polymeric substances. 2017 , 24, 226-235	30
960	Pre-ozonation for high recovery of nanofiltration (NF) membrane system: Membrane fouling reduction and trace organic compound attenuation. 2017 , 523, 255-263	55
959	Removal of dissolved organic carbon and bromide by a hybrid MIEX-ultrafiltration system: Insight into the behaviour of organic fractions. 2017 , 312, 59-67	16
958	Effects of earthworms on nitrification and ammonia oxidizers in vermicomposting systems for recycling of fruit and vegetable wastes. 2017 , 578, 337-345	51
957	<i>Chlorella vulgaris</i> cultivation in sludge extracts from 2,4,6-TCP wastewater treatment for toxicity removal and utilization. 2017 , 187, 146-153	27
956	Influences of size-fractionated humic acids on arsenite and arsenate complexation and toxicity to <i>Daphnia magna</i> . 2017 , 108, 68-77	40
955	Adsorption of Cu and Zn by extracellular polymeric substances (EPS) in different sludges: Effect of EPS fractional polarity on binding mechanism. 2017 , 321, 473-483	104
954	Simultaneous removal of heavy metals and biodegradation of organic matter with sediment microbial fuel cells. 2017 , 7, 53433-53438	35

953	Characterization of CDOM of river waters in China using fluorescence excitation-emission matrix and regional integration techniques. 2017 , 122, 1940-1953	21
952	Variation in the Humification Degree of Dissolved Organic Matter from Cattle Manure during Composting as Analyzed by Ultraviolet-Visible and Fluorescence Spectroscopy. 2017 , 46, 1489-1499	7
951	Enhancement mechanisms of short-time aerobic digestion for waste activated sludge in the presence of cocoamidopropyl betaine. 2017 , 7, 13491	22
950	Current Approaches and Future Trends in Compost Quality Criteria for Agronomic, Environmental, and Human Health Benefits. 2017 , 144, 143-233	84
949	Assessing the stability in dry mycelial fertilizer of <i>Penicillium chrysogenum</i> as soil amendment via fluorescence excitation-emission matrix spectra: organic matter's transformation and maturity. 2017 , 24, 28258-28267	7
948	Changes in degrading ability, populations and metabolism of microbes in activated sludge in the treatment of phenol wastewater. 2017 , 7, 52841-52851	17
947	Characterization of Dissolved Organic Matter in Deep Geothermal Water from Different Burial Depths Based on Three-Dimensional Fluorescence Spectra. 2017 , 9, 266	5
946	Effects of Climate Change on 2-Methylisoborneol Production in Two Cyanobacterial Species. 2017 , 9, 859	1
945	Effect of Biological Contact Filters (BCFs) on Membrane Fouling in Drinking Water Treatment Systems. 2017 , 9, 981	4
944	Study on substrate metabolism process of saline waste sludge and its biological hydrogen production potential. 2017 , 24, 16383-16395	13
943	Characterizing Ohio River NOM Variability and Reconstituted-Lyophilized NOM as a Source Surrogate. 2017 , 109, E1-E9	3
942	References. 2017 , 353-358	
941	Enhanced removal of natural organic matters by calcined Mg/Al layered double hydroxide nanocrystalline particles: Adsorption, reusability and mechanism studies. 2018 , 442, 45-53	17
940	Response of morphology and microbial community structure of granules to influent COD/SO ratios in an upflow anaerobic sludge blanket (UASB) reactor treating starch wastewater. 2018 , 256, 456-465	31
939	Effects of vegetation types on water-extracted soil organic matter (WSOM) from riparian wetland and its impacts on riverine water quality: Implications for riparian wetland management. 2018 , 628-629, 1249-1257	11
938	Preparation and evaluation of wetland plant-based biochar for nitrogen removal enhancement in surface flow constructed wetlands. 2018 , 25, 13929-13937	36
937	Enhanced algae removal by Ti-based coagulant: comparison with conventional Al- and Fe-based coagulants. 2018 , 25, 13147-13158	25
936	Anammox granules show strong resistance to engineered silver nanoparticles during long-term exposure. 2018 , 259, 10-17	28

935	Molecular-Weight-Fractionation Characteristics and Coagulation Behaviors of Biorecalcitrant Dissolved Organic Matter and Colorants in Cassava Distillery Wastewater. 2018 , 57, 4442-4451		4
934	Enhanced electricity generation and organic matter degradation during three-chamber bioelectrochemically assisted anaerobic composting of dewatered sludge. 2018 , 133, 196-204		4
933	Effects of molecular weight-fractionated natural organic matter on the phytoavailability of silver nanoparticles. 2018 , 5, 969-979		21
932	Effects of organic wastes on structural characterizations of humic acid in semiarid soil under plastic mulched drip irrigation. 2018 , 200, 313-321		23
931	Influence of Zn(II) stress-induction on component variation and sorption performance of extracellular polymeric substances (EPS) from <i>Bacillus vallismortis</i> . 2018 , 41, 781-791		35
930	Fluorescence regional integration and differential fluorescence spectroscopy for analysis of structural characteristics and proton binding properties of fulvic acid sub-fractions. 2018 , 74, 116-125		24
929	Metal (Pb, Cd, and Zn) Binding to Diverse Organic Matter Samples and Implications for Speciation Modeling. <i>Environmental Science & Technology</i> , 2018 , 52, 4163-4172	10.3	12
928	Structure and biodegradability of dissolved organic matter from Ultisol treated with long-term fertilizations. 2018 , 18, 1865-1872		15
927	A non-targeted high-resolution mass spectrometry data analysis of dissolved organic matter in wastewater treatment. 2018 , 200, 397-404		29
926	Generation and characterization of DOM in wastewater treatment processes. 2018 , 201, 96-109		65
925	Spectroscopic study on transformations of dissolved organic matter in coal-to-liquids wastewater under integrated chemical oxidation and biological treatment process. 2018 , 70, 206-216		15
924	Enhanced short-chain fatty acids production from waste activated sludge by combining calcium peroxide with free ammonia pretreatment. 2018 , 262, 114-123		69
923	Real-Time Online Monitoring for Assessing Removal of Bacteria by Reverse Osmosis. 2018 , 5, 389-393		19
922	Effect of pre-ozonation on nanofiltration membrane fouling during water reuse applications. 2018 , 205, 203-211		28
921	Characterization of ultraviolet-quenching dissolved organic matter (DOM) in mature and young leachates before and after biological pre-treatment. 2018 , 4, 731-738		10
920	Effect of wastewater particles on catalytic ozonation in the advanced treatment of petrochemical secondary effluent. 2018 , 345, 280-289		27
919	Magnetic micro-particle conditioning-pressurized vertical electro-osmotic dewatering (MPEOD) of activated sludge: Role and behavior of moisture and organics. 2018 , 74, 147-158		16
918	Implementation of UV-based advanced oxidation processes in algal medium recycling. 2018 , 634, 243-250		27

917	Link between dissolved organic matter transformation and process performance in a membrane bioreactor for urinary nitrogen stabilization. 2018 , 4, 806-819	7
916	New insights into the treatment of real , <i>N,N</i> -dimethylacetamide contaminated wastewater using a membrane bioreactor and its membrane fouling implications.. 2018 , 8, 12799-12807	12
915	Rapid cultivation of aerobic granular sludge by xanthan gum in SBR reactors. 2018 , 2017, 360-369	5
914	Fenton treatment of bio-treated fermentation-based pharmaceutical wastewater: removal and conversion of organic pollutants as well as estimation of operational costs. 2018 , 25, 12083-12095	10
913	Using combined multiple techniques to characterize refractory organics during anammox process with mature coal chemical wastewater as influent. 2018 , 25, 12107-12118	10
912	Nitrogen removal enhancement using lactic acid fermentation products from food waste as external carbon sources: Performance and microbial communities. 2018 , 256, 259-268	38
911	Responses of biofilm microorganisms from moving bed biofilm reactor to antibiotics exposure: Protective role of extracellular polymeric substances. 2018 , 254, 268-277	68
910	Changes in spectroscopic signatures in soluble microbial products of activated sludge under different osmotic stress conditions. 2018 , 255, 29-38	13
909	Study on regeneration effect and mechanism of high-frequency ultrasound on biological activated carbon. 2018 , 44, 86-96	18
908	Impacts of land-use on surface waters at the watershed scale in southeastern China: Insight from fluorescence excitation-emission matrix and PARAFAC. 2018 , 627, 647-657	18
907	Enhancing sludge methanogenesis with improved redox activity of extracellular polymeric substances by hematite in red mud. 2018 , 134, 54-62	97
906	Tracking changes in organic matter during nitrification using fluorescence excitation-emission matrix spectroscopy coupled with parallel factor analysis (FEEM/PARAFAC). 2018 , 6, 1522-1528	11
905	Biochars induced modification of dissolved organic matter (DOM) in soil and its impact on mobility and bioaccumulation of arsenic and cadmium. 2018 , 348, 100-108	131
904	Reducing DBPs formation in chlorination of Br-containing Diclofenac via Fe-Cu-MCM-41/O ₃ peroxidation: Efficiency, characterization DBPs precursors and mechanism. 2018 , 84, 212-221	9
903	New insight into fate and fouling behavior of bulk Dissolved Organic Matter (DOM) in a full-scale membrane bioreactor for domestic wastewater treatment. 2018 , 22, 94-102	10
902	Differences in behaviour of three biopolymer constituents in coagulation with polyaluminium chloride: Implications for the optimisation of a coagulation-membrane filtration process. 2018 , 133, 255-263	24
901	Sequential pretreatment for cell disintegration of municipal sludge in a neutral Bio-electro-Fenton system. 2018 , 135, 44-56	33
900	Microbial community characterization of ozone-biofiltration systems in drinking water and potable reuse applications. 2018 , 135, 207-219	54

899	Effects of dissolved organic matter leaching from macrophyte litter on black water events in shallow lakes. 2018 , 25, 9928-9939	20
898	Toxic metals (Ni ²⁺ , Pb ²⁺ , Hg ²⁺) binding affinity of dissolved organic matter (DOM) derived from different ages municipal landfill leachate. 2018 , 8, 1	8
897	Municipal wastewater effluent characterization and variability analysis in view of an ozone dose control strategy during tertiary treatment: The status in Belgium. 2018 , 625, 1198-1207	22
896	Electronic and metagenomic insights into the performance of bioelectrochemical reactor simultaneously treating sewage sludge and Cr(VI)-laden wastewater. 2018 , 341, 495-504	10
895	Effects of lead, cadmium, chromium, and arsenic on the sorption of lindane and norfloxacin by river biofilms, particles, and sediments. 2018 , 25, 4632-4642	13
894	Using a tubular photosynthetic microbial fuel cell to treat anaerobically digested effluent from kitchen waste: Mechanisms of organics and ammonium removal. 2018 , 256, 11-16	28
893	Investigating the composition characteristics of dissolved and particulate/colloidal organic matter in effluent-dominated stream using fluorescence spectroscopy combined with multivariable analysis. 2018 , 25, 9132-9144	5
892	Degradation of organics extracted from dewatered sludge by alkaline pretreatment in microbial electrolysis cell. 2018 , 25, 8715-8724	15
891	Spectroscopic Indicators for Cytotoxicity of Chlorinated and Ozonated Effluents from Wastewater Stabilization Ponds and Activated Sludge. <i>Environmental Science & Technology</i> , 2018 , 52, 3167-3174 ^{10.3}	21
890	Advanced treatment of petrochemical wastewater by combined ozonation and biological aerated filter. 2018 , 25, 9673-9682	20
889	Structural characteristics of extracellular polymeric substances (EPS) in membrane bioreactor and their adsorptive fouling. 2018 , 77, 1537-1546	6
888	Microbial characteristics of landfill leachate disposed by aerobic moving bed biofilm reactor. 2018 , 77, 1089-1097	5
887	Photocatalytic degradation of ciprofloxacin by a novel Z-scheme CeO ₂ /Ag/AgBr photocatalyst: Influencing factors, possible degradation pathways, and mechanism insight. 2018 , 358, 141-154	265
886	Assessment of ozone and UV pre-oxidation processes for mitigating microbiologically accelerated monochloramine decay. 2018 , 6, 44-51	2
885	Investigation of humic acids concentration in different seasons in a raw water canal, Bangkok, Thailand. 2018 , 18, 1727-1738	4
884	Cation-induced coagulation of aquatic plant-derived dissolved organic matter: Investigation by EEM-PARAFAC and FT-IR spectroscopy. 2018 , 234, 726-734	34
883	Optimization of F/M ratio for stability of aerobic granular process via quantitative sludge discharge. 2018 , 252, 150-156	51
882	Operating cost reduction of UF membrane filtration process for drinking water treatment attributed to chemical cleaning optimization. 2018 , 206, 1126-1134	21

881	Evaluation of disinfection by-product formation during chlor(am)ination from algal organic matter after UV irradiation. 2018 , 25, 5994-6002	16
880	Treatment Performance and Degradation Process of Contaminants in Vitamin B12 Wastewater. 2018 , 35, 673-683	2
879	Influence of soluble microbial products on the long-term stability of air cathodes in microbial fuel cells. 2018 , 261, 557-564	19
878	Surface modified TiO floating photocatalyst with PDDA for efficient adsorption and photocatalytic inactivation of <i>Microcystis aeruginosa</i> . 2018 , 131, 320-333	55
877	A novel membrane bioreactor inoculated with symbiotic sludge bacteria and algae: Performance and microbial community analysis. 2018 , 251, 311-319	41
876	A review of fouling indices and monitoring techniques for reverse osmosis. 2018 , 434, 169-188	64
875	Tracking fluorescent dissolved organic matter in hybrid ultrafiltration systems with TiO ₂ /UV oxidation via EEM-PARAFAC. 2018 , 549, 275-282	42
874	Analytical indicators to characterize Particulate Organic Matter (POM) and its evolution in French Vertical Flow Constructed Wetlands (VFCWs). 2018 , 622-623, 801-813	9
873	Desalination and fouling of NF/low pressure RO membrane for shale gas fracturing flowback water treatment. 2018 , 195, 216-223	30
872	Electrochemical inactivation of <i>Microcystis aeruginosa</i> using BDD electrodes: Kinetic modeling of microcystins release and degradation. 2018 , 346, 73-81	27
871	A pilot study of hybrid biological activated carbon (BAC) filtration-ultrafiltration process for water supply in rural areas: role of BAC pretreatment in alleviating membrane fouling. 2018 , 4, 315-324	14
870	Nature and Value of Freely Dissolved EPS Ecosystem Services: Insight into Molecular Coupling Mechanisms for Regulating Metal Toxicity. <i>Environmental Science & Technology</i> , 2018 , 52, 457-466	10.3 50
869	Spectroscopic surrogates for real time monitoring of water quality in wastewater treatment and water reuse. 2018 , 2, 12-19	23
868	Characteristics and fouling behaviors of Dissolved Organic Matter fractions in a full-scale submerged membrane bioreactor for municipal wastewater treatment. 2018 , 132, 169-181	23
867	Industrial wastewater treated by galvanic, galvanic Fenton, and hydrogen peroxide systems. 2018 , 22, 1-12	19
866	Mobility of pharmaceutical and personal care products in lime amended wastewater biosolids. 2018 , 624, 1263-1273	18
865	Effects of bromide on the formation and transformation of disinfection by-products during chlorination and chloramination. 2018 , 625, 252-261	22
864	Advanced treatment of biotreated coking wastewater with peroxymonosulfate oxidation catalyzed by granular activated carbon. 2018 , 93, 2191-2198	2

863	Photocatalytic degradation of levofloxacin by ternary Ag ₂ CO ₃ /CeO ₂ /AgBr photocatalyst under visible-light irradiation: Degradation pathways, mineralization ability, and an accelerated interfacial charge transfer process study. 2018 , 358, 211-223	126
862	Lipid accumulation of <i>Chlorella pyrenoidosa</i> under mixotrophic cultivation using acetate and ammonium. 2018 , 262, 342-346	22
861	Simultaneous nitrification, denitrification and phosphorus removal in aerobic granular sequencing batch reactors with high aeration intensity: Impact of aeration time. 2018 , 263, 214-222	53
860	Sorption of 17 β -estradiol to the dissolved organic matter from animal wastes: effects of composting and the role of fulvic acid-like aggregates. 2018 , 25, 16875-16884	5
859	Fluorescence fingerprinting properties for exploring water-soluble organic compounds in PM _{2.5} in an industrial city of northwest China. 2018 , 184, 203-211	32
858	Assessing the safety of thermally processed penicillin mycelial dreg following the soil application: Organic matter's maturation and antibiotic resistance genes. 2018 , 636, 1463-1469	22
857	Changes of biotoxicity in food waste fermentation wastewater treated by a membrane bioreactor system. 2018 , 25, 18728-18736	4
856	Optical characteristic of humic acids from lake sediments by excitation-emission matrix fluorescence with PARAFAC model. 2018 , 18, 2851-2862	13
855	Investigation of plasma-induced chemistry in organic solutions for enhanced electrospun PLA nanofibers. 2018 , 15, 1700226	23
854	Reciprocal influences of dissolved organic matter and nanosized zero-valent iron in aqueous media. 2018 , 193, 936-942	10
853	Molecular Spectroscopic Characterization of Membrane Fouling: A Critical Review. 2018 , 4, 1492-1509	42
852	Electrocatalytic removal of humic acid using cobalt-modified particle electrodes. 2018 , 559, 75-84	17
851	Adsorption of UV-quenching substances (UVQS) from landfill leachate with activated carbon. 2018 , 350, 739-746	41
850	Monochloramine loss mechanisms and dissolved organic matter characterization in stormwater. 2018 , 631-632, 745-754	8
849	Impacts of aeration management and polylactic acid addition on dissolved organic matter characteristics in intensified aquaponic systems. 2018 , 205, 579-586	7
848	Effects of polytitanium chloride and polyaluminum chloride pre-treatment on ultrafiltration process: Floc properties and membrane fouling. 2018 , 88, 193-200	11
847	Chemical cleaning-associated generation of dissolved organic matter and halogenated byproducts in ceramic MBR: Ozone versus hypochlorite. 2018 , 140, 243-250	50
846	Leakage of soluble microbial products from biological activated carbon filtration in drinking water treatment plants and its influence on health risks. 2018 , 202, 626-636	18

845	Characterization of effluent organic matter from different coking wastewater treatment plants. 2018 , 203, 68-75	35
844	Performance of simultaneous wastewater reuse and seawater desalination by PAO-LPRO process. 2018 , 201, 276-282	9
843	Solar photolysis of soluble microbial products as precursors of disinfection by-products in surface water. 2018 , 201, 66-76	17
842	Alteration of the characteristics of extracellular polymeric substances (EPS) extracted from the fungus <i>Phanerochaete chrysosporium</i> when exposed to sub-toxic concentrations of nickel (II). 2018 , 129, 179-188	19
841	Experimental evidence of REE size fraction redistribution during redox variation in wetland soil. 2018 , 631-632, 580-588	11
840	Evaluating the Antifouling Properties of Poly(ether sulfone)/Sulfonated Poly(ether sulfone) Blend Membranes in a Full-Size Membrane Module. 2018 , 57, 4430-4441	14
839	Experimental and theoretical analyses on the impacts of ionic surfactants on sludge properties. 2018 , 633, 198-205	15
838	Highly effective enhancement of waste activated sludge dewaterability by altering proteins properties using methanol solution coupled with inorganic coagulants. 2018 , 138, 181-191	86
837	Enhancement of methane production in anaerobic digestion of sewage sludge by thermal hydrolysis pretreatment. 2018 , 259, 207-213	87
836	Integration of ferrate (VI) pretreatment and ceramic membrane reactor for membrane fouling mitigation in reclaimed water treatment. 2018 , 552, 315-325	23
835	Use of ozone-biofiltration for bulk organic removal and disinfection byproduct mitigation in potable reuse applications. 2018 , 202, 228-237	24
834	Evaluation of cationic polyacrylamide-based hybrid coagulation for the removal of dissolved organic nitrogen. 2018 , 25, 14447-14459	14
833	Forward osmosis membrane performance during simulated wastewater reclamation: Fouling mechanisms and fouling layer properties. 2018 , 23, 109-118	20
832	Application of low-dosage UV/chlorine pre-oxidation for mitigating ultrafiltration (UF) membrane fouling in natural surface water treatment. 2018 , 344, 62-70	45
831	Response of nitrite accumulation and microbial characteristics to low-intensity static magnetic field during partial nitrification. 2018 , 259, 214-220	20
830	Qualitative and quantitative spectrometric evaluation of soluble microbial products formation in aerobic granular sludge system treating nitrate wastewater. 2018 , 41, 841-850	4
829	Sorption of selected pharmaceuticals by a river sediment: role and mechanisms of sediment or Aldrich humic substances. 2018 , 25, 14532-14543	9
828	Understanding Mechanisms of Synergy between Acidification and Ultrasound Treatments for Activated Sludge Dewatering: From Bench to Pilot-Scale Investigation. <i>Environmental Science & Technology</i> , 2018 , 52, 4313-4323	10.3 77

827	Disinfection byproduct precursors in paddy fields under swine manure application: Reactivity, origins and interception. 2018 , 256, 173-183	3
826	Electrochemically modified dissolved organic matter accelerates the combining photodegradation and biodegradation of 17 β -ethinylestradiol in natural aquatic environment. 2018 , 137, 251-261	32
825	Distribution Characteristics of Extracellular Polymeric Substance Extracted from Dewatered Sludge Treated with Enzymes and Thermal Pressure. 2018 , 9, 1523-1533	2
824	Study on the effects of organic matter characteristics on the residual aluminum and flocs in coagulation processes. 2018 , 63, 307-317	10
823	Algal removal from cyanobacteria-rich waters by preoxidation-assisted coagulation-flotation: Effect of algogenic organic matter release on algal removal and trihalomethane formation. 2018 , 63, 147-155	26
822	Effect of florfenicol on performance and microbial community of a sequencing batch biofilm reactor treating mariculture wastewater. 2018 , 39, 363-372	16
821	Assessment of the content, structure, and source of soil dissolved organic matter in the coastal wetlands of Jiaozhou Bay, China. 2018 , 103, 35-44	35
820	Evaluating the biosafety of conventional and O-BAC process and its relationship with NOM characteristics. 2018 , 39, 221-230	10
819	Sorption behavior of tetracyclines on suspended organic matters originating from swine wastewater. 2018 , 65, 144-152	20
818	Application of advanced techniques for the assessment of bio-stability of biowaste-derived residues: A minireview. 2018 , 248, 122-133	31
817	Application of Victorian brown coal for removal of ammonium and organics from wastewater. 2018 , 39, 1041-1051	12
816	Exquisite preservation of a widespread filamentous microorganism in French Cretaceous ambers: Crucial for revising a controversial fossil. 2018 , 17, 415-434	16
815	Carbonaceous and nitrogenous disinfection byproduct precursor variation during the reversed anaerobic-anoxic-oxic process of a sewage treatment plant. 2018 , 65, 335-346	8
814	Studies on removal of phenol sulfonic acid-syntan in aqueous medium using ozonation. 2018 , 39, 2434-2446	3
813	Investigating variations of fluorescent dissolved organic matter in wastewater treatment using synchronous fluorescence spectroscopy combined with principal component analysis and two-dimensional correlation. 2018 , 39, 2495-2502	11
812	Role of granular activated carbon in the microalgal cultivation from bacteria contamination. 2018 , 247, 36-43	9
811	Insights into sludge granulation during anaerobic treatment of high-strength leachate via a full-scale IC reactor with external circulation system. 2018 , 64, 227-234	31
810	Characterization of soluble microbial products in a partial nitrification sequencing batch biofilm reactor treating high ammonia nitrogen wastewater. 2018 , 249, 241-246	32

809	Nature differences of fulvic acid fractions induced by extracted sequence as explanatory factors for binding characteristics of Cu. 2018 , 191, 458-466	8
808	Novel insights into variation of dissolved organic matter during textile wastewater treatment by fluorescence excitation emission matrix. 2018 , 335, 13-21	51
807	Cu@FeO core-shell nanoparticle-catalyzed oxidative degradation of the antibiotic oxytetracycline in pre-treated landfill leachate. 2018 , 191, 639-650	37
806	Coagulation behaviors of new covalently bound hybrid coagulants (CBHyC) in surface water treatment. 2018 , 192, 322-328	11
805	Comparison of thermophilic bacteria and alkyl polyglucose pretreatment on two-stage anaerobic digestion with waste sludge: Biogas production potential and substrate metabolism process. 2018 , 249, 694-703	18
804	Removal of the precursors of N-nitrosodiethylamine (NDEA), an emerging disinfection byproduct, in drinking water treatment process and its toxicity to adult zebrafish (<i>Danio rerio</i>). 2018 , 191, 1028-1037	16
803	Potential linkage between sediment oxygen demand and pore water chemistry in weir-impounded rivers. 2018 , 619-620, 1608-1617	8
802	Characterization of Dissolved Organic Matter in Mature Leachate during Ammonia Stripping and Two-Stage Aged-Refuse Bioreactor Treatment. 2018 , 144, 04017082	4
801	Coupling GAC to ultra-low-pressure filtration to modify the biofouling layer and bio-community: Flux enhancement and water quality improvement. 2018 , 333, 289-299	45
800	Enzymes catalyzing pre-hydrolysis facilitated the anaerobic fermentation of waste activated sludge with acidogenic and microbiological perspectives. 2018 , 250, 69-78	34
799	Fluorescence-based multi-parameter approach to characterize dynamics of organic carbon, faecal bacteria and particles at alpine karst springs. 2018 , 615, 1446-1459	22
798	Effects of NOM on the degradation of chloramphenicol by UV/H ₂ O ₂ and the characteristics of degradation products. 2018 , 191, 108-115	19
797	Enhanced bioproduction of short-chain fatty acids from waste activated sludge by potassium ferrate pretreatment. 2018 , 332, 456-463	71
796	A novel Ag ₂ O/CeO ₂ heterojunction photocatalysts for photocatalytic degradation of enrofloxacin: possible degradation pathways, mineralization activity and an in depth mechanism insight. 2018 , 221, 701-714	272
795	The effects and mechanism of phycocyanin removal from water by high-frequency ultrasound treatment. 2018 , 41, 303-309	11
794	Effects of GAC layer on the performance of gravity-driven membrane filtration (GDM) system for rainwater recycling. 2018 , 191, 253-261	31
793	Performance and membrane fouling of a step-fed submerged membrane sequencing batch reactor treating swine biogas digestion slurry. 2018 , 53, 65-72	4
792	Variations in cyanobacterial and algal communities and soil characteristics under biocrust development under similar environmental conditions. 2018 , 429, 241-251	20

791	Biosorption performance evaluation of heavy metal onto aerobic granular sludge-derived biochar in the presence of effluent organic matter via batch and fluorescence approaches. 2018 , 249, 410-416	36
790	Induced structural changes of humic acid by exposure of polystyrene microplastics: A spectroscopic insight. 2018 , 233, 1-7	97
789	Effect of PAC particle layer on the performance of gravity-driven membrane filtration (GDM) system during rainwater treatment. 2018 , 4, 48-57	17
788	Optical properties of algogenic organic matter within the growth period of <i>Chlorella</i> sp. and predicting their disinfection by-product formation. 2018 , 621, 1467-1474	34
787	Towards physicochemical and biological effects on detachment and activity recovery of aging biofilm by enzyme and surfactant treatments. 2018 , 247, 319-326	34
786	Cultivating aerobic granular sludge in a developed continuous-flow reactor with two-zone sedimentation tank treating real and low-strength wastewater. 2018 , 247, 776-783	58
785	Characterization of EPS compositions and microbial community in an Anammox SBBR system treating landfill leachate. 2018 , 249, 108-116	98
784	Removal of organic matter from reservoir water: mechanisms underpinning surface chemistry of natural adsorbents. 2018 , 15, 847-862	4
783	Effect of integrated pretreatment technologies on RO membrane fouling for treating textile secondary effluent: Laboratory and pilot-scale experiments. 2018 , 332, 109-117	27
782	Simultaneous nitrification, denitrification and phosphorus removal in an aerobic granular sequencing batch reactor with mixed carbon sources: reactor performance, extracellular polymeric substances and microbial successions. 2018 , 331, 841-849	150
781	Efficient organic pollutants removal from industrial paint wastewater plant employing Fenton with integration of oxic/hydrolysis acidification/oxic. 2018 , 332, 440-448	25
780	Effect of biochar amendment on compost organic matter composition following aerobic composting of manure. 2018 , 613-614, 20-29	64
779	Rapid startup of thermophilic anaerobic digester to remove tetracycline and sulfonamides resistance genes from sewage sludge. 2018 , 612, 788-798	66
778	Sludge decrement and electricity generation of sludge microbial fuel cell enhanced by zero valent iron. 2018 , 174, 35-41	18
777	Sulfadiazine/ciprofloxacin promote opportunistic pathogens occurrence in bulk water of drinking water distribution systems. 2018 , 234, 71-78	28
776	Direct contact membrane distillation for the treatment of industrial dyeing wastewater and characteristic pollutants. 2018 , 195, 83-91	108
775	Protonation-dependent heterogeneity in fluorescent binding sites in sub-fractions of fulvic acid using principle component analysis and two-dimensional correlation spectroscopy. 2018 , 616-617, 1279-1287	33
774	Enhanced effects of maghemite nanoparticles on the flocculent sludge wasted from a high-rate anammox reactor: Performance, microbial community and sludge characteristics. 2018 , 250, 265-272	19

773	Evaluating the effects of organic matter bioavailability on nanofiltration membrane using real-time monitoring. 2018 , 548, 519-525	13
772	Application of microwave-pretreated cephalosporin mycelial dreg (CMD) as soil amendment: Temporal changes in chemical and fluorescent parameters of soil organic matter. 2018 , 621, 417-424	16
771	Anaerobic biodegradation and decolorization of a refractory acid dye by a forward osmosis membrane bioreactor. 2018 , 4, 272-280	23
770	Visible-light-driven in situ inactivation of <i>Microcystis aeruginosa</i> with the use of floating g-C ₃ N ₄ heterojunction photocatalyst: Performance, mechanisms and implications. 2018 , 226, 83-92	60
769	Identifying Plant Stress Responses to Roxarsone in Soybean Root Exudates: New Insights from Two-Dimensional Correlation Spectroscopy. 2018 , 66, 53-62	9
768	Fate and behavior of dissolved organic matter in a submerged anoxic-aerobic membrane bioreactor (MBR). 2018 , 25, 4289-4302	7
767	Evolution of various fractions during the windrow composting of chicken manure with rice chaff. 2018 , 207, 366-377	35
766	Volatile fatty acid augmentation and microbial community responses in anaerobic co-fermentation process of waste-activated sludge mixed with corn stalk and livestock manure. 2018 , 25, 4846-4857	18
765	Ferrate(VI) decomposition in water in the absence and presence of natural organic matter (NOM). 2018 , 334, 2335-2342	34
764	Fluorescence quotient of excitation-emission matrices as a potential indicator of organic matter behavior in membrane bioreactors. 2018 , 4, 281-290	13
763	Tracking variations of fluorescent dissolved organic matter during wastewater treatment by accumulative fluorescence emission spectroscopy combined with principal component, second derivative and canonical correlation analyses. 2018 , 194, 463-470	15
762	Potent removal of cyanobacteria with controlled release of toxic secondary metabolites by a titanium xerogel coagulant. 2018 , 128, 341-349	32
761	Monolithic ceramic electrode for electrochemical deactivation of <i>Microcystis aeruginosa</i> . 2018 , 259, 410-418	7
760	Treatment and energy utilization of oily water via integrated ultrafiltration-forward osmosis-membrane distillation (UF-FO-MD) system. 2018 , 548, 275-287	30
759	Variations of moisture and organics in activated sludge during Fe/SO conditioning-horizontal electro-dewatering process. 2018 , 129, 83-93	48
758	Adsorption characteristics of natural organic matter on activated carbons with different pore size distribution. 2018 , 15, 1619-1628	5
757	Removal of PhACs and their impacts on membrane fouling in NF/RO membrane filtration of various matrices. 2018 , 548, 439-448	19
756	Sample handling and data processing for fluorescent excitation-emission matrix (EEM) of dissolved organic matter (DOM). 2018 , 193, 530-537	51

755	Microwave digestion-assisted HFO/biochar adsorption to recover phosphorus from swine manure. 2018 , 621, 1512-1526	26
754	Does pre-ozonation or in-situ ozonation really mitigate the protein-based ceramic membrane fouling in the integrated process of ozonation coupled with ceramic membrane filtration?. 2018 , 548, 254-262	39
753	Impacts of wheat straw addition on dissolved organic matter characteristics in cadmium-contaminated soils: Insights from fluorescence spectroscopy and environmental implications. 2018 , 193, 1027-1035	33
752	Role of free nitrous acid in the pretreatment of waste activated sludge: Extracellular polymeric substances disruption or cells lysis?. 2018 , 336, 28-37	52
751	Molecular characterization of macrophyte-derived dissolved organic matters and their implications for lakes. 2018 , 616-617, 602-613	11
750	Remediation of Cr(VI)-contaminated soil with co-composting of three different biomass solid wastes. 2018 , 18, 897-905	15
749	3D MnO hollow microspheres ozone-catalysis coupled with flat-plate membrane filtration for continuous removal of organic pollutants: Efficient heterogeneous catalytic system and membrane fouling control. 2018 , 344, 1198-1208	24
748	Biosolids leachate variability, stabilization surrogates, and optical metric selection.	0
747	Characterization of complex wastewater using high-throughput techniques. 2022 , 69-110	
746	Sorption of Pb(II) onto biochar is enhanced through co-sorption of dissolved organic matter.. 2022 , 825, 153686	4
745	Identification of visible colored dissolved organic matter in biological and tertiary municipal effluents using multiple approaches including PARAFAC analysis. 2022 , 122, 174-174	0
744	Transport of Veterinary Antibiotics in Farmland Soil: Effects of Dissolved Organic Matter.. 2022 , 19,	2
743	Impact of biochar, calcium magnesium phosphate fertilizer and spent mushroom substrate on humification and heavy metal passivation during composting.. 2022 , 153755	2
742	Accumulation of chiral pharmaceuticals (ofloxacin or levofloxacin) onto polyethylene microplastics from aqueous solutions.. 2022 , 823, 153765	0
741	Microalgae-assisted fixed-film activated sludge MFC for landfill leachate treatment and energy recovery. 2022 ,	3
740	Enhanced nitrate, manganese, and phenol removal by polyvinyl alcohol/sodium alginate with biochar gel beads immobilized bioreactor: Performance, mechanism, and bacterial diversity.. 2022 , 126818	2
739	Effect of chlorination on the characteristics of effluent organic matter and the phototransformation of sulfamethoxazole in secondary wastewater.. 2021 , 133193	0
738	Optimizing agricultural biomass application to enhance nitrogen removal in vertical flow constructed wetlands for treating low-carbon wastewater.. 2022 , 209, 112867	0

- 737 Distinctive differences in the granulation of saline and non-saline enriched anaerobic ammonia oxidizing (AMX) bacteria. **2022**, 122, 162-173 2
- 736 Fluorescence-Based Method for Fast Quantification of Active Aluminums in Natural and Treated Water.
- 735 Spectroscopic Characterization of Soil Dissolved Organic Matter During Dielectric Barrier Discharge (Dbd) Plasma Treatment: Effects of Discharge Power, Atmosphere and Soil Moisture Content.
- 734 Free Radicals Removing Extracellular Polymeric Substances to Enhance the Degradation of Intracellular Antibiotic Resistance Genes in Multi-Resistant *Pseudomonas Putida* by Uv/H₂O₂ and Uv/Peroxydisulfate Disinfection Processes.
- 733 Effect of Pre-Coagulation on Catalytic Ozonation in the Tertiary Treatment of Coking Wastewater: Kinetic and Ozone Consumption Analysis.
- 732 New Insights into the Influence and Mechanism of Pb Adsorption on Clay Mediated by Dissolved Organic Matter in Composting Process.
- 731 Stable and Rapid Partial Nitrification Achieved by Boron Stimulating Autoinducer-2 Mediated Quorum Sensing at Room & Low Temperature.
- 730 Effects of Different Dissolved Organic Matter on Peroxymonosulfate Activation Over Co-Fe Binary Metal: Experiments and Density Functional Theory.
- 729 Direct Z-Scheme Co₃O₄ Quantum Dots/Bi₂MoO₆ Heterostructure for Rapid Tetracycline Degradation: Performance, Degradation Pathways and Mechanism Insight.
- 728 Effects of Phosphate-Containing Additives and Zeolite on Maturity and Heavy Metal Passivation During Pig Manure Composting.
- 727 Assessment of Potential Biototoxicity Induced by Biochar-Derived Dissolved Organic Matters to Biological Fermentative H₂ Production.
- 726 Calcium-Mediated Regulation Promotes the Biofilm Formation of Two Novel Pyridine-Degrading Bacteria. **2022**, 10, 0
- 725 Evaluation of the pollutant interactions between different overlying water and sediment in simulated urban sewer system by excitation-emission matrix fluorescence spectroscopy.. **2022**, 1
- 724 Physical Clogging Characteristics and Water Quality Variations by Injecting Secondary Effluent into Porous Media: A Laboratory Column Study. **2022**, 14, 701
- 723 Dissolved Organic Matter Enhanced the Aggregation and Oxidation of Nanoplastics under Simulated Sunlight Irradiation in Water.. *Environmental Science & Technology*, **2022**, 10.3 1
- 722 Hydrothermal treatment of furfural and sugar monomers and oligomers: a model-compound approach to probe the cross-polymerization reactions in heating bio-oil. 1
- 721 Research on Ammonia Removal from Reject Water Produced from Anaerobic Digestion of Thermally Hydrolyzed Sludge Through Partial Nitrification/Anammox. **2022**, 233, 1 0
- 720 Dissolved Organic Matter Acting as a Microbial Photosensitizer Drives Photoelectrotrophic Denitrification.. *Environmental Science & Technology*, **2022**, 10.3 1

719	Bromine Radical (Br and Br) Reactivity with Dissolved Organic Matter and Brominated Organic Byproduct Formation.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	2
718	Differences in the properties of extracellular polymeric substances responsible for PAH degradation isolated from <i>Mycobacterium gilvum</i> SN12 grown on pyrene and benzo[a]pyrene.. 2022 , 204, 227		
717	Comparing the Pb(II) binding with different fluorescent components of dissolved organic matter from typical sources.. 2022 , 1		
716	Foulant Identification and Performance Evaluation of Antiscalants in Increasing the Recovery of a Reverse Osmosis System Treating Anaerobic Groundwater.. 2022 , 12,		0
715	Study on the operation performance and floc adhesion mechanism of dissolved air flotation equipment.. 2022 , 1		0
714	COMPOST PRODUCTION, ANALYSIS AND APPLICATIONS IN AGRICULTURE. 2022 , 297-321		1
713	Ball-milled biochar can act as a preferable biocompatibility material to enhance phenanthrene degradation by stimulating bacterial metabolism.. 2022 , 350, 126901		2
712	Insights on dissolved organic matter and bacterial community succession during secondary composting in residue after black soldier fly larvae (<i>Hermetia illucens</i> L.) bioconversion for food waste treatment.. 2022 , 142, 55-64		3
711	Distribution and transformation of dissolved organic matters (DOMs) in membrane distillation for desulfurization wastewater in thermal power plant. 2022 , 46, 102363		
710	Response of antibiotic resistance genes and microbial niches to dissolved oxygen in an oxygen-based membrane biofilm reactor during greywater treatment.. 2022 , 155062		3
709	A comprehensive root cause analysis of anammox bioreactor performance decline.. 2022 , 126895		0
708	Effects of volatiles on properties of char during sequential pyrolysis of PET and cellulose. 2022 , 189, 139-151		2
707	Oxidation-enhanced ferric coagulation for alleviating ultrafiltration membrane fouling by algal organic matter: A comparison of moderate and strong oxidation. 2022 , 63, 102652		0
706	Impacts of spectral characteristics of dissolved organic matter on methylmercury contents in peatlands, Northeast China.. 2022 , 1		
705	New insights into physicochemical properties of different particulate size-fractions and dissolved organic matter derived from biochars and their sorption capacity for phenanthrene.. 2022 , 434, 128867		0
704	Characteristics of flat-sheet ceramic ultrafiltration membranes for lake water treatment: A pilot study. 2022 , 289, 120677		1
703	Synergistic effects between solid potato waste and waste activated sludge for waste-to-power conversion in microbial fuel cells. 2022 , 314, 118994		0
702	Emerging applications of EEM-PARAFAC for water treatment: a concise review. 2022 , 10, 100286		3

701	Prediction of water quality based on SVR by fluorescence excitation-emission matrix and UV-Vis absorption spectrum.. 2022 , 273, 121059	1
700	Effect of bacterial cell addition on Fe(III) reduction and soil organic matter transformation in a farmland soil. 2022 , 325, 25-38	0
699	Reutilization of waste crawfish shell and sludge for efficient volatile fatty acids production by synchronously regulating the bioavailable substrates and microbial metabolic traits. 2022 , 349, 131456	1
698	Involvement of the organics in aqueous phase of bio-oil in hydrothermal carbonization of lignin.. 2022 , 127055	1
697	In-situ quantitative monitoring the organic contaminants uptake onto suspended microplastics in aquatic environments.. 2022 , 215, 118235	0
696	Enhanced biogas biological upgrading from kitchen wastewater by in-situ hydrogen supply through nano zero-valent iron corrosion.. 2022 , 310, 114774	1
695	Process and mechanism between water-extracted organic matter and trace metallic ions in sediments of Yangtze River estuary.. 2022 , 273, 121041	0
694	Pre-depositing versus mixing powdered activated carbons for gravity-driven membrane systems during treated domestic wastewater filtration: Permeability stabilization and removal performance. 2022 , 288, 120659	0
693	A versatile control strategy based on organic carbon flow analysis for effective treatment of incineration leachate using an anammox-based process.. 2022 , 215, 118261	1
692	Relationship between soil bacterial communities and dissolved organic matter in a subtropical <i>Pinus taiwanensis</i> forest after short-term nitrogen addition. 2022 , 512, 120165	0
691	New insight into the role of FDOM in heavy metal leaching behavior from MSWI bottom ash during accelerated weathering using fluorescence EEM-PARAFAC.. 2022 , 144, 153-162	1
690	Microbial electrolysis enhanced bioconversion of coal to methane compared with anaerobic digestion: Insights into differences in metabolic pathways. 2022 , 259, 115553	1
689	Free radicals removing extracellular polymeric substances to enhance the degradation of intracellular antibiotic resistance genes in multi-resistant <i>Pseudomonas Putida</i> by UV/HO and UV/peroxydisulfate disinfection processes.. 2022 , 430, 128502	0
688	Excitation-emission matrix fluorescence spectroscopy coupled with chemometric methods for characterization and authentication of Anhua brick tea. 2022 , 109, 104501	0
687	Biodegradation and potential effect of ranitidine during aerobic composting of human feces.. 2022 , 296, 134062	0
686	Multiple roles of complex organics in polishing THP-AD filtrate with double-line anammox: Inhibitory relief and bacterial selection.. 2022 , 216, 118373	4
685	Characterization of mercury binding to different molecular weight fractions of dissolved organic matter.. 2022 , 431, 128593	1
684	Insight into interactions of polystyrene microplastics with different types and compositions of dissolved organic matter.. 2022 , 153883	2

683	Membrane distillation combined with electrocoagulation and electrooxidation for the treatment of landfill leachate concentrate. 2022 , 291, 120936	0
682	Acidithiobacillus ferrooxidans mediates morphology evolution of schwertmannite in the presence of Fe ²⁺ . 2022 , 598, 120828	0
681	Effects of filtration modes on fouling characteristic and microbial community of bio-cake in a membrane bioreactor. 2022 , 10, 107465	0
680	Sonoelectrochemical activation of peroxymonosulfate: Influencing factors and mechanism of FA degradation, and application on landfill leachate treatment.. 2021 , 133365	2
679	Aging behavior of microplastics affected DOM in riparian sediments: From the characteristics to bioavailability.. 2022 , 431, 128522	2
678	Chromatographic and spectroscopic comparison of dissolved organic matter variation in anaerobic-anoxic-oxic process with tertiary filtration and membrane bioreactor. 2022 , 47, 102693	1
677	Anammox sludge preservation: Preservative agents, temperature and substrate.. 2022 , 311, 114860	0
676	Cysteine reduced the inhibition of CO on heterotrophic denitrification: Restoring redox balance, facilitating iron acquisition and carbon metabolism.. 2022 , 826, 154173	2
675	Trace antibiotics increase the risk of antibiotic resistance genes transmission by regulating the biofilm extracellular polymeric substances and microbial community in the sewer.. 2022 , 432, 128634	2
674	Characteristics of the formation and toxicity index of nine newly identified brominated disinfection byproducts during wastewater ozonation.. 2022 , 153924	0
673	Ammonia (NH ₃)/nitrogen (N ₂) torrefaction pretreatment of waste biomass for the production of renewable nitrogen-containing chemicals via catalytic ammonization pyrolysis: Evolution of fuel-N under a N ₂ /NH ₃ -rich atmosphere. 2022 , 102, 143-159	1
672	Robust mitigation of FO membrane fouling by coagulation-floatation process: Role of microbubbles. 2022 , 531, 115693	1
671	Spectroscopic characterization of soil dissolved organic matter during dielectric barrier discharge (DBD) plasma treatment: Effects of discharge power, atmosphere and soil moisture content.. 2022 , 297, 134145	0
670	Pyrolysis of cellulose: Correlation of hydrophilicity with evolution of functionality of biochar.. 2022 , 825, 153959	0
669	Identification of the key biochemical component contributing to disinfection byproducts in chlorinating algogenic organic matter.. 2022 , 133998	1
668	Impact of permeate flux and gas sparging rate on membrane performance and process economics of granular anaerobic membrane bioreactors.. 2022 , 153907	0
667	Biochar assisted cellulose anaerobic digestion under the inhibition of dodecyl dimethyl benzyl ammonium chloride: Dose-response kinetic assays, performance variation, potential promotion mechanisms.. 2022 , 312, 114934	0
666	Titanium xerogel as a potential alternative for polymeric ferric sulfate in coagulation removal of antimony from reverse osmosis concentrate. 2022 , 291, 120863	0

- 665 Biochar produced from the straw of common crops simultaneously stabilizes soil organic matter and heavy metals.. **2022**, 828, 154494 1
- 664 Long-term effects of Cu(II) on denitrification in hydrogen-based membrane biofilm reactor: Performance, extracellular polymeric substances and microbial communities.. **2022**, 154526 0
- 663 Alternating electric field enables hyperthermophilic composting of organic solid wastes.. **2022**, 154439 0
- 662 Dissolved organic matter (DOM) was detected in MSWI plant: An investigation of DOM and potential toxic elements variation in the bottom ash and fly ash.. **2022**, 154339 1
- 661 Biochar derived from different crop straws as persulfate activator for the degradation of sulfadiazine: Influence of biomass types and systemic cause analysis. **2022**, 440, 135669 4
- 660 Fluorescence-based method for fast quantification of active aluminums in natural and treated water.. **2022**, 433, 128815 0
- 659 Characteristics of dissolved ozone flotation for the enhanced treatment of bio-treated drilling wastewater from a gas field.. **2022**, 134290 0
- 658 A thorough observation of an ozonation catalyst under long-term practical operation: Deactivation mechanism and regeneration.. **2022**, 154803 1
- 657 Construction of magnetically separable dual Z-scheme g-C₃N₄/Fe₂O₃/Bi₃TaO₇ photocatalyst for effective degradation of ciprofloxacin under visible light. **2022**, 440, 135840 0
- 656 Enhancement of nitrogen removal and energy recovery from low C/N ratio sewage by multi-electrode electrochemical technology and tidal flow via siphon aeration.. **2022**, 299, 134376 0
- 655 Application and enhancement of medium pressure ultraviolet activated peroxydisulfate in treating incineration leachate. **2022**, 292, 121015 0
- 654 Reaction kinetics of dissolved black carbon with hydroxyl radical, sulfate radical and reactive chlorine radicals.. **2022**, 153984 0
- 653 Novel method based on inherent connection between absorption and fluorescence spectra for water contaminant analysis.. **2022**, 275, 121138 0
- 652 Correlation of structural extracellular polymeric substances in the mesh biofilms with solids retention time and biofilm hydraulic resistance in dynamic membrane bioreactors.. **2022**, 832, 155000 0
- 651 The use of a self-generated current in a coupled MFC-AnMBR system to alleviate membrane fouling. **2022**, 442, 136090 0
- 650 Sulfite activation using FeO as a source of ferrous ions for fluoxetine degradation: A collaborated experimental and DFT study. **2022**, 441, 135960 1
- 649 (Fe_{0.67}Mn_{0.33})OOH riched in oxygen vacancies facilitated the PMS activation of modified EMR for refractory foaming agent removal from mineral processing wastewater. **2022**, 441, 136024 0
- 648 Degradation of pesticide wastewater with simultaneous resource recovery via ozonation coupled with anaerobic biochemical technology.. **2022**, 300, 134520 1

647	Sexual hormones in a coastal river adjacent to the Bohai Sea: Characteristic pollutants and dominantly influencing factors.. 2022 , 212, 113133		0
646	Red Yeast Improves the Potential Safe Utilization of Solid Waste (Phosphogypsum and Titanogypsum) Through Bioleaching.. 2021 , 9, 777957		0
645	A review on treatment of disinfection byproduct precursors by biological activated carbon process. 2021 ,		1
644	Fluorescence ExcitationEmission Matrix Spectroscopy and Boosting Regression Tree Model to Detect Dissolved Organic Carbon in Water. 2021 , 13, 3612		0
643	Recovery of Iron-Dependent Autotrophic Denitrification Activity from Cell-Iron Mineral Aggregation-Induced Reversible Inhibition by Low-Intensity Ultrasonication.. <i>Environmental Science & Technology</i> , 2021 ,	10.3	1
642	Effects of oxidizing environment on digestate humification and identification of substances governing the dissolved organic matter (DOM) transformation process. 2022 , 16, 1		2
641	Integration of anammox into the MBR process for main stream sewage treatment. 2022 , 71, 193-210		0
640	Identifying and Monitoring the Landfill Leachate Contamination in Groundwater with SEC-DAD-FLD-OCD and a Portable Fluorescence Spectrometer. 2022 , 2, 165-173		0
639	Effects of dissolved organic matter characteristics on the photosensitized degradation of pharmaceuticals in wastewater treatment wetlands.. 2022 ,		0
638	Effects of thermophiles inoculation on the efficiency and maturity of rice straw composting.. 2022 , 354, 127195		0
637	Best practices for solar water production technologies.		12
636	Identification of Dissolved Organic Matter Origin Using Molecular Level Analysis Methods. 2022 , 14, 1317		0
635	Assessing the Lability and Environmental Mobility of Organically Bound Copper by Stable Isotope Dilution.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	
634	Ti4O7 reactive electrochemical membrane for humic acid removal: Insights of electrosorption and electrooxidation. 2022 , 121112		0
633	Landfill leachate treatment in-depth by bio-chemical strategy: microbial activation and catalytic ozonation mechanism. 2022 , 136464		0
632	Pretreatment of Rice Straw by Newly Isolated Fungal Consortium Enhanced Lignocellulose Degradation and Humification during Composting.. 2022 , 127150		0
631	Revealing the influencing mechanisms of polystyrene microplastics (MPs) on the performance and stability of the algal-bacterial granular sludge.. 2022 , 354, 127202		1
630	Ecological circular agriculture: A case study evaluating biogas slurry applied to rice in two soils.. 2022 , 134628		1

629	Coupling of hydrothermal pretreatment and supercritical water gasification of sewage sludge for hydrogen production. 2022,	1
628	Integrating 16S rRNA amplicon metagenomics and selective culture for developing thermophilic bacterial inoculants to enhance manure composting.. 2022, 144, 357-365	1
627	Coupling anammox and feammox via polymeric ferric sulfate: An efficient and aeration-saving way for nitrogen removal. 2022, 355, 131788	1
626	Light alters microbiota and electron transport: Evidence for enhanced mesophilic digestion of municipal sludge.. 2022, 217, 118447	0
625	Decrease the effective temperature of hydrothermal treatment for sewage sludge deep dewatering: Mechanistic of tannic acid aided.. 2022, 217, 118450	0
624	Determination of cost-effective optimum coagulant dosage for removal of disinfection by-product precursors in water treatment based on the theory of elasticity. 2022, 47, 102782	
623	Fouling investigation of cartridge filter (CF) used as "firewall" in a nanofiltration drinking water plant.. 2022, 212, 113289	
622	Considering the ionic strength for proper use of 1 or 2-ligands model for static fluorescence quenching or enhancement.. 2022, 277, 121255	
621	Unveiling significance of Ca ion for start-up of aerobic granular sludge reactor by distinguishing its effects on physicochemical property and bioactivity of sludge.. 2022, 212, 113299	0
620	Humic acid promoted activation of peroxymonosulfate by FeS for degradation of 2,4,6-trichlorophenol: An experimental and theoretical study.. 2022, 434, 128913	1
619	Impacts of haze on the photobleaching of chromophoric dissolved organic matter in surface water.. 2022, 212, 113305	
618	Impacts of bio-carriers on the characteristics of cake layer and membrane fouling in a novel hybrid membrane bioreactor for treating mariculture wastewater.. 2022, 134593	0
617	Characterization and flocculation performance of a newly green flocculant derived from natural bagasse cellulose.. 2022, 301, 134615	0
616	Data_Sheet_1.doc. 2018,	
615	Data_Sheet_1.pdf. 2020,	
614	Data_Sheet_1.docx. 2018,	
613	Data_Sheet_1.docx. 2020,	
612	Image_1.JPEG. 2019,	

611 Image_2.JPEG. 2019,

610 Image_3.JPEG. 2019,

609 Image_4.JPEG. 2019,

608 Image_5.JPEG. 2019,

607 Image_6.jpeg. 2019,

606 Table_1.docx. 2019,

605 Persistence of Dissolved Organic Matter (Dom) and Its Driving Factors in A Typical Plateau Eutrophic Lake.

604 Synergistic hydrothermal treatment of food waste digestate residues and incineration fly ash: dehydration performance and heavy metals safety.

603 Effects of Membrane Pretreatment Methods on Mitigation of Organic Fouling in Nanofiltration Membrane.

602 Comparison of Organic Matter Properties and Disinfection By-Product Formation between the Typical Groundwater and Surface Water. 2022, 14, 1418

601 Haloacetamides Formation and Fate in Drinking Water Treatment Process of the Lower Nakdong River: Comparison of Summer and Winter Seasons. 2022, 44, 132-142

600 Efficient destruction of humic acid with a self-purification process in an Fe0-FeyCz/Fex-GZIF-8-rGO aqueous suspension. 2022, 136625

599 Anaerobic co-digestion of thermo-alkaline pretreated microalgae and sewage sludge: Methane potential and microbial community. 2022,

598 Variation in Dissolved Organic Matter Using Absorbance and Fluorescence Measurements during Dry Season in Sta. Rosa and Cabuyao Rivers, Philippines. 2022, 14, 1444

597 Facile Differentiation of Four Sources of Water-Soluble Organic Carbon in Atmospheric Particulates Using Multiple Fluorescence Spectral Fingerprints. 2022, 9, 359-365

596 CTAB-assisted fabrication of hierarchical flower-like magnesium oxide adsorbent for enhanced removal performance towards phosphate. 2022,

595 A 3D Fluorescence Classification and Component Prediction Method Based on VGG Convolutional Neural Network and PARAFAC Analysis Method. 2022, 12, 4886

594 Removal of extracellular deoxyribonucleic acid increases the permeability and mass transfer of anammox granular sludge with different sizes.. 2022, 302, 134898

593	Polyaniline derived carbon membrane and its in-situ membrane fouling mitigation performance in MBR based on metal-free electro-Fenton. 2022 , 118564		0
592	Effect of Biochar Addition on Phosphorus Adsorption Characteristics of Red Soil. 2022 , 10,		1
591	Origin of the Excellent Activity and Selectivity of a Single-Atom Copper Catalyst with Unsaturated Cu-N Sites via Peroxydisulfate Activation: Cu(III) as a Dominant Oxidizing Species.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	4
590	Strategy to Promote the Biodegradation of Phenanthrene in Contaminated Soil by a Novel Bacterial Consortium in Slurry Bioreactors.. 2022 , 19,		1
589	Effects of persulfate-assisted hydrothermal treatment of municipal sludge on aqueous phase characteristics and phytotoxicity. 2022 ,		0
588	Effects of ammonia on electrochemical active biofilm in Microbial Electrolysis Cells for synthetic swine wastewater treatment. 2022 , 118570		0
587	Disinfection byproducts formed during drinking water treatment reveal an export control point for dissolved organic matter in a subalpine headwater stream.. 2022 , 15, 100144		1
586	Drought, megafires and flood - climate extreme impacts on catchment-scale river water quality on Australia's east coast.. 2022 , 218, 118510		1
585	Effect mechanism of shear stress on hollow anammox granules in low strength wastewater treatment. 2022 , 10, 107696		
584	Variations in NOM during floc aging: Effect of typical Al-based coagulants and different particle sizes.. 2022 , 218, 118486		0
583	Soybean straw biochar activating peroxydisulfate to simultaneously eliminate tetracycline and tetracycline resistance bacteria: Insights on the mechanism.. 2022 , 218, 118489		1
582	Denitrification strategy of <i>Pantoea</i> sp. MFG10 coupled with microbial dissimilatory manganese reduction: Deciphering the physiological response based on extracellular secretion.. 2022 , 355, 127278		0
581	A modified packed anaerobic baffled reactor based on phase separation for the treatment of decentralized wastewater: Performance and microbial communities. 2022 , 183, 108455		0
580	Responses of anammox to long-term p-nitrophenol stress: From apparent and microscopic phenomena to mechanism simulation.. 2022 , 355, 127265		0
579	Nitrogen recovery from a palladium leachate via membrane distillation: System performance and ammonium chloride crystallization. 2022 , 183, 106368		1
578	Effects of phosphate-containing additives and zeolite on maturity and heavy metal passivation during pig manure composting.. 2022 , 836, 155727		0
577	Microbial metabolism changes molecular compositions of riverine dissolved organic matter as regulated by temperature.. 2022 , 306, 119416		0
576	Sludge reduction and microbial community evolution of activated sludge induced by metabolic uncoupler o-chlorophenol in long-term anaerobic-oxic process.. 2022 , 316, 115230		0

575	Chemically induced alteration in PAC characteristics and its influences on PAC/UF water treatment: Implications for on-line membrane cleaning with NaClO. 2022 , 294, 121130	0
574	Developing a molecularly imprinted channels catalyst based on template effect for targeted removal of organic micropollutants from wastewaters. 2022 , 445, 136755	1
573	Long-term direct ultrafiltration without chemical cleaning for purification of micro-polluted water in rural regions: Feasibility and application prospects. 2022 , 443, 136531	
572	Morphologically-different cells and colonies cause distinctive performance of coagulative colloidal ozone microbubbles in simultaneously removing bloom-forming cyanobacteria and microcystin-LR.. 2022 , 435, 128986	
571	Simultaneous removal of algae, microcystins and disinfection byproduct precursors by peroxymonosulfate (PMS)-enhanced Fe(III) coagulation. 2022 , 445, 136689	0
570	Fenton micro-reactor on a bubble: A novel microbubble-triggered simultaneous capture and catalytic oxidation strategy for recalcitrant organic pollutant removal.. 2022 , 835, 155556	0
569	Built-in electric field mediated peroxymonosulfate activation over biochar supported-Co ₃ O ₄ catalyst for tetracycline hydrochloride degradation. 2022 , 444, 136589	1
568	A new integrated single-chamber air-cathode microbial fuel cell - Anaerobic membrane bioreactor system for improving methane production and membrane fouling mitigation. 2022 , 655, 120591	0
567	Mineralization of organic matter during the immobilization of heavy metals in polluted soil treated with minerals.. 2022 , 134794	0
566	Spectral characteristics of dissolved organic carbon (DOC) derived from biomass pyrolysis: Biochar-derived DOC versus smoke-derived DOC, and their differences from natural DOC.. 2022 , 302, 134869	1
565	Purification of polluted surface water by sponge moving bed membrane bioreactor with short hydraulic retention time operation.	0
564	Gel-based nanocomposite using persulfate-activated bread crumbs for fulvic acid release and Pb(II) removal. 2022 , 137002	0
563	Effects of biological activated carbon filter running time on disinfection by-product precursor removal.. 2022 , 155936	0
562	Size-dependent transport and fouling formation of organic matters in a pilot-scale PFFO ₂ O hybrid system for real wastewater treatment. 2022 , 132233	0
561	Pyrite catalyzed peroxydisulfate for improving dewaterability of waste activated sludge: Reaction sequence of hydrophobic/hydrophilic structures. 2022 , 107921	0
560	Effects of voltage and pressure on sludge electro-dewatering process and the dewatering mechanisms investigation. 2022 , 113490	1
559	The response of anaerobic ammonium oxidation process to bisphenol-A: Linking reactor performance to microbial community and functional gene. 2022 , 156030	
558	An innovative method for the fractionation and pretreatment of pig farm biogas slurry by ultrafiltration. 2022 , 48, 102859	

- 557 Thiosulfate-assisted Fe²⁺/persulfate pretreatment effectively alleviating iron dose and enhancing biotransformation of waste activated sludge into high-value liquid products. **2022**, 135106 ○
- 556 Comparison of extraction methods for extracellular polymeric substances (EPS) and dynamic characterization of EPS from sessile microorganisms during pyrite bioleaching. **2022**, 10, 107922 ○
- 555 Coagulation behavior of polyaluminum-titanium chloride composite coagulant with humic acid: A mechanism analysis. **2022**, 220, 118633 ○
- 554 Enhancement of lead removal from soil by in-situ release of dissolved organic matters from biochar in electrokinetic remediation. **2022**, 361, 132294 ○
- 553 Photocatalytic carbon hybrids for the elimination of diverse pollutants under visible light: Performances, influencing factors and insight into the novel mechanism. **2022**, 295, 121311 ○
- 552 Assessment of potential biotoxicity induced by biochar-derived dissolved organic matters to biological fermentative H₂ production. **2022**, 838, 156072 ○
- 551 Electrochemical treatment for leachate membrane retentate: Performance comparison of electrochemical oxidation and electro-coagulation technology. **2022**, 303, 134986 ○
- 550 Impacts of cooking, pyrolysis and HTC pretreatments of noodles waste on evolution of products in activation. **2022**, 324, 124644 ○
- 549 The humic acid-like substances released from *Microcystis aeruginosa* contribute to defending against smaller-sized microplastics. **2022**, 303, 135034 ○
- 548 Comparison of the formation of N-nitrosodimethylamine (NDMA) from algae organic matter by chlor(am)ination and UV irradiation. **2022**, 838, 156078 ○
- 547 Shale Gas Fracturing Backflow Water Deep Treatment Engineering - a Case Study.
- 546 Identifying Key Residual Aluminum Species Responsible for Aggravation of Nanofiltration Membrane Fouling.
- 545 Dissolved organic matter within oil and gas associated wastewaters from U.S. unconventional petroleum plays: Comparisons and consequences for disposal and reuse. **2022**, 156331
- 544 Characterization and Analysis of Acetaldehyde Wastewater by Molecular Weight Distribution, Hydrophilicity, and Chemical Composition. **2022**, 14, 6540
- 543 Synergistic effect of chitosan-based sludge aggregates CS@NGS inoculum accelerated the start-up of biofilm reactor treating aquaculture effluent: Insights into performance, microbial characteristics, and functional genes. **2022**, 135097 ○
- 542 Characterising the stability of the organic matter during anaerobic digestion: a selective review on the major spectroscopic techniques. 3
- 541 Response of electron transfer capacity of humic substances to soil microenvironment. **2022**, 113504 ○
- 540 Efficient Disposal of the Aqueous Products of Wet Organic Waste Hydrothermal Carbonization by Paddy Constructed Wetlands. 1

539	Dissolved organic matter derived from aquatic plants in constructed wetlands: Characteristics and disinfection byproducts formation. 2022 , 107991	1
538	The potential reuse of drinking water treatment sludge for organics removal and disinfection by-products formation control. 2022 , 108001	0
537	Performance and mechanism of Chlorella in swine wastewater treatment: roles of nitrogen-phosphorus ratio adjustment and indigenous bacteria. 2022 , 127402	0
536	Optimization of low-intensity ultrasonic irradiation for low-strength sewage treatment in anaerobic baffled reactor. 2022 , 108022	
535	Morphological and Spatial Heterogeneity of Microbial Communities in Pilot-Scale Autotrophic Integrated Fixed-Film Activated Sludge System Treating Coal to Ethylene Glycol Wastewater. 2022 , 13,	
534	Optimizing dose of coagulant and pH values for membrane fouling control in a submerged membrane bioreactor.	0
533	Real-Time Monitoring and Controlling of Water Quality in Water Distribution Networks Based on Flow Cytometry and Fluorescence Spectroscopy. 2022 ,	0
532	Enhancing microbial electrosynthesis by releasing extracellular polymeric substances: Novel strategy through extracellular electron transfer improvement. 2022 , 184, 108496	0
531	PVDF membranes modified with diblock copolymer PEO-b-PMMA as additive: Effects of copolymer and barrier pore size on filtration performance and fouling in a membrane bioreactor. 2022 ,	0
530	Bioleaching of rare-earth elements from phosphate rock using Acidithiobacillus ferrooxidans.	0
529	Encapsulation of bacteria in different stratified extracellular polymeric substances and its implications for performance enhancement and resource recovery. 2022 , 220, 118684	0
528	Deciphering the effect of algae sources on the formation of algal-bacterial granular sludge: Endogenous versus exogenous algae. 2022 , 363, 132468	0
527	Bioelectrochemical processes and cellulosic carbon source enhance the autotrophic and heterotrophic denitrification of low C/N ratio wastewater in tidal flow constructed wetland - Microbial fuel cells. 2022 , 363, 132368	0
526	Combined effects of ferrihydrite coating and ionic type on the transport of compost-derived dissolved organic matter in saturated porous media. 2022 , 307, 119501	
525	Advanced oxidation processes and selection of industrial water source: A new sight from natural organic matter. 2022 , 303, 135183	0
524	Enhancing the dewaterability of waste activated sludge by the combined ascorbic acid and zero-valent iron/persulfate system. 2022 , 303, 135104	0
523	A novel system of two-stage partial nitritation/hydroxyapatite (HAP)-anammox treating effluent of anaerobic membrane reactor: Performance, elemental flow and nutrient recovery potentials. 2022 , 184, 106421	0
522	How does the polyhexamethylene guanidine interact with waste activated sludge and affect the metabolic functions in anaerobic fermentation for volatile fatty acids production. 2022 , 839, 156329	0

- 521 Effect of ozone pretreatment on biogranulation with partial nitritation - Anammox two stages for nitrogen removal from mature landfill leachate. **2022**, 317, 115470 ○
- 520 Organic matter removal performance, pathway and microbial community succession during the construction of high-ammonia anaerobic biosystems treating anaerobic digestate food waste effluent. **2022**, 317, 115428
- 519 Molecular level insights into HO₂ and Cl₂ mediated transformation of dissolved organic matter in landfill leachate concentrates during the Fenton process. **2022**, 446, 137062 ○
- 518 Insight into the interaction between trimethoprim and soluble microbial products produced from biological wastewater treatment processes. **2023**, 124, 130-138 1
- 517 Improving sludge dewaterability via Fe²⁺ chelated citrate activated peroxydisulfate oxidation. **2023**, 125, 223-233 1
- 516 Insights into reactive oxygen species formation induced by water-soluble organic compounds and transition metals using spectroscopic method. **2023**, 124, 835-845 ○
- 515 Research on One-Step Advanced Treatment of Old Landfill Leachate by Sequential Electrochemical Peroxidation-Electro-Fenton Process.
- 514 Investigation on Characteristics of Landfill Leachate and Feasibility Study of Low-Temperature Vacuum Evaporation Process.
- 513 Characteristics of typical dissolved black carbons and their influence on the formation of disinfection by-products in chlor(am)ination. **2022**, 16, ○
- 512 New insights into the transformation of effluent organic matter during Fe(II)-assisted advanced oxidation processes: Parallel factor analysis coupled with self-organizing maps. **2022**, 118789 ○
- 511 Sodium Percarbonate Activation by Plasma-Generated Ozone for Catalytic Degradation of Dye Wastewater: Role of Active Species and Degradation Process. **2022**, 12, 681 ○
- 510 A novel application of dissolved ozone flotation on sewage sludge thickening: Performance and mechanism investigation. **2022**, 156874 ○
- 509 Effects of the chlorination on organic matter removal and microbial communities during soil aquifer treatment for wastewater reclamation. 1-12
- 508 Alleviation of ZnO nanoparticles-induced methanogenic inhibition by granular activated carbon. 1-28
- 507 Effect of Fertilizer Application on Watermelon Growth, Structure of Dissolved Organic Matter and Microbial Functional Diversity in Organic Substrates. **2022**, 14, 6951
- 506 Organic matter deactivation can increase the amount of hydroxyl radical transfer leading to the oriented oxidation of long-chains alkanes. **2022**, 108165 ○
- 505 Origin, accumulation and fate of dissolved organic matter in an extreme hypersaline shallow lake. **2022**, 118727 1
- 504 Mechanistic insights into bio-stabilization of lead in flue gas by sulfate-reducing bioreactor. **2022**, 137564

- 503 Quantitative study on the structure-bioavailability relationship of dissolved organic nitrogen in wastewater treatment plant effluent.
- 502 Tobacco Waste Liquid-Based Organic Fertilizer Particle for Controlled-Release Fulvic Acid and Immobilization of Heavy Metals in Soil. **2022**, 12, 2056
- 501 Co-composting of kitchen waste with agriculture and forestry residues and characteristics of compost with different particle size: An industrial scale case study. **2022**, 149, 313-322 ○
- 500 Step feed mode synergistic mixed carbon source to improve sequencing batch reactor simultaneous nitrification and denitrification efficiency of domestic wastewater treatment. **2022**, 358, 127440 ○
- 499 Natural versus anthropogenic controls on the dissolved organic matter chemistry in lakes across China: Insights from optical and molecular level analyses. **2022**, 221, 118779 ○
- 498 Construction of carbon quantum dots sensitized porous carbon nitride/titanium dioxide nanosheets for enhancing visible light photocatalytic degradation of tetracycline. **2022**, 10, 108083 1
- 497 Insight into dead space effects in granular anammox process with organic stress. **2022**, 359, 127504 ○
- 496 Influence of asphalt-derived volatiles on property of the biochar from pyrolysis of sawdust. **2022**, 234, 107343
- 495 Enhanced metal bioleaching mechanisms of extracellular polymeric substance for obsolete LiNi_xCo_yMn_{1-x-y}O₂ at high pulp density. **2022**, 318, 115429 ○
- 494 Effect of electron shuttles on typical perfluoroalkyl substance removal via iron oxide reduction in wetland sediment. **2022**, 365, 132821 ○
- 493 Fouling and chemically enhanced backwashing performance of low-pressure membranes during the treatment of shale gas produced water. **2022**, 840, 156664 ○
- 492 Isolation of LC-OCD-quantified biopolymers from surface water: Significant differences between real biopolymers and model biopolymers. **2022**, 658, 120714 1
- 491 Insight into the sludge reduction performances by hydrodynamic cavitation. **2022**, 49, 102950
- 490 Enhanced denitrification of dispersed swine wastewater using Ca(OH)₂-pretreated rice straw as a solid carbon source. **2022**, 305, 135316 ○
- 489 Effect of long-term operations on the performance of hollow fiber membrane contactor (HFMC) in recovering dissolved methane from anaerobic effluent. **2022**, 841, 156601 ○
- 488 Stable and rapid partial nitrification achieved by boron stimulating autoinducer-2 mediated quorum sensing at room & low temperature. **2022**, 304, 135327 ○
- 487 Insights into the response of anammox sludge to the combined stress of nickel and salinity. **2022**, 842, 156670 ○
- 486 Understanding the effects of sludge characteristics on the biosorption of triclosan. **2022**, 842, 156665 ○

- 485 Insight into the nonradical mechanism of persulfate activation via visible-light for enhanced degradation of sulfonamides without catalyst. **2022**, 316, 121653 1
- 484 Pb0 Flue Gas Biosorption in Denitrifying Mbfr: Characteristics and Binding Ability of Extracellular Polymeric Substances.
- 483 Fouling Behavior of Anion-Exchange Membrane During Electrodialysis of Biogas Slurry: Correlation to Applied Current.
- 482 Behavior of Biopolymers in Integrated Membrane System for Reclamation of Municipal Wastewater Effluent. **2022**, 45, 159-169
- 481 Environmental screening of water associated with shale gas extraction by fluorescence excitation emission matrix.
- 480 Inhibition of Methylmercury Uptakes by Freshwater Phytoplankton in Presence of the Algae-Derived Organic Matter.
- 479 Hydroxylamine Activated by Discharge Plasma for Synergetic Degradation of Tetracycline in Water: Insight into Performance and Mechanism.
- 478 The Effect of Activated Sludge Treatment and Catalytic Ozonation on High Concentration of Ammonia Nitrogen Removal from Landfill Leachate.
- 477 Deciphering the Internal Driving Mechanism of Microbial Community for Carbon Conversion and Nitrogen Fixation During Food Waste Composting with Multifunctional Microbial Inoculation.
- 476 Removal efficiency of organic contaminants in landfill leachate contaminated groundwater under oxygen microbiano bubble aeration.
- 475 Formation of THMs in the Separated Components of DOM in Jiulong River during Chlorination and Chloramination. **2022**,
- 474 Spatial assessment of tap-water safety in China. 0
- 473 A Novel Anaerobic Gravity-Driven Dynamic Membrane Bioreactor (AnGDMBR): Performance and Fouling Characterization. **2022**, 12, 683
- 472 Bioavailability of Colloidal Iron to Heterotrophic Bacteria in Sediments, and Effects on the Mobility of Colloid-Associated Metal(loid)s. **2022**, 12, 812 0
- 471 In-Situ Sludge Reduction in Membrane-Controlled Anoxic-Oxic-Anoxic Bioreactor: Performance and Mechanism. **2022**, 12, 659 0
- 470 Interactions between tannins allelochemicals and extracellular polymeric substance (EPS) of *Microcystis aeruginosa*. 0
- 469 A innovative stepwise strategy using magnetic Fe₃O₄-co-graft tannin / polyethyleneimine composites in a coupled process of sulfate radical - advanced oxidation processes to control harmful algal blooms. **2022**, 129485 0
- 468 Spectroscopic Characteristics and Speciation Distribution of Fe(III) Binding to Molecular Weight-Dependent Standard Pahokee Peat Fulvic Acid. **2022**, 19, 7838

467	Effect of extrusion-spheronization granulation and manganese loading on catalytic ozonation of petrochemical wastewater.		
466	Dissolved Organic Matter Promotes the Aging Process of Polystyrene Microplastics under Dark and Ultraviolet Light Conditions: The Crucial Role of Reactive Oxygen Species. <i>Environmental Science & Technology</i> , 2022 , 56, 10149-10160	10.3	1
465	Fluorescence detection of phosphate in an aqueous environment by an aluminum-based metal-organic framework with amido functionalized ligands. 2022 , 16,		2
464	Characterising the interactions between Cu(II) and fulvic acid subcomponents using differential fluorescence spectroscopy combined with parallel factor analysis.		
463	A comparative study of removal efficiency of organic contaminant in landfill leachate-contaminated groundwater under micro-nano-bubble and common bubble aeration.		0
462	Investigating the Evolution of Structural Characteristics of Humic Acid Generated during the Continuous Anaerobic Digestion and Its Potential for Chromium Adsorption and Reduction. 2022 , 8, 322		0
461	Deciphering the internal driving mechanism of microbial community for carbon conversion and nitrogen fixation during food waste composting with multifunctional microbial inoculation. 2022 , 127623		1
460	Multiple Roles of Dissolved Organic Matter in Advanced Oxidation Processes. <i>Environmental Science & Technology</i> ,	10.3	3
459	Molecular insight into the release of phosphate from dissolved organic phosphorus photo-mineralization in shallow lakes based on FT-ICR MS analysis. 2022 , 222, 118859		1
458	Effect of pre-coagulation on catalytic ozonation in the tertiary treatment of coking wastewater: Kinetic and ozone consumption analysis. 2022 , 48, 102856		1
457	Understanding mechanism of improved-dewatering of waste activated sludge by multi-stage pressurized vertical electro-osmotic. 2022 , 164, 846-856		1
456	Evaluating the role of biochar in mitigating the inhibition of polyethylene nanoplastics on anaerobic granular sludge. 2022 , 221, 118855		0
455	Steam reforming of guaiacol and n-hexanol for production of hydrogen: Effects of aromatic and aliphatic structures on properties of the coke. 2022 , 528, 112498		0
454	A manganese-oxidizing bacterium- <i>Enterobacter hormaechei</i> strain DS02Eh01: Capabilities of Mn(II) immobilization, plant growth promotion and biofilm formation. 2022 , 309, 119775		0
453	Understanding the mechanism of denitrifying phosphorus removal from the perspective of intracellular carbon source and extracellular polymeric substances characteristics. 2022 , 367, 133115		0
452	Improving kitchen waste composting maturity by optimizing the processing parameters based on machine learning model. 2022 , 360, 127606		0
451	Efficiently combined technology of precipitation, bipolar membrane electrodialysis, and adsorption for salt-containing soil washing wastewater treatment. 2022 , 165, 205-216		1
450	Toward emerging contaminants removal using acclimated activated sludge in the gravity-driven membrane filtration system. 2022 , 438, 129541		0

- 449 Identifying key residual aluminum species responsible for aggravation of nanofiltration membrane fouling in drinking water treatment. **2022**, 659, 120833 ○
- 448 Acid/alkali pretreatment enhances the formation of vivianite during anaerobic fermentation of waste activated sludge. **2022**, 319, 115760 ○
- 447 Hydrothermal oxidation-precipitation method for recovering phosphorus from dewatered sludge and the mechanisms involved. **2022**, 298, 121580
- 446 Energy recovery from high ash-containing sewage sludge: Focusing on performance evaluation of bio-fuel production. **2022**, 843, 157083 ○
- 445 The complexation between transition metals and water-soluble organic compounds (WSOC) and its effect on reactive oxygen species (ROS) formation. **2022**, 287, 119247 ○
- 444 Organics composition and microbial analysis reveal the different roles of biochar and hydrochar in affecting methane oxidation from paddy soil. **2022**, 843, 157036 ○
- 443 Comparison of organic matter (OM) pools in water, suspended particulate matter, and sediments in eutrophic Lake Taihu, China: Implication for dissolved OM tracking, assessment, and management. **2022**, 845, 157257 ○
- 442 Dewatering municipal wastewater sludge using electro-coagulation combined with added free nitrous acid. **2022**, 306, 135484 ○
- 441 Deciphering the structural characteristics and molecular transformation of dissolved organic matter during the electrolytic oxygen aerobic composting process. **2022**, 845, 157174 ○
- 440 Efficient treatment of landfill leachate using an electrochemical ceramic membrane filtration system: Chlorine-mediated oxidation. **2022**, 450, 138102
- 439 Insights into the resistance of different extracellular polymeric substance (EPS) layers to the fermentation environment in sludge anaerobic digestion. **2022**, 449, 137844 ○
- 438 Effects of different dissolved organic matter on peroxymonosulfate activation over Co-Fe binary metal: Experiments and density functional theory. **2022**, 450, 137770 ○
- 437 Multiple Microplastics Induced Stress on Anaerobic Granular Sludge and an Effectively Overcoming Strategy Using Hydrochar. **2022**, 118895 ○
- 436 Manganese oxidation and prokaryotic community analysis in a polycaprolactone-packed aerated biofilm reactor operated under seawater conditions. **2022**, 12, ○
- 435 Synthesis and characterization of TiO₂/ZnO heterostructural composite for ultraviolet photocatalytic degrading DOM in landfill leachate. ○
- 434 Characteristics of dissolved organic matter in urban road runoff under different traffic densities in Beijing, China. ○
- 433 Mechanism of dielectric barrier discharge plasma technology to improve the quantity of short-chain fatty acids in anaerobic fermentation of waste active sludge. 13, 1
- 432 Membrane Fouling Mitigation by Coagulation and Electrostatic Repulsion Using an electro-AnMBR in Kitchen Wastewater Treatment. **2022**, 118883 ○

- 431 Identification of key precursors contributing to the formation of CX3R-type disinfection by-products along the typical full-scale drinking water treatment processes. **2022**, ○
- 430 Efficient photocatalytic inactivation of *Microcystis aeruginosa* via self-floating Ag₃VO₄/BiVO₄ hydrogel under visible light. **2022**, 299, 121803 ○
- 429 The effect of activated sludge treatment and catalytic ozonation on high concentration of ammonia nitrogen removal from landfill leachate. **2022**, 361, 127668 1
- 428 The p-n heterojunction-engineered Bi₂MoO₆/KNbO₃ with 2D/3D architecture for enhanced photocatalytic activity towards benzene-containing contaminants under visible light illumination. **2022**, 10, 108302 ○
- 427 Long term operation performance and membrane fouling mechanisms of anaerobic membrane bioreactor treating waste activated sludge at high solid concentration and high flux. **2022**, 846, 157435
- 426 Electrochemically driven Fe⁰-activated sulfite oxidation for enhancing sludge dewaterability. **2022**, 450, 138199 ○
- 425 Insight into the hetero-interactions of 4-nonylphenol with dissolved organic matter: multiple spectroscopic methods, ¹H NMR study and principal component analysis. **2022**, 12, 22416-22424
- 424 Humic Acid from Hydrochar: Correlation between Unsaturation and Hydrothermal Humification of Hydrochar.
- 423 Preferential Destruction of Micropollutants in Water through a Self-Purification Process with Dissolved Organic Carbon Polar Complexation. **2022**, 56, 10849-10856 ○
- 422 Challenges in Quantifying and Characterizing Dissolved Organic Carbon Sampling, Isolation, Storage, and Analysis. 1
- 421 Study on the occurrence characteristics and removal of DOM based on the mine water treatment station.
- 420 Investigating the Binding Properties between Strontium and Dissolved Organic Matter under the Influence of pH and Ca²⁺ in a Typical Karst Area, China. **2022**, 11, 1376
- 419 Characteristics of dissolved organic matter in two alternative water sources: A comparative study between reclaimed water and stormwater. **2022**, 158235
- 418 Sulfur-Doped Graphene-Activated Perdisulfate for Synergetic Destruction of Bisphenol A and Complex Microbial Flora.
- 417 Efficient Removal of Organic Matter from Biotreated Coking Wastewater by Coagulation Combined with Sludge-Based Activated Carbon Adsorption. **2022**, 14, 2446 1
- 416 Close Association between Stream Water Quality and Fluorescence Properties of Dissolved Organic Matter in Agriculture-Dominated Watersheds. **2022**, 14, 2459
- 415 Aggregation and settling characteristics of particulate matter and DOM in a southern China reservoir: Influence of hydraulic conditions and dosing methods. **2022**,
- 414 Simultaneous and Efficient Removal of Linear Alkylbenzenesulfonate and Nitrogen in a Membrane Biofilm Reactor under Low Dissolved Oxygen Conditions. 1

- 4¹³ Inhibition of phenolic compounds from entering condensed freshwater by surfactant-modified evaporators during solar-driven seawater desalination. **2022**, 121992
- 4¹² Green Solvent Cleaning Removes Irrecoverable Foulants from End-of-Life Membranes in Membrane Bioreactors: Efficacy and Mechanisms. 1
- 4¹¹ Intensive routine cleaning for mitigation of fouling in flat-sheet ceramic membranes used for drinking water production: unique characteristics of resulting foulants. **2022**, 121950
- 4¹⁰ Formation characteristics of disinfection byproducts from four different algal organic matter during chlorination and chloramination. **2022**, 136171 0
- 4⁰⁹ Comparative evaluation of MSW incineration leachate treatment by heterogeneous catalytic O₃ and UV/O₃: The unexpected contribution of high salinity and overlooked role of excited state. **2022**, 136143
- 4⁰⁸ Study on performance of carbon source released from fruit shells and the effect on biological denitrification in the advanced treatment. **2022**, 136173 0
- 4⁰⁷ Inferring Ecosystem Function from Dissolved Organic Matter Optical Properties: A Critical Review. **2022**, 56, 11146-11161 3
- 4⁰⁶ Efficiencies of O-MBR and A/O-MBR for Organic Matter Removal from and Trihalomethane Formation Potential Reduction in Domestic Wastewater. **2022**, 12, 761 0
- 4⁰⁵ Harsh temperature induces *Microcystis aeruginosa* growth enhancement and water deterioration during vernalization. **2022**, 223, 118956 0
- 4⁰⁴ Effects of desloratadine on activated sludge: Behaviour of EPS and sludge properties. **2022**, 10, 108415 0
- 4⁰³ Rhizodeposition and litter decomposition of *Phragmites australis* play important roles in composition and properties of soil dissolved organic matter. **2022**, 142, 109275 0
- 4⁰² Deciphering the effect of exogenous lignocellulases addition on the composting efficiency and microbial communities. **2022**, 361, 127751
- 4⁰¹ Synchronous removal of pharmaceutical contaminants and inactivation of pathogenic microorganisms in real hospital wastewater by electro-peroxone process. **2022**, 168, 107453 0
- 4⁰⁰ Potassium ferrate enhances ozone treatment of pharmaceutical wastewaters: Oxidation and catalysis. **2022**, 49, 103055 1
- 399 Membrane fouling behaviors and evolution during food waste digestate treatment. **2022**, 660, 120883
- 398 Electrochemical pretreatment enhancing co-fermentation of waste activated sludge and food waste into volatile fatty acids: Performance, microbial community dynamics and metabolism. **2022**, 361, 127736 0
- 397 Impact of hydroxyl aluminum speciation on dewaterability and pollutants release of dredged sludge using polymeric aluminum chloride. **2022**, 49, 103051
- 396 Exogenous iron alters uptake and translocation of CuO nanoparticles in soil-rice system: A life cycle study. **2022**, 168, 107479

- 395 Coupled dynamics of aqueous biogeochemistry in contrasting floodplain environments: Implications for Critical Zone carbon sequestration along redox gradients. **2022**, 145, 105413
- 394 Mobility of water-soluble aerosol organic matters (WSAOMs) and their effects on soil colloid-mediated transport of heavy metal ions in saturated porous media. **2022**, 440, 129733 ○
- 393 Insight into complexation of Cd(II) and Cu(II) to fulvic acid based on feature recognition of PARAFAC combined with 2DCOS. **2022**, 440, 129758 1
- 392 Improving cell permeability and stimulating biofilm to release extracellular polymeric substances with lysozyme for enhanced acetate production in microbial electrosynthesis. **2022**, 64, 102204 ○
- 391 Upgrading volatile fatty acids production from anaerobic co-fermentation of orange peel waste and sewage sludge: Critical roles of limonene on functional consortia and microbial metabolic traits. **2022**, 362, 127773 ○
- 390 Densification pretreatment triggers efficient methanogenic performance and robust microbial community during anaerobic digestion of corn stover. **2022**, 362, 127762 ○
- 389 Investigation on characteristics of landfill leachate and feasibility study of low-temperature vacuum evaporation treatment. **2022**, 10, 108451 ○
- 388 New insights into the distribution and interaction mechanism of microplastics with humic acid in river sediments. **2022**, 307, 135943 ○
- 387 Artificial humic acid facilitates biological carbon sequestration under freezing-thawing conditions. **2022**, 849, 157841 ○
- 386 Enhancement of sludge dewaterability by electrolysis coupled with peroxymonosulfate oxidation process: Performance, mechanisms and implications. **2022**, 307, 135865 ○
- 385 Biochar facilitates ferrihydrite reduction by *Shewanella oneidensis* MR-1 through stimulating the secretion of extracellular polymeric substances. **2022**, 848, 157560 1
- 384 Comparison of the disinfection efficacy between ferrate(VI) and chlorine in secondary effluent. **2022**, 848, 157712 ○
- 383 Enhanced dewaterability of lake dredged sediments by electrochemical oxidation of peroxydisulfate on BDD anode. **2022**, 307, 135832 ○
- 382 Deciphering the role of microplastic size on anaerobic sludge digestion: Changes of dissolved organic matter, leaching compounds and microbial community. **2022**, 214, 114032 ○
- 381 Hydroxylamine activated by discharge plasma for synergetic degradation of tetracycline in water: Insight into performance and mechanism. **2022**, 300, 121913 ○
- 380 Isolation and characterization of a novel thermotolerant alkali lignin-degrading bacterium *Aneurinibacillus* sp. LD3 and its application in food waste composting. **2022**, 307, 135859 ○
- 379 The binding effect and photooxidation on oxytetracycline with algal extracellular polymeric substances and natural organic matter. **2022**, 307, 135826 ○
- 378 Cooperation of heterotrophic bacteria enables stronger resilience of halophilic assimilation biosystem than nitrification system under long-term stagnation. **2022**, 848, 157806 ○

- 377 Non-metallic hollow porous sphere loaded CN/catalytic ozonation synergistic photocatalytic system: Enhanced treatment of emerging pollutants by three-stage cyclic reaction mechanism. **2022**, 318, 121881 2
- 376 Insight into the existent state of nitrogen-doped carbon dots in titanate nanotubes and their roles played toward simultaneous removal of coexisted Cu²⁺ and norfloxacin in water. **2022**, 628, 910-923 0
- 375 Enhanced statistical evaluation of fluorescence properties to identify dissolved organic matter dynamics during river high-flow events. **2022**, 851, 158016
- 374 In situ generated oxygen distribution causes maturity differentiation during electrolytic oxygen aerobic composting. **2022**, 850, 157939 0
- 373 Insights into the properties of surface waters and their associated nanofiltration membrane fouling: The importance of biopolymers and high molecular weight humics. **2023**, 451, 138682 0
- 372 Research on two-step advanced treatment of old landfill leachate by sequential electrochemical peroxidation-electro-Fenton process. **2023**, 451, 138746 0
- 371 Cost-efficient collagen fibrous aerogel cross-linked by Fe (III) /silver nanoparticle complexes for simultaneously degrading antibiotics, eliminating antibiotic-resistant bacteria, and adsorbing heavy metal ions from wastewater. **2022**, 122209 1
- 370 A novel MABR process based on HN-AD bacteria-chlorella symbiotic system: Effects of COD/TN ratios on performance, community structure, functional bacteria and key genes. **2022**, 49, 103157 0
- 369 Microbe Regulates the Mineral Photochemical Activity and Organic Matter Compositions in Water. **2022**, 225, 119164 0
- 368 Lead removal in flue gas from sludge incineration by denitrification: Insights from metagenomics and metaproteomics. **2022**, 244, 114059 0
- 367 Nitrogen removal performance and influencing factors of in situ utilization of soluble microbial products (SMPs) by an anammox and denitrification immobilized filler coupling system. **2022**, 49, 103150 0
- 366 Loose nanofiltration membranes for selective rejection of natural organic matter and mineral salts in drinking water treatment. **2022**, 662, 120970 2
- 365 Enhancement of biological nitrogen removal performance from low C/N municipal wastewater using novel carriers based on the nano-Fe₃O₄. **2022**, 363, 127914 0
- 364 Effects of potassium persulfate on nitrogen loss and microbial community during cow manure and corn straw composting. **2022**, 363, 127919 2
- 363 Evaluation of iron-loaded granular activated carbon used as heterogeneous fenton catalyst for degradation of tetracycline. **2022**, 322, 116077 1
- 362 Advanced aromatic organic compounds removal from refractory coking wastewater in a step-feed three-stage integrated A/O bio-filter: Spectrum characterization and biodegradation mechanism. **2022**, 322, 116140 0
- 361 Influence of thermally activated peroxodisulfate pretreatment on gaseous emission, dissolved organic matter and maturity evolution during spiramycin fermentation residue composting. **2022**, 363, 127964 0
- 360 A novel treatment for amelioration of sludge dewaterability using green starch-grafted flocculant and realized mechanism. **2022**, 301, 122060 0

359	Inhibition of methylmercury uptake by freshwater phytoplankton in presence of algae-derived organic matter. 2022 , 313, 120111	0
358	Towards engineering application: Integrating current strategies of promoting direct interspecies electron transfer to enhance anaerobic digestion. 2022 , 12, 100405	0
357	Functional bacterial consortium responses to biochar and implications for BDE-47 transformation: Performance, metabolism, community assembly and microbial interaction. 2022 , 313, 120120	0
356	Long-term impacts of polyethylene terephthalate (PET) microplastics in membrane bioreactor. 2022 , 323, 116234	0
355	Unravelling relationships between fluorescence spectra, molecular weight distribution and hydrophobicity fraction of dissolved organic matter in municipal wastewater. 2022 , 308, 136359	0
354	Integrated strategies for robust growth of <i>Chlorella vulgaris</i> on undiluted dairy farm liquid digestate and pollutant removal. 2022 , 852, 158518	2
353	Efficient photocatalytic organic degradation and disinfection performance for Ag/AgFeO ₂ /g-C ₃ N ₄ nanocomposites under visible-light: Insights into the photocatalysis mechanism. 2022 , 654, 130094	0
352	Effect of dissolved organic matter and its fractions on disinfection by-products formation upon karst surface water. 2022 , 308, 136324	1
351	Freezing method assists calcium hypochlorite for synergistically promoting methane production from sludge anaerobic digestion. 2022 , 324, 116243	0
350	Effects of salvaged cyanobacteria content on larval development and feedstock humification during black soldier fly larvae (<i>Hermetia illucens</i>) composting. 2022 , 215, 114401	1
349	Harvesting and preparation of sludge-based fibrous adsorbent for heavy metals removal: Effects of organic substances molecular weight. 2022 , 187, 106630	0
348	Sludge-based baking-free brick prepared by sewage sludge with high moisture content: Influence of process parameters and environmental risk assessment. 2022 , 10, 108576	0
347	Comprehensively understanding fouling properties of cake and bulk sludge in an anammox membrane bioreactor: Focusing on the composition, interfacial thermodynamics and microbial community. 2022 , 10, 108612	0
346	Identification of the biomethanation pathways during biological CO ₂ fixation with exogenous H ₂ addition. 2022 , 238, 107478	0
345	Impact of environmental factors and tributary contributions on tidal dissolved organic matter dynamics. 2022 , 308, 136384	1
344	Trace metal complexation with dissolved organic matter stresses microbial metabolisms and triggers community shifts: The intercorrelations. 2022 , 314, 120221	1
343	Effects of pre-treatments on the filtration performance of ultra-low pressure gravity-driven membrane in treating the secondary effluent: Flux stabilization and removal improvement. 2022 , 303, 122122	0
342	Improving sludge dewaterability by free nitrous acid and lysozyme pretreatment: Performances and mechanisms. 2023 , 855, 158648	0

- 341 Microbiologically induced calcite precipitation for in situ stabilization of heavy metals contributes to land application of sewage sludge. **2023**, 441, 129866 ○
- 340 Uv/H₂O₂/O₃ Removal Efficiency and Characterization of Algae-Derived Organic Matter and Odorous Substances. ○
- 339 A Novel Energy-Saving and Carbon-Reducing Symbiotic Mabr Technology: Effects of Cod/Tn Ratios on Performance Community Structure, Functional Bacteria and Key Genes. ○
- 338 Develop a Novel Sludge Treatment: Effects of a Green Starch-Grafted Flocculant on Bound Water, Protein and Hydrophobic Substance in Sludge Dewatering. ○
- 337 Fluorescence spectroscopy: Part II practical applications. **2022**, ○
- 336 Functional Stability Correlates with Dynamic Microbial Networks in Anammox Process. ○
- 335 Decomposition and Humification Process of Domestic Biodegradable Waste by Black Soldier Fly (*Hermetia Illucens L.*) Larvae from the Perspective of Dissolved Organic Matter. ○
- 334 Formation of Melanoidins and Development of Characterization Techniques During Thermal Pretreatment of Organic Solid Waste: A Critical Review. ○
- 333 Hydrothermal Carbonization of Sewage Sludge: Optimization of Operating Conditions Using Design of Experiment Approach and Evaluation of Resource Recovery Potential. ○
- 332 Formation Mechanism and Metabolic Pathways of Photogranule in Batch and Continuous-Flow Mode Under High Salinity Stress. ○
- 331 Impacts of Water-Sediment Regulation Scheme on Chromophoric Dissolved Organic Matter in the Lower Yellow River. ○
- 330 Alternative methods of monitoring emerging contaminants in water: a review. ○
- 329 Coal chemical industry membrane concentrates: characterisation and treatment by ozonation and catalytic ozonation processes. **2022**, ○
- 328 Effects of Free Nitrous Acid Combined with Alkyl Polyglucoside on Short-Chain Fatty Acids Production from Waste Activated Sludge Anaerobic Fermentation and Polyhydroxyalkanoates Synthesis. ○
- 327 Formation mechanism and metabolic pathways of photogranule in batch and continuous-flow mode under high salinity stress. **2023**, 452, 139306 1
- 326 A new view into three-dimensional excitation-emission matrix fluorescence spectroscopy for dissolved organic matter. **2023**, 855, 158963 1
- 325 Rapid start-up and humification of kitchen waste composting by an innovative biodrying-enhanced process. **2023**, 452, 139459 1
- 324 Insights into the effect of carbamazepine on the anaerobic fermentation of waste activated sludge: Performance, mechanisms and regulation. **2023**, 452, 139549 ○

323	Selective production of singlet oxygen for harmful cyanobacteria inactivation and cyanotoxins degradation: Efficiency and mechanisms. 2023 , 441, 129940	1
322	Combining real-time fluorescence spectroscopy and flow cytometry to reveal new insights in DOC and cell characterization of drinking water. 3,	0
321	Dissolved Organic Matter Features in Black Soldier Fly Larvae Frass Derived From Two Types of Meat and Bone Meals with Straw Amendments.	0
320	Using molecular weightBased fluorescent detector to characterize dissolved effluent organic matter in oxidation ditch with algae. 2022 , 29, 67418-67429	0
319	Key physiological traits and chemical properties of extracellular polymeric substances determining colony formation in a cyanobacterium. 2022 , 40, 1720-1731	0
318	Enhanced performance and electron transfer of sulfur-mediated biological process under polyethylene terephthalate microplastics exposure. 2022 , 223, 119038	1
317	Occurrence and source analysis of heavy metals and dissolved organic matter in Nanyi Lake.	0
316	Fabrication of Loose Nanofiltration Membranes with High Rejection Selectivity between Natural Organic Matter and Salts for Drinking Water Treatment. 2022 , 12, 887	0
315	Effects of arginine modified additives on humic acid formation and microbial metabolic functions in biogas residue composting. 2022 , 108675	0
314	Photo-Reactivity and Photo-Transformation of Algal Dissolved Organic Matter Unraveled by Optical Spectroscopy and High-Resolution Mass Spectrometry Analysis. 2022 , 56, 13439-13448	0
313	Effect of 2,4-dichlorophenol on the production of methane from anaerobic granular sludge during anaerobic digestion through spectroscopy analysis. 1-30	0
312	Exploring bisphenol S removal mechanism with multi-enzymes extracted from waste sludge and reed sediment.	0
311	Enhanced coagulation and oxidation by the Mn(VII)-Fe(III)/peroxymonosulfate process: Performance and mechanisms. 2022 , 119200	1
310	Perturbation and strengthening effects of DOM on the biochar adsorption pathway. 2022 , 245, 114113	0
309	Understanding point-of-use tap water quality: From instrument measurement to intelligent analysis using sample filtration. 2022 , 225, 119205	0
308	Influence of operation modes on gravity-driven membrane process in treating the secondary effluent: Flux improvement and biocake layer property. 2022 , 136692	0
307	Assessment of catalytic thermal hydrolysis of swine manure slurry as liquid fertilizer: Insights into nutrients and metals. 10,	2
306	Exploring the role of extracellular polymeric substances in the antimony leaching of tailings by <i>Acidithiobacillus ferrooxidans</i> .	0

- 305 A novel bio-flocculation combined with electro dialysis process: Efficient removal of pollutants and sustainable resource recovery from swine wastewater. **2022**, 122330 ○
- 304 Synergistic removal of aqueous ciprofloxacin hydrochloride by water surface plasma coupled with peroxy monosulfate activation. **2022**, 122301 ○
- 303 Highly-efficient cathodic lysis of biofilm on conductive carbon nanotube membranes. **2022**, 122327 ○
- 302 A novel bio-washing eluent obtained from fermentation of fruit wastes for removal of soil Pb: efficiency, mechanism, and risk assessment. ○
- 301 Aerobic granulation and microbial community succession in sequencing batch reactors treating the low strength wastewater: The dual effects of weak magnetic field and exogenous signal molecule. **2022**, 136762 ○
- 300 Influence of dissolved organic matter and heavy metals on the utilization of soil-like material mined from different types of MSW landfills. **2022**, 153, 312-322 ○
- 299 Efficient *Microcystis aeruginosa* coagulation and removal by palladium clusters doped g-C₃N₄ with no light irradiation. **2022**, 246, 114148 ○
- 298 In-situ enrichment and application of heterotrophic nitrification-aerobic denitrification bacteria in membrane aerated biofilm reactor. **2022**, 309, 136643 ○
- 297 Enhancement of rapid hydrolysis and humification of food waste slurry by synergistically incorporating forward UV365 and persulfate. **2022**, 10, 108649 ○
- 296 Pyrolysis of hydrazine hydrate waste salt: Thermal behaviors and transformation characteristics of organics under aerobic/anaerobic conditions. **2022**, 323, 116304 ○
- 295 Ceramic membrane bioreactor for low carbon source wastewater treatment: Process design performance and membrane fouling. ○
- 294 A new process to further remove dissolved organic matter and disinfection by-product formation potential during drinking water treatment. ○
- 293 The Roles of Different Fractions in Freshwater Biofilms in the Photodegradation of Methyl Orange and Bisphenol A in Aqueous Solutions. **2022**, 19, 12995 ○
- 292 Effect of Microplastics on the Removal of Nitrogen and Phosphorus from Synthetic Piggery Digestate by Microalgae. **2022**, 14, 4349 ○
- 291 Study on the Migration Law of Dissolved Organic Matter in Mine Water Treatment Station. **2022**, 14, 3339 ○
- 290 Staged pyrolysis of biomass to probe the evolution of fractions of bio-oil. **2022**, 125873 1
- 289 Sequential UV and chlorine disinfection induced change of biofilm-originated disinfection byproducts formation potential in drinking water distribution system: Effect of UV dose and influencing mechanism. ○
- 288 Effects of initial particle sizes of *Triarrhena lutarioriparia* on processing performance, material properties, and heavy metal speciation in sewage sludge composting. 1

287	Preparation of biochar and its adsorbing performance evaluation in the petroleum hydrocarbon.	0
286	Phytoplankton assemblage shifts with dissolved organic matter properties: A functional perspective for sentinel lakes.	0
285	Multiple Effects of Humic Components on Microbially Mediated Iron Redox Processes and Production of Hydroxyl Radicals.	1
284	Research on chemical oxygen demand based on laser Fluorescence-Raman spectroscopy. 10,	0
283	Exploring recycled agricultural wastes for high-rate removal of nitrogen in wastewater: Emphasizing on the investigation of the inner driving force and comparison with conventional liquid carbon sources. 2022 , 226, 119292	0
282	Hydrogeochemical characteristics and solute sources of groundwater in the Yuhengbei mining area, Shaanxi Province, China. 2022 , 81,	0
281	Interfacial reactions of catalytic ozone membranes resulting in the release and degradation of irreversible foulants. 2022 , 226, 119244	0
280	Decoupling study of volatile char interaction during coal/biomass co-gasification based on a two-stage fixed bed reactor: Insight into the role of O-containing compound species. 2022 , 118262	0
279	Comprehensive insights into the impact of pretreatment on anaerobic digestion of waste active sludge from perspectives of organic matter composition, thermodynamics, and multi-omics. 2022 , 226, 119240	0
278	Enhanced benzofluoranthrene removal in constructed wetlands with iron- modified biochar: mediated by dissolved organic matter and microbial response. 2022 , 130322	0
277	Distinct nature of biochar and activated carbon from pyrolysis-activation of vegetable (lettuce) and staple food (noodles) in food waste. 2022 , 15, 200118	0
276	Analytical methods, molecular structures and biogeochemical behaviors of dissolved black carbon. 2022 , 1,	3
275	A step-by-step assessment of the backwashing process impact on the fouling mitigation of blended PVC/PC and nanocomposite PVC/PC/MAG membranes in a membrane bioreactor (MBR) treating pharmaceutical wastewater. 2022 , 188, 831-845	0
274	Comparison of different cleaning strategies on fouling mitigation in hollow fiber nanofiltration membranes for river water treatment. 2022 , 380, 134764	0
273	Fouling behavior of anion-exchange membrane during electrodialysis of biogas slurry: Correlation to applied current. 2022 , 50, 103249	1
272	Cultivation of microalgal-bacterial granular sludge from activated sludge via granule inoculation: Performance and microbial community. 2022 , 380, 134875	1
271	Characterization of dissolved black carbon and its binding behaviors to ceftazidime and diclofenac pharmaceuticals: Employing the molecular weight fractionation. 2022 , 315, 120449	0
270	Black shale gray shale transitions in a Late Devonian shale succession, Central Appalachian Basin (Northern Ohio): Sedimentary and geochemical evidence for terrestrial organic matter input driving anoxia events. 2022 , 608, 111271	0

- 269 Effect of modified kaolin conditioning sludge on organic matter properties. **2022**, 188, 108701 ○
- 268 Magnetic dual Z-scheme g-C₃N₄/BiVO₄/CuFe₂O₄ heterojunction as an efficient visible-light-driven peroxymonosulfate activator for levofloxacin degradation. **2023**, 452, 139659 ○
- 267 Enhancement of thioethers removal by pre-oxidation-coagulation: Effects of background organic matter. **2023**, 857, 159465 ○
- 266 Membrane fouling behavior in membrane bioreactors for nitrogen-deficient wastewater pretreated by ammonium ion exchange. **2023**, 665, 121087 1
- 265 Loose nanofiltration - membrane distillation integrated process for resource recovery from leachate MBR effluent: Performance and membrane fouling. **2023**, 545, 116185 ○
- 264 Insights into the role of the microbial community lifestyle strategies in variations of the dissolved organic matter molecular composition along an effluent-dominated river. **2023**, 310, 136829 ○
- 263 Role of UV-based advanced oxidation processes on NOM alteration and DBP formation in drinking water treatment: A state-of-the-art review. **2023**, 311, 136870 ○
- 262 Triethanolamine-modulated interfacial polymerization toward microcrumpled nanofiltration membranes: Performances and mechanisms. **2023**, 545, 116165 1
- 261 Micro-polluted water resources treatment by PVDF-TiO₂ membrane combined with Fe²⁺/sodium dithionite (DTN)/O₂ pre-oxidation process. **2023**, 311, 136998 ○
- 260 The degradation of municipal solid waste incineration leachate by UV/persulfate and UV/H₂O₂ processes: The different selectivity of SO₄²⁻ and OH. **2023**, 311, 137009 ○
- 259 Iron-rich digestate biochar toward sustainable peroxymonosulfate activation for efficient anaerobic digestate dewaterability. **2023**, 443, 130200 2
- 258 The blackening process of black-odor water: Substance types determination and crucial roles analysis. **2023**, 443, 130295 ○
- 257 Ascorbic acid enhanced ferrous/persulfate system for degradation of tetracycline contaminated groundwater. **2022**, 12, 32210-32218 ○
- 256 Changes in optical properties and molecular composition of dissolved organic matter and formation of disinfection by-products during conventional water treatment processes. ○
- 255 Enhanced-Electrocoagulation Process for Natural Organic Matter Removal from Surface Drinking Water Sources: Coagulant Dose Control & Organic Matter Characteristics. ○
- 254 Energy and nutrient recovery by spent mushroom substrate-assisted hydrothermal carbonization of sewage sludge. **2023**, 155, 192-198 ○
- 253 Layered double hydroxides for phosphorus recovery from lipid-rich waste anaerobic fermentation liquor. **2023**, 326, 116759 ○
- 252 Role of quorum sensing-based regulation in development of anaerobic ammonium oxidation process. **2023**, 367, 128228 ○

- 251 Co-hydrothermal carbonization of agricultural waste and sewage sludge for product quality improvement: Fuel properties of hydrochar and fertilizer quality of aqueous phase. **2023**, 326, 116781 1
- 250 A review of long-term change in surface water natural organic matter concentration in the northern hemisphere and the implications for drinking water treatment. **2023**, 858, 159699 0
- 249 Highly efficient Cu-EDTA decomplexation by Ag/AgCl modified MIL-53(Fe) under Xe lamp: Z-scheme configuration. **2023**, 306, 122588 0
- 248 Application of carbon nitride nanosheets for adsorption of various humic substances from aqueous solutions. **2022**, 140296 0
- 247 Influences of molecular weight fractionated humic acids on polyamide 66 microplastic stability and toxicity in red tilapia (*Oreochromis niloticus*). 9, 0
- 246 Removal of *Microcystis aeruginosa* and microcystin-LR by UV/Fenton system: characteristics and degradation pathways. **2022**, 122596 0
- 245 Contribution of the degradation of different hygrophytes to chromophoric dissolved organic matter during the inundation period. **2023**, 85, 0
- 244 Enhancing Effects of Sludge Biochar on Aerobic Granular Sludge for Wastewater Treatment. **2022**, 10, 2385 0
- 243 Substances released during the decomposition of *Vallisneria natans* and *Thalia dealbata*. **2022**, 8, e11441 0
- 242 Surfactants Aggravated the Biototoxicity of Fe₂O₃ Nanoparticles in the Volatile Fatty Acids Biosynthesis during Sludge Anaerobic Fermentation. 0
- 241 Controlling Biofilm Growth and Its Antibiotic Resistance in Drinking Water by Combined UV and Chlorination Processes. **2022**, 14, 3643 0
- 240 Ceftriaxone sodium degradation by carbon quantum dots (CQDs)-decorated C-doped Bi₂O₃ nanorods. **2022**, 100219 0
- 239 Elucidating interactive effects of sulfidated nanoscale zero-valent iron and ammonia on anaerobic digestion of food waste. **2022**, 0
- 238 Attribution of photocatalysis of fluorescent natural organic matter fractions to the alleviation of ceramic membrane ultrafiltration fouling. **2022**, 122603 0
- 237 The synthetic composite materials using PHBV, nZVI and biochar enhanced denitrification performance in water treatment. **2022**, 108958 0
- 236 Geographical constraints on chemodiversity of sediment dissolved organic matter in China's coastal wetlands. **2022**, 147, 105506 0
- 235 The nutrient removal and tolerance mechanism of a heterotrophic nitrifying bacterium *Pseudomonas putida* strain NP5 under metal oxide nanoparticles stress. 0
- 234 Exposure to Cr(VI) affects partial denitrification process-Nitrite accumulation, EPS characteristic and Microbial community assembly. **2022**, 109001 0

- 233 Multi-catalysis of glow discharge plasma coupled with FeS₂ for synergistic removal of antibiotic. **2023**, 312, 137204 ○
- 232 Effects of exogenous Fe addition on soil respiration rate and dissolved organic carbon structure in temperate forest swamps of northeastern China. **2023**, 216, 114800 ○
- 231 Continuous electromethanogenesis of propionate wastewater: Effect of external voltage and hydraulic retention time. **2023**, 454, 140267 ○
- 230 A comparative evaluation of reverse osmosis membrane performance when combined with anaerobic or aerobic membrane bioreactors for indirect potable reuse applications. **2022**, 50, 103295 ○
- 229 Activation of sulfite by FeS for anaerobic fermentation enhancement of waste activated sludge: Performance and mechanisms. **2023**, 455, 140913 1
- 228 Photocatalytic and oxidation mechanisms of Fe₃O₄@AgCl: Effect on co-existing arsenic (III) and Escherichia coli. **2023**, 217, 114913 ○
- 227 A novel strategy for efficient capture of intact harmful algal cells using Zinc oxide modified carbon nitride composites. **2023**, 69, 102932 ○
- 226 Current advances in interactions between microplastics and dissolved organic matters in aquatic and terrestrial ecosystems. **2023**, 158, 116882 ○
- 225 A novel strategy and mechanism for high-quality volatile fatty acids production from primary sludge: Peroxymonosulfate pretreatment combined with alkaline fermentation. **2023**, 217, 114939 ○
- 224 Granular activated carbon stimulated microbial extracellular secretions in anaerobic digesters: An egalitarian act and beyond. **2023**, 456, 140850 ○
- 223 Overlooked mechanism of Pb immobilization on montmorillonite mediated by dissolved organic matter in manure compost. **2023**, 316, 120706 ○
- 222 Changes in inorganic and organic matters in processed water from hydrothermal-treated biogas slurry. **2023**, 6, 145-157 ○
- 221 Heavy metal contaminated soil remediated by a bioelectrochemical system: Simultaneous promotion of electrochemically active bacteria and bipolar membrane. **2023**, 668, 121266 ○
- 220 Ionic resource recovery for carbon neutral papermaking wastewater reclamation by a chemical self-sufficiency zero liquid discharge system. **2023**, 229, 119451 ○
- 219 Co-substrate promoting the biodegradation of refractory DOM in semi-coking wastewater: DOM evolution and microbial community. **2023**, 11, 109043 ○
- 218 Formation of melanoidins and development of characterization techniques during thermal pretreatment of organic solid waste: A critical review. **2023**, 334, 126790 1
- 217 Enhanced sulfadiazine degradation in a multi-electrode paralleling DBD plasma system coupled with ZnO/cellulose acetate films. **2023**, 11, 109063 ○
- 216 Characterization of magnetite assisted anammox granules based on in-depth analysis of extracellular polymeric substance (EPS). **2023**, 369, 128372 ○

215	Hydrogeochemical assessment and groundwater quality in a shallow aquifer: A case study of San Luis Potosí Valley, Mexico. 2023 , 20, 100881	0
214	Fouling-free membrane stripping for ammonia recovery from real biogas slurry. 2023 , 229, 119453	2
213	Pilot-scale evaluation of sulfite-activated ferrate for water reuse applications. 2023 , 229, 119400	1
212	The effect and mechanism of molybdenum electron shuttle on perchlorate bioreduction. 2023 , 11, 109110	0
211	Spatiotemporal analysis of fluorescent dissolved organic matter to identify the impacts of failing sewer infrastructure in urban streams. 2023 , 229, 119521	0
210	Coupling effect of nanoscale zero-valent iron and sodium lauroyl sarcosinate on the biogas biological upgrading from kitchen wastewater by anaerobic digestion. 2023 , 11, 109146	0
209	Nitrogen loss, nitrogen functional genes, and humification as affected by hydrochar addition during chicken manure composting. 2023 , 369, 128512	0
208	A general way to realize the bi-directional promotion effects on the photocatalytic removal of heavy metals and organic pollutants in real water by a novel S-scheme heterojunction: Experimental investigations, QSAR and DFT calculations. 2023 , 445, 130551	0
207	Response of semi-continuous anaerobic digestion of food waste to progressively increasing temperature: Methanogen community, correlation analysis, and energy balance. 2023 , 192, 116066	0
206	Effects of HPPD inhibitor herbicides on soybean root exudates: A combination study of multispectral technique and 2D-COS analysis. 2023 , 289, 122241	1
205	UV/H ₂ O ₂ /O ₃ removal efficiency and characterization of algae-derived organic matter and odorous substances. 2023 , 11, 109128	0
204	Hydrothermal pretreatment and compound microbial agents promoting high-quality kitchen waste compost: Superior humification degree and reduction of odour. 2023 , 862, 160657	0
203	Comparison of peracetic acid and sodium hypochlorite enhanced Fe(II) coagulation on algae-laden water treatment. 2023 , 445, 130571	0
202	Enhanced coagulation of covalent composite coagulant with potassium permanganate oxidation for algae laden water treatment: Algae and extracellular organic matter removal. 2023 , 13, 100427	0
201	Using fluorescence index (FI) of dissolved organic matter (DOM) to identify non-point source pollution: The difference in FI between soil extracts and wastewater reveals the principle. 2023 , 862, 160848	1
200	Investigation of electrochemical properties, leachate purification, organic matter characteristics, and microbial diversity in a sludge treatment wetland- microbial fuel cell. 2023 , 862, 160799	0
199	Comparison of ultrasonic treatment of primary and secondary sludges: Physical properties and chemical properties. 2023 , 308, 122892	0
198	Effects of UV/PS and UV/H ₂ O ₂ on Degradation of Natural Organic Matter and Formation Potential of Haloacetonitriles in Surface Water. 2022 , 20, 188-200	0

- 197 Enhanced Water Purification Efficiency Induced by Trace H₂O₂ on the Electron Distribution-Polarized Unequilibrium Surface of CuS/ZnO Nanosheets. ○
- 196 Nano- and Microplastics Aided by Extracellular Polymeric Substances Facilitate the Conjugative Transfer of Antibiotic Resistance Genes in Bacteria. **2022**, 2, 2528-2537 ○
- 195 Effects of Land Use on the Mineralization of Organic Matter in Ultisol. **2022**, 12, 2915 ○
- 194 Melamine foam derived nitrogen and boron co-doped metal-free electrode for enhanced electro-Fenton degradation of metronidazole. **2022**, 140593 ○
- 193 Coupling continuous poly(3-hydroxybutyrate) synthesis with piperazine-contained wastewater treatment: Fermentation performance and microbial contamination deciphering. **2022**, ○
- 192 Recognition of variations and its significance of bioavailable organic phosphorus in sediment between high and low risk periods for algal blooms in Lake Erhai. **2022**, 119514 ○
- 191 Development and Implementation of MBR Monitoring: Use of 2D Fluorescence Spectroscopy. **2022**, 12, 1218 ○
- 190 Chromophoric dissolved organic compounds in urban watershed and conventional water treatment process: evidence from fluorescence spectroscopy and PARAFAC. ○
- 189 Method development for the identification, extraction and characterization of melanoidins in thermal hydrolyzed sludge. **2022**, 161204 ○
- 188 Redispersion Behavior of 2D MoS₂ Nanosheets: Unique Dependence on the Intervention Timing of Natural Organic Matter. ○
- 187 The coexistence of copper ions and TC affected the binding ability and the reaction order between extracellular polymeric substances of aerobic granular sludge and exogenous substances. ○
- 186 Performance of electrochemical treatment of refractory organic matter in printing and dyeing reverse osmosis concentrate. **2022**, 109173 ○
- 185 Insights into organic matter evolution during food waste stabilization induced by 14-hour high-temperature fermentation. ○
- 184 New insight in algal cell adhesion and cake layer evolution in algal-related membrane processes: Size-fractionated particles, initial foulant seeds and EDEM simulation. **2022**, 115162 ○
- 183 Unraveling the impacts of Cu⁺-based treatments on sludge dewaterability: The overlooked role of Cu³⁺. **2022**, 141106 ○
- 182 Acetylacetone effectively controlled the secondary metabolites of *Microcystis aeruginosa* under simulated sunlight irradiation. **2022**, ○
- 181 Humic Acid and Fulvic Acid Facilitate the Formation of Vivianite and the Transformation of Cadmium Via Microbially-mediated Iron Reduction. **2022**, 130655 ○
- 180 New insight into soluble extracellular metabolites during sludge bulking process based on excitation-emission matrix spectroscopy and ultrahigh-performance liquid chromatography-mass spectrometry. **2022**, 115161 ○

- 179 Fluorescence analysis for water characterization: measurement processes, influencing factors, and data analysis. ○
- 178 Insight into the evolution characteristics on molecular weight of compost dissolved organic matters using high-performance size exclusion chromatography combined with a two-dimensional correlation analysis. ○
- 177 Interaction between biochar-dissolved organic matter and chlorophenols during biochar adsorption. ○
- 176 Enhanced photocatalytic inactivation of *Cylindrospermopsis raciborskii* by modified TiO₂/Ag₃PO₄: Efficiency and mechanism. **2023**, 141464 ○
- 175 Extracting extracellular polymeric substances from fungi in contrasts: from quantity to quality. **2023**, 107, 943-954 ○
- 174 Effect of tank-mixed adjuvant on the behavior of chlorantraniliprole and difenoconazole in soil. **2023**, 9, e12658 ○
- 173 Saccharide-bearing macromolecules with melanoidin characteristics from Shanxi aged vinegar exert immunoenhancing effects on macrophage RAW264.7 cells. ○
- 172 Emerging investigator series: microplastic-based leachate formation under UV irradiation: the extent, characteristics, and mechanisms. ○
- 171 Roles of Microbial Extracellular Polymeric Substances in Corrosion and Scale Inhibition of Circulating Cooling Water. ○
- 170 Affinity-based alleviation of dissolved organic matter (DOM) on tetracycline toxicity to photosynthesis of green algae *Chlorella vulgaris*: roles of hydrophilic and hydrophobic DOM. ○
- 169 Effects of influent organic load on TMAH (tetramethylammonium hydroxide) Wastewater treatment by anaerobic process. **2023**, 109315 ○
- 168 Ecological water replenishment to the Yongding River, China: effects of different water sources on inorganic ions and organic matter characteristics. ○
- 167 Insight into pathway of monosaccharide production from integrated enzymatic hydrolysis of rice straw waste as feed stock for anaerobic digestion. **2023**, 13, ○
- 166 Ozonation and Granular Activated Carbon Adsorption for the Removal of Refractory Organic Matter and Decolorization During Wastewater Tertiary Treatment. ○
- 165 Identification of Toxicity Forcing Agents from Individual Aliphatic and Aromatic Disinfection Byproducts Formed in Drinking Water: Implications and Limitations. ○
- 164 Decomposition and humification process of domestic biodegradable waste by black soldier fly (*Hermetia illucens* L.) larvae from the perspective of dissolved organic matter. **2023**, 137861 ○
- 163 Sorption of Organic Contaminants by Stable Organic Matter Fraction in Soil. **2023**, 28, 429 ○
- 162 Enhancing sludge dewatering efficiency through bioleaching facilitated by increasing reactive oxygen species. **2023**, 119622 ○

- 161 Functional stability correlates with dynamic microbial networks in anammox process. **2023**, 370, 128557 ○
- 160 Nonmonotonic effect of CuO nanoparticles on medium-chain carboxylates production from waste activated sludge. **2023**, 230, 119545 ○
- 159 Enhancement of struvite generation and anti-fouling in an electro-AnMBR with Mg anode-MF membrane module. **2023**, 230, 119561 ○
- 158 Three-dimensional reduced graphene reinforced cement with enhanced safety and durability for drinking water distribution applications: Long-term experimental and theoretical study. **2023**, 230, 119572 ○
- 157 Hydrolysate from the enzymatic treatment of corn cob as a carbon source for heterotrophic denitrification process. **2023**, 51, 103473 ○
- 156 Enhanced short chain fatty acids production from anaerobic fermentation of primary sludge using free ammonia pretreatment. **2023**, 389, 135862 ○
- 155 Quantitative models and potential surrogates for rapid evaluation and surveillance of chlorine disinfection efficacy in reclaimed water. **2023**, 866, 161372 ○
- 154 Pb0 flue gas biosorption in denitrifying MBfR: Characteristics and binding ability of extracellular polymeric substances. **2023**, 314, 137703 ○
- 153 Role of extracellular polymeric substance in flocculation of *Chlorococcum sphaerosum* cultivated with different initial inoculum concentrations in municipal wastewater. **2023**, 70, 102966 ○
- 152 Multiple fluorescence approaches to identify rapid changes in microbial indicators at karst springs. **2023**, 254, 104129 1
- 151 The coupling system of magnetite-enhanced thermophilic hydrolysis-acidification and denitrification for refractory organics removal from anaerobic digester food waste effluent (ADFE). **2023**, 371, 128601 ○
- 150 Role of extracellular polymeric substances in the aggregation and biological response of micro(nano)plastics with different functional groups and sizes. **2023**, 446, 130713 ○
- 149 Photothermally-activated peroxymonosulfate (PMS) pretreatment for fouling alleviation of membrane distillation of surface water: Performance and mechanism. **2023**, 309, 123043 ○
- 148 Enhanced energy recovery from landfill leachate by linking light and dark bio-reactions: Underlying synergistic effects of dual microalgal interaction. **2023**, 231, 119578 ○
- 147 Exploiting refractory organic matter for advanced nitrogen removal from mature landfill leachate via anammox in an expanded granular sludge bed reactor. **2023**, 371, 128594 ○
- 146 Improved nitrogen removal performance by enhanced denitrification/anammox as decreasing temperature for municipal wastewater treatment. **2023**, 190, 106869 ○
- 145 Insights into the influence of digester-derived biochar upon the microbial community succession during the composting of digester from food waste. **2023**, 316, 137786 ○
- 144 Treatment of amoxicillin-containing wastewater by *Trichoderma* strains selected from activated sludge. **2023**, 867, 161565 ○

- 143 Recovery of phosphorus from wastewater containing humic substances through vivianite crystallization: Interaction and mechanism analysis. **2023**, 331, 117324 ○
- 142 Hybrid N-way Partial Least Squares and Random Forest Model for Brick Tea Identification Based on Excitation-Emission Matrix Fluorescence Spectroscopy. ○
- 141 Formation Characteristics of Algal-Bacteria Granular Sludge Under Low-Light Environment: From Sludge Characteristics, Extracellular Polymeric Substances to Microbial Community. ○
- 140 Characterization of natural organic matter. **2023**, 43-92 ○
- 139 Removal of Organics with Ion-Exchange Resins (IEX) from Reverse Osmosis Concentrate. **2023**, 13, 136 ○
- 138 Constructing direct Z-scheme heterojunctions of defective MoS₂-v on carbon nitride nanotubes for high-performance hydrogen peroxide production and iron-free photo-Fenton-like reactions over a wide pH range. **2023**, 618, 156656 ○
- 137 A comparative study of the accumulation and detoxification of copper and zinc in *Chlamydomonas reinhardtii*: The role of extracellular polymeric substances. **2023**, 871, 161995 ○
- 136 Metabolomics and molecular simulation reveal the responding mechanism of anammox consortia to perfluorooctanoic acid by regulating metabolic network. **2023**, 460, 141712 ○
- 135 Simultaneous carbon dioxide sequestration and nitrate removal by *Chlorella vulgaris* and *Pseudomonas* sp. consortium. **2023**, 333, 117389 ○
- 134 The characteristic difference between non-drilosphere and drilosphere-aged biochar: Revealing that earthworms accelerate the aging of biochar. **2023**, 321, 138141 ○
- 133 Zinc pyrithione induced volatile fatty acids promotion derived from sludge anaerobic digestion: Interrelating the affected steps with microbial metabolic regulation and adaptive responses. **2023**, 234, 119816 ○
- 132 Differences in the spectral characteristics of dissolved organic matter binding to Cu(II) in wetland soils with moisture gradients. **2023**, 874, 162509 ○
- 131 Combined impacts of algae-induced variations in water soluble organic matter and heavy metals on bacterial community structure in sediment from Chaohu Lake, a eutrophic shallow lake. **2023**, 874, 162481 ○
- 130 Sequential pyrolysis of spirulina and sawdust: Interactions of volatiles from upper-bed feedstock to lower-bed biochar. **2023**, 11, 109603 ○
- 129 Study on the role of AlOOH in fluorescence correction and depth purification of Cyclops water. **2023**, 322, 138190 ○
- 128 Benign treatment and resource utilization characteristics of doramectin fermentation residues. **2023**, 401, 136777 ○
- 127 Effects of photocatalysis using a photocatalytic concrete board on water qualities and microbial communities in the aquaculture wastewater. **2023**, 313, 123517 ○
- 126 Influence of powdered activated carbon on gravity-driven ultrafiltration for decentralized drinking water treatment: Insights from microbial community and biofilm structure. **2023**, 313, 123451 ○

- 125 Dynamic composting actuated by a *Caldibacillus thermoamylovorans* isolate enables biodecomposability and reusability of *Cinnamomum camphora* garden wastes. **2023**, 376, 128852 ○
- 124 Molecular mechanism of adsorbing triclocarban by the activated sludge in wastewater treatment systems. **2023**, 463, 142431 ○
- 123 Insight into the synergistic reaction mechanism of biomass pseudocomponents and polyamide by TG-MS and Py-GC/MS: Pyrolysis properties, reaction kinetics and N-containing species evolution. **2023**, 195, 116428 ○
- 122 Simultaneous degradation of antibiotic and removal of phosphate in water by a O₃/CaO₂ advanced oxidation process. **2023**, 312, 123452 1
- 121 Active chlorine mediated ammonia oxidation in an electrified SnO₂/Bb filter: Reactivity, mechanisms and response to matrix effects. **2023**, 312, 123369 ○
- 120 Formation characteristics of algal-bacteria granular sludge under low-light environment: From sludge characteristics, extracellular polymeric substances to microbial community. **2023**, 376, 128851 ○
- 119 Spectroscopic fingerprints profiling the polysaccharide/protein/humic architecture of stratified extracellular polymeric substances (EPS) in activated sludge. **2023**, 235, 119866 ○
- 118 Insights into differences between spore-assisted and pellet-assisted microalgae harvesting using a highly efficient fungus: Efficiency, high-value substances, and mechanisms. **2023**, 877, 162945 ○
- 117 Role of molecular weight-dependent spectral properties in regulating Cu(II) binding by dissolved organic matter from different sources. **2023**, 873, 162246 ○
- 116 In-situ cathodic electrolysis coupled with hydraulic backwash inhibited biofilm formation on a backwashable carbon nanotube membrane. **2023**, 878, 163130 ○
- 115 Exploring the optical properties and molecular characteristics of dissolved organic matter in a large river-connected lake (Poyang Lake, China) using optical spectroscopy and FT-ICR MS analysis. **2023**, 879, 162999 ○
- 114 Photoelectrocatalytic selective removal of group-targeting thiol-containing heterocyclic pollutants. **2023**, 452, 131307 ○
- 113 Does the aging behavior of microplastics affect the process of denitrification by the difference of copper ion adsorption?. **2023**, 452, 131276 ○
- 112 A novel approach for the fractionation of organic components and microbial degraders in ADM1 and model validation based on the methanogenic potential. **2023**, 236, 119945 ○
- 111 Interaction between MIL-101(Cr) and natural organic matter in an integrated MOF-UF system. **2023**, 314, 123476 ○
- 110 Chitosan-Fe₃O₄ composites enhance anaerobic digestion of liquor wastewater under acidic stress. **2023**, 377, 128927 ○
- 109 Biochar assists phosphate solubilizing bacteria to resist combined Pb and Cd stress by promoting acid secretion and extracellular electron transfer. **2023**, 452, 131176 ○
- 108 Enhanced removal of phenanthrene and nutrients in wetland sediment with metallic biochar: Performance and mechanisms. **2023**, 327, 138523 ○

- 107 Tofu by-product soy whey substitutes urea: Reduced ammonia volatilization, enhanced soil fertility and improved fruit quality in cherry tomato production. **2023**, 226, 115662 ○
- 106 Enhanced hydrolysis/acidogenesis and potential mechanism in thermal-alkali-biofilm synergistic pretreatment of high-solid and low-organic-content sludge. **2023**, 378, 128988 ○
- 105 Novel covalently bound organic silicon-ferrum hybrid coagulant with excellent coagulation performance and bacteriostatic ability. **2023**, 315, 123695 ○
- 104 Sequentially modified carbon felt for enhanced p-nitrophenol biodegradation through direct interspecific electron transfer. **2023**, 451, 131055 ○
- 103 The contradictory roles of tightly bound and loosely bound extracellular polymeric substances of activated sludge in trimethoprim adsorption process. **2023**, 336, 117661 ○
- 102 The characteristic evolution and formation mechanism of hybrid microalgae biofilm and its application in mariculture wastewater treatment. **2023**, 11, 109645 ○
- 101 Treatment of high chlorine-containing composting leachate biochemical effluent by Ti/RuO₂-IrO₂ anodic electrochemical oxidation: Optimization and evolution of pollutants. **2023**, 11, 109674 ○
- 100 Ocean-atmosphere interactions: Different organic components across Pacific and Southern Oceans. **2023**, 878, 162969 ○
- 99 Formation characteristics and acute toxicity assessment of THMs and HACams from DOM and its different fractions in source water during chlorination and chloramination. **2023**, 329, 138696 ○
- 98 Synergized selenium-vacancy heterogeneous interface and carbon nanotubes for insight into efficient oxidation of pollutants via photocatalytic peroxymonosulfate activation. **2023**, 330, 122620 ○
- 97 Enhanced continuous biohydrogen production using dynamic membrane with conductive biofilm supporter. **2023**, 377, 128900 ○
- 96 Insights into the role of ·OH generated in Fe²⁺/CaO₂/coal slime system for efficient extracellular polymeric substances degradation to improve dewaterability of sewage sludge. **2023**, 326, 138443 ○
- 95 Transformation kinetics of exogenous nickel in a paddy soil during anoxic-oxic alteration: Roles of organic matter and iron oxides. **2023**, 452, 131246 ○
- 94 Dopamine-functionalized PTFE membranes with enhanced flux and anti-fouling properties for membrane distillation of secondary effluent. **2023**, 310, 123198 ○
- 93 Perfluorocarbon nanoemulsions as hydrogen carriers to promote the biological conversion of hydrogen and carbon dioxide to methane. **2023**, 70, 102445 ○
- 92 Effects of organic carbon sources on algal biofilm formation and insight into mechanism. **2023**, 71, 103075 ○
- 91 Removal of NO_x from flue gas using different agricultural wastes as carbon sources: Performance and microbial communities. **2023**, 11, 109804 ○
- 90 Bio-clogging mitigation in constructed wetland using microbial fuel cells with novel hybrid air-photocathode. **2023**, 163423 ○

- 89 Structural incorporation of iron influences biomethylation potential of mercury sulfide. **2023**, 349, 115-125 ○
- 88 Chalcopyrite-activated sodium percarbonate oxidation for sludge dewaterability enhancement: Synergetic roles of OH^- and H_2O_2 . **2023**, 465, 142863 ○
- 87 Deciphering the distribution and microbial secretors of extracellular polymeric substances associated antibiotic resistance genes in tube wall biofilm. **2023**, 881, 163218 ○
- 86 Effect of hydraulic retention time on performances of gravity-driven membrane (GDM) reactor for seawater pretreatment. **2023**, 53, 103599 ○
- 85 Using N-TiO_2 to enhance the coagulation of *Oscillatoria* sp. and subsequently degrade cells and their metabolites in sludge under visible light. **2023**, 53, 103666 ○
- 84 Enhanced the treatment of antibiotic wastewater and antibiotic resistance genes control by FeO -catalyzed microalgal MFCs in continuous flow mode. **2023**, 53, 103701 ○
- 83 Long-term microbial community succession and mechanisms of regulation of dissolved organic matter derivation in livestock manure fermentation system. **2023**, 329, 138588 ○
- 82 Changes of dissolved organic matter following salinity invasion in different seasons in a nitrogen rich tidal reach. **2023**, 880, 163251 ○
- 81 Conversion of polyphenolic polymers in aerobic biochemical treatment. **2023**, 11, 109343 ○
- 80 Effects of free nitrous acid combined with alkyl polyglucoside on short-chain fatty acids production from waste activated sludge anaerobic fermentation and fermentation liquor for polyhydroxyalkanoates synthesis. **2023**, 52, 103515 ○
- 79 Insights into the Effect of Rhamnolipids on the Anaerobic Fermentation and Microalgae Lipid Production of Waste Activated Sludge: Performance and Mechanisms. **2023**, 3, 438-448 ○
- 78 Degradation of sulfamethoxazole in microbubble ozonation process: Performance, reaction mechanism and toxicity assessment. **2023**, 311, 123262 ○
- 77 Impact of biochar amendment on antibiotic removal and ARGs accumulation in constructed wetlands for low C/N wastewater treatment. **2023**, 459, 141541 ○
- 76 Assessing the impact of granular anaerobic membrane bioreactor intensification on treatment performance, membrane fouling and economic balance. **2023**, 11, 109369 ○
- 75 New insights into membrane fouling during direct membrane filtration of municipal wastewater and fouling control with mechanical strategies. **2023**, 869, 161775 1
- 74 Critical role of extracellular DNA in the establishment and maintenance of anammox biofilms. **2023**, 869, 161897 ○
- 73 Deciphering the microheterogeneous repartition effect of environmental matrix on surface-enhanced Raman spectroscopy (SERS) analysis for pollutants in natural waters. **2023**, 232, 119668 ○
- 72 Predicting the Stability of Organic Matter Originating from Different Waste Treatment Procedures. **2023**, 20, 2151 ○

- 71 Insight into the formation mechanism of algal biofilm in soy sauce wastewater. **2023**, 394, 136179 ○
- 70 Study on the cadmium and copper binding characteristics of dissolved organic matter released from human-feces-biochar (HFDOM) using parallel factor analysis (PARAFAC) and two-dimensional correlation spectroscopy (2D-COS). **2023**, 30, 46900-46912 ○
- 69 Treatment of micro-polluted water with low C/N ratio by immobilized bioreactor using PVA/sintered ores@sponge cube: Performance effects and potential removal pathways. **2023**, 870, 162003 ○
- 68 Performance Enhancement of Biogenetic Sulfidated Zero-Valent Iron for Trichloroethylene Degradation: Role of Extracellular Polymeric Substances. **2023**, 57, 3323-3333 ○
- 67 Spectroscopic Tracking of the Characteristics of Microplastic-Derived Dissolved Organic Matter. **2023**, 10, 101 ○
- 66 Optimizing waste activated sludge disintegration by investigating multiple electrochemical pretreatment conditions: Performance, mechanism and modeling. **2023**, 870, 162025 ○
- 65 Pyrolysis-reforming of cellulose over Ni/mordenite for production of hydrogen and heavier organics: The distinct impacts of Ni and mordenite on nature of coke. **2023**, 538, 112980 ○
- 64 Efficient reduction of Cr(VI) and recovery of Fe from chromite ore processing residue by waste biomass. **2023**, 30, 103046 ○
- 63 Accelerating the humification mechanism of dissolved organic matter using biochar during vermicomposting of dewatered sludge. **2023**, 159, 102-113 ○
- 62 Onsite treatment of decentralized rural greywater by ecological seepage well (ESW). **2023**, 393, 136180 ○
- 61 Biochar Addition in Membrane Bioreactor Enables Membrane Fouling Alleviation and Nitrogen Removal Improvement for Low C/N Municipal Wastewater Treatment. **2023**, 13, 194 ○
- 60 Underestimation of Extracellular Lipid Contribution to Fouling in Anaerobic Membrane Bioreactors. **2023**, 11, 3036-3043 ○
- 59 Isolation and screening of phosphorus solubilizing bacteria from saline alkali soil and their potential for Pb pollution remediation. 11, ○
- 58 Biogenic Fe Incorporation into Anaerobic Granular Sludge Assisted by *Shewanella oneidensis* MR-1 Enhanced Interspecies Electron Transfer and Methane Production. **2023**, 11, 3001-3011 ○
- 57 Characterizing molecular transformation of dissolved organic matter during high-solid anaerobic digestion of dewatered sludge using ESI FT-ICR MS. **2023**, 320, 138101 ○
- 56 Feasibility analysis of clean utilization of kitchen waste oil and lignite by co-fermentation treatment. **2023**, 397, 136267 ○
- 55 Feasibility and constraints of edible fungi bio-flocculating microalgae. **2023**, 70, 103004 ○
- 54 Anaerobic co-metabolic degradation of ceftriaxone sodium: Performance and mechanism. **2023**, 394, 136388 ○

- 53 The priming effects of plant leachates on dissolved organic matter degradation in water depend on leachate type and water stability. **2023**, 223, 115482 ○
- 52 New insights into interfacial interaction and nanoconfinement effect in synergistic oxidation-filtration via CoFe₂O₄-ceramic membrane activated peroxymonosulfate. **2023**, 461, 141846 ○
- 51 Characterization of DOM and disinfection by-products precursors in biological activated carbon filter backwash water from drinking water treatments. **2023**, 23, 727-737 ○
- 50 Long-term performance study applying a tandem AnSBR-ASBR to treat wastewater containing N, N-dimethylformamide: Sludge physicochemical properties, microecology, and functional genes. **2023**, 11, 109447 ○
- 49 Hydrothermal carbonization of sewage sludge: Optimization of operating conditions using design of experiment approach and evaluation of resource recovery potential. **2023**, 11, 109507 ○
- 48 Release, denitrification performance, and generated waste utilization of alkali-modified lignocellulosic materials as denitrification carbon sources. **2023**, 52, 103557 ○
- 47 A pilot study on the dual membrane process of ultrafiltration and nanofiltration to treat algae-laden raw water compared to O₃-BAC. ○
- 46 Alternating polarization steered CO₂ bio-electroreduction selectivity with stepped extracellular electron transfer. **2023**, 461, 142010 ○
- 45 Immobilization of phototroph-derived extracellular polymer for simultaneous removal of antibiotics and heavy metals: A sustainable approach for advanced treatment of secondary effluent. **2023**, 396, 136495 ○
- 44 Combining Full-Scale Ozonation and Biological Activated Carbon Filtration (O₃-BAC) with Pilot-Scale Nanofiltration (NF) to Control Disinfection By-Product Formation for Treatment of Taihu Lake Water. **2023**, 15, 843 ○
- 43 Coupling methane and bioactive polysaccharide recovery from wasted activated sludge: A sustainable strategy for sludge treatment. **2023**, 233, 119775 ○
- 42 Mesoporous carbon framework supported Fe-Cu-Mn oxides as an efficient peroxymonosulfate catalyst for the control of harmful algal blooms: Synergism of Fe-Cu-Mn and role of mesoporous carbon. **2023**, 461, 141877 ○
- 41 An innovative approach for landfill leachate treatment based on selective adsorption of humic acids with carbon nitride. **2023**, 461, 142090 ○
- 40 Removal performance of dissolved organic matters from municipal secondary effluent by different advanced treatment processes and the following disinfection by-products generation rules. ○
- 39 Treatment of simulated saline brine water by membrane distillation process enhanced through alternating current electric field. **2023**, 192, 167-179 ○
- 38 Biochar Extracts Can Modulate the Toxicity of Persistent Free Radicals in the Nematode *Caenorhabditis elegans*. **2023**, 2, 71-83 ○
- 37 Transformation characteristics of organic matter and phosphorus in composting processes of agricultural organic waste: Research trends. **2023**, 6, 331-342 ○
- 36 Effect of diaper waste on composting of household wet biodegradable waste in a decentralized system. ○

- 35 Composition and molecular structure analysis of hydrophilic/hydrophobic extracellular polymeric substances (EPS) with impacts on sludge dewaterability. **2023**, 462, 142234 ○
- 34 Spatial heterogeneity and compositional profiles of dissolved organic matter in farmland soils across mainland China. **2024**, 137, 593-603 ○
- 33 Characteristics of Tetracycline Degradation Coupled Simultaneous Nitrification-Denitrification and Phosphorus Removal in Aquaculture Wastewater. **2023**, 40, 399-412 ○
- 32 Characterization of Biopolymers in Water Based on their Enzymatic Degradability. **2022**, 78, III_177-III_184 ○
- 31 DEEP SVDD BASED MODELING OF FLUORESCENCE FEATURE OF DRINKING WATERS FOR EVALUATION OF RECLAIMED WATER QUALITY. **2022**, 78, III_73-III_80 ○
- 30 Elevated temperature induces contrasting transformation of exogenous copper to soil solution and solid phases in an arable soil. **2023**, 255, 114744 ○
- 29 Revealing the role of algae in algae enhanced bacteria consortia for municipal wastewater treatment: Performance, characteristics, and microbial pathways. **2023**, 53, 103640 ○
- 28 Upflow anaerobic sludge blanket reactor operation under high pressure for energy-rich biogas production. **2023**, 376, 128897 ○
- 27 Coagulation Combined with Electro-Fe₀/H₂O₂ Reaction for Effective Treatment of Landfill Leachate Effluent of Membrane Bioreactor. **2023**, 15, 1158 ○
- 26 Decoding the Role of Extracellular Polymeric Substances in Enhancing Nitrogen Removal from High-Ammonia and Low-C/N Wastewater in a Sequencing Batch Packed-Bed Biofilm Reactor. **2023**, 15, 1510 ○
- 25 Design of cobalt-based catalysts with the uniformly distributed core-shell structure for ultra-efficient activation of peroxymonosulfate for tetracycline degradation. **2023**, ○
- 24 Regulatory mechanisms of phytotoxicity and corona formation on sprouts by differently charged and sized polystyrene micro/nano-plastics. ○
- 23 Fate of Naturally Dissolved Organic Matter and Synthetic Organic Compounds Subjected to Drinking Water Treatment Using Membrane, Activated Carbon, and UV/H₂O₂ Technologies. **2023**, 57, 5558-5568 ○
- 22 The Influence of Aerated Irrigation on the Evolution of Dissolved Organic Matter Based on Three-Dimensional Fluorescence Spectrum. **2023**, 13, 980 ○
- 21 Fouling in reverse osmosis membranes: monitoring, characterization, mitigation strategies and future directions. **2023**, 9, e14908 ○
- 20 Performance of resin adsorption and ozonation pretreatment in mitigating organic fouling of reverse osmosis membrane. **2023**, 53, 103688 ○
- 19 Tracing the variation of dissolved organic matter in the two-stage anoxic/aerobic process treating swine wastewater using fluorescence excitation-emission matrix with parallel factor analysis. ○
- 18 Radical-induced rapid humification of waste milk and the performance of derived slow release fulvic-like fertilizer. ○

- 17 Identification of high oxygen-consuming substances in stormwater drainage systems illicitly connected with sewage system. **2024**, 138, 132-140 ○
- 16 Mechanistic insights into collaborative removal of NO and chromium from flue gas in denitrifying biotrickling filter. **2023**, 11, 109889 ○
- 15 Dissolved organic nitrogen removal and its mechanisms during simulated soil aquifer treatment. **2023**, 881, 163516 ○
- 14 Sludge source-redox mediators obtainment and availability for enhancing bioelectrogenesis and acidogenesis: Deciphering characteristics and mechanisms. **2023**, 236, 119974 ○
- 13 A classification-based approach to mapping particulate organic matter (POM) in inland water using OLCI images. ○
- 12 Seasonal and Spatial Variations in the Optical Characteristics of Dissolved Organic Matter in the Huma River Basin, China. **2023**, 15, 1579 ○
- 11 Molecular insights towards changing behaviors of organic matter in a full-scale water treatment plant using FTICR-MS. **2023**, 138731 ○
- 10 Novel lanthanum-iron oxide nanoparticles alleviate the inhibition of anaerobic digestion by carbamazepine through adsorption and bioaugmentation. **2023**, 340, 117975 ○
- 9 Fouling and clogging behavior of porous membrane during biogas recovery from submerged granular anaerobic membrane bioreactor permeate; long-term stability analysis. **2023**, 53, 103717 ○
- 8 Enhancement of extracellular Cr(VI) reduction for anammox recovery using hydrazine: performance, pathways, and mechanism. **2023**, 17, ○
- 7 Characterization of fluorescence properties of wounds on soybean seedlings during healing process using excitation emission matrix and fluorescence imaging. **2023**, 122766 ○
- 6 Hydrophile-lipophile balance solid phase extraction of surface water organics: Fluorescent elution preference and overlooked fractions. **2023**, 138770 ○
- 5 Carbon spheres modified titanium air diffusion cathode for boosting H₂O₂ and application in disinfection. **2023**, 11, 110012 ○
- 4 UV/Fe(II)/S(IV) Pretreatment for Ultrafiltration of Microcystis aeruginosa-Laden Water: Fe(II)/Fe(III) Triggered Synergistic Oxidation and Coagulation. **2023**, 13, 463 ○
- 3 Pyrolysis of nickel salt@cellulose to prepare Ni/C catalyst with tunable hydrogenation and acid site for the selective hydrogenation of furfuryl alcohol. **2023**, 11, 110013 ○
- 2 Interactions between white and black carbon in water: A case study of concurrent aging of microplastics and biochar. **2023**, 238, 120006 ○
- 1 Novel self-sustained flow-through electrochemical advanced oxidation processes using nano-Fe₀ confined B, N co-doped carbon nanotubes/graphite felt cathode: Higher mineralization efficiency under wider pH. **2023**, 318, 123944 ○