

Am Jang

List of Publications by Year in descending order

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148
papers

4,157
citations

125106

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times ranked

5064
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of membrane system performance using artificial intelligence technologies for sustainable water and wastewater treatment: A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 3689-3719.	6.6	23
2	Review of adsorptionâ€‘membrane hybrid systems for water and wastewater treatment. <i>Chemosphere</i> , 2022, 286, 131916.	4.2	83
3	Role of organic fouling layers on the transport of micropollutants in forward osmosis membrane processes. <i>Journal of Water Process Engineering</i> , 2022, 45, 102469.	2.6	4
4	Fate, elimination, and simulation of low-molecular-weight micropollutants in an integrated activated carbon-fertiliser drawn osmotic membrane bioreactor. <i>Bioresource Technology</i> , 2022, 351, 126972.	4.8	4
5	Fertilizer draw solution index in osmotic membrane bioreactor for simultaneous wastewater treatment and sustainable agriculture. <i>Chemosphere</i> , 2022, 296, 134002.	4.2	6
6	Recovery of volatile fatty acids using forward osmosis: Influence of solution chemistry, temperature, and membrane orientation. <i>Chemosphere</i> , 2022, 303, 134814.	4.2	7
7	Size-dependent transport and fouling formation of organic matters in a pilot-scale PFOâ€‘RO hybrid system for real wastewater treatment. <i>Journal of Cleaner Production</i> , 2022, 361, 132233.	4.6	2
8	Possibility assessment of ultrafiltration membrane pre-treatment efficiency for brackish water reverse osmosis-based wastewater reuse: Lab and demonstration. <i>Chemosphere</i> , 2022, 303, 134897.	4.2	2
9	Prediction of forward osmosis membrane engineering factors using artificial intelligence approach. <i>Journal of Environmental Management</i> , 2022, 318, 115544.	3.8	7
10	The application of microalgae in removing organic micropollutants in wastewater. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 1187-1220.	6.6	50
11	Enhanced adsorption performance for selected pharmaceutical compounds by sonicated Ti3C2TX MXene. <i>Chemical Engineering Journal</i> , 2021, 406, 126789.	6.6	116
12	Effects of co-existence of organic matter and microplastics on the rejection of PFCs by forward osmosis membrane. <i>Environmental Research</i> , 2021, 194, 110597.	3.7	13
13	The influence of engineering factors on the efficiency of a spiral wound forward osmosis system: Performance and economic evaluation. <i>Desalination</i> , 2021, 501, 114884.	4.0	6
14	Low-pressure volume retarded osmosis for removal of per- and polyfluoroalkyl substances. <i>Water Research</i> , 2021, 194, 116929.	5.3	6
15	Electrochemical recovery of H2 and nutrients (N, P) from synthetic source separate urine water. <i>Chemosphere</i> , 2021, 269, 129361.	4.2	12
16	Facile Surface Modification of Polyamide Membranes Using UV-Photooxidation Improves Permeability and Reduces Natural Organic Matter Fouling. <i>Environmental Science & Technology</i> , 2021, 55, 6984-6994.	4.6	25
17	An osmotic membrane bioreactorâ€‘clarifier system with a deep learning model for simultaneous reduction of salt accumulation and membrane fouling. <i>Chemosphere</i> , 2021, 272, 129872.	4.2	14
18	Real-time fouling monitoring and membrane autopsy analysis in forward osmosis for wastewater reuse. <i>Water Research</i> , 2021, 197, 117098.	5.3	20

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19	Real-time monitoring of forward osmosis membrane fouling in wastewater reuse process performed with a deep learning model. <i>Chemosphere</i> , 2021, 275, 130047.	4.2	24
20	Comparative analysis of salt cleaning and osmotic backwash on calcium-bridged organic fouling in nanofiltration process. <i>Desalination</i> , 2021, 507, 115022.	4.0	18
21	Effects of microplastics on the removal of trace organic compounds during ozonation: Oxidation and adsorption of trace organic compounds and byproducts. <i>Environmental Pollution</i> , 2021, 280, 116878.	3.7	10
22	Development of artificial intelligence-based models for the prediction of filtration performance and membrane fouling in an osmotic membrane bioreactor. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105337.	3.3	23
23	Forward osmosis system design and optimization using a commercial cellulose triacetate hollow fibre membrane module for energy efficient desalination. <i>Desalination</i> , 2021, 510, 115075.	4.0	16
24	Mitigation of self-shading effect in embedded optical fiber in <i>Chlorella sorokiniana</i> immobilized polyvinyl alcohol gel beads. <i>Chemosphere</i> , 2021, 283, 131195.	4.2	3
25	Forward osmosis (FO)-reverse osmosis (RO) hybrid process incorporated with hollow fiber FO. <i>Npj Clean Water</i> , 2021, 4, .	3.1	17
26	Effect of the working and counter/quasi-reference electrode relative area ratio of silver sensor electrodes on voltammetric detection of Pb(II). <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 67-70.	2.9	1
27	A metal organic framework-ultrafiltration hybrid system for removing selected pharmaceuticals and natural organic matter. <i>Chemical Engineering Journal</i> , 2020, 382, 122920.	6.6	47
28	Reduction of biofouling potential in cartridge filter by using chlorine dioxide for enhancing anti-biofouling of seawater reverse osmosis membrane. <i>Environmental Research</i> , 2020, 180, 108866.	3.7	10
29	High turbidity water treatment by ceramic microfiltration membrane: Fouling identification and process optimization. <i>Environmental Technology and Innovation</i> , 2020, 17, 100578.	3.0	27
30	Fouling and transport of organic matter in cellulose triacetate forward-osmosis membrane for wastewater reuse and seawater desalination. <i>Chemical Engineering Journal</i> , 2020, 384, 123341.	6.6	32
31	Long-term performance and initial fouling evaluation of an open-loop plate and frame forward osmosis element using wastewater treatment plant secondary effluent as a feed solution. <i>Journal of Water Process Engineering</i> , 2020, 33, 101077.	2.6	9
32	Electrocoagulants Characteristics and Application of Electrocoagulation for Micropollutant Removal and Transformation Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1775-1788.	4.0	33
33	Removal of organic micropollutants using advanced membrane-based water and wastewater treatment: A review. <i>Journal of Membrane Science</i> , 2020, 598, 117672.	4.1	238
34	Techno-economic evaluation of an element-scale forward osmosis-reverse osmosis hybrid process for seawater desalination. <i>Desalination</i> , 2020, 476, 114240.	4.0	44
35	Reduction of hexavalent chromium and degradation of tetracycline using a novel indium-doped Mn ₂ O ₃ nanorod photocatalyst. <i>Journal of Hazardous Materials</i> , 2020, 397, 122885.	6.5	76
36	Enhanced mechanical deep dewatering of dewatered sludge by a thermal hydrolysis pre-treatment: Effects of temperature and retention time. <i>Environmental Research</i> , 2020, 188, 109746.	3.7	16

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37	Exploration of microalgal species for simultaneous wastewater treatment and biofuel production. <i>Environmental Research</i> , 2020, 188, 109772.	3.7	24
38	Mechanisms for degradation and transformation of β -blocker atenolol via electrocoagulation, electro-Fenton, and electro-Fenton-like processes. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1465-1481.	1.2	26
39	Incorporation of iron (oxyhydr)oxide nanoparticles with expanded graphite for phosphorus removal and recovery from aqueous solutions. <i>Chemosphere</i> , 2020, 259, 127395.	4.2	11
40	Characterization and control of membrane fouling during dewatering of activated sludge using a thin film composite forward osmosis membrane. <i>Journal of Hazardous Materials</i> , 2020, 396, 122736.	6.5	18
41	Enhancement of ozonation of seawater-based wastewater containing pharmaceutical compounds by total residual oxidants: Salinity, ammonia, and organic matter. <i>Chemosphere</i> , 2020, 259, 127513.	4.2	10
42	Optimization of alginate bead size immobilized with <i>Chlorella vulgaris</i> and <i>Chlamydomonas reinhardtii</i> for nutrient removal. <i>Bioresource Technology</i> , 2020, 302, 122891.	4.8	33
43	Charge characteristics (surface charge vs. zeta potential) of membrane surfaces to assess the salt rejection behavior of nanofiltration membranes. <i>Separation and Purification Technology</i> , 2020, 247, 117026.	3.9	47
44	Effect of peroxomonosulfate, peroxydisulfate and hydrogen peroxide on graphene oxide photocatalytic performances in methyl orange dye degradation. <i>Chemosphere</i> , 2019, 237, 124479.	4.2	60
45	Municipal wastewater treatment by forward osmosis using seawater concentrate as draw solution. <i>Chemosphere</i> , 2019, 237, 124485.	4.2	36
46	Enhancing the removal efficiency of osmotic membrane bioreactors: A comprehensive review of influencing parameters and hybrid configurations. <i>Chemosphere</i> , 2019, 236, 124363.	4.2	29
47	Construction of heterostructure CoWO ₄ /g-C ₃ N ₄ nanocomposite as an efficient visible-light photocatalyst for norfloxacin degradation. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 558-567.	2.9	75
48	Comparative performance of FO-RO hybrid and two-pass SWRO desalination processes: Boron removal. <i>Desalination</i> , 2019, 471, 114114.	4.0	29
49	The effects of naturally occurring operation factors on the removal mechanism of major algae metabolized materials in forward osmosis process. <i>Journal of Cleaner Production</i> , 2019, 239, 118009.	4.6	12
50	Application of volume retarded osmosis "Low pressure membrane hybrid process for recovery of heavy metals in acid mine drainage. <i>Chemosphere</i> , 2019, 232, 264-272.	4.2	15
51	Removal and transport behavior of trace organic compounds and degradation byproducts in forward osmosis process: Effects of operation conditions and membrane properties. <i>Chemical Engineering Journal</i> , 2019, 375, 122030.	6.6	25
52	Removal behaviors and fouling mechanisms of charged antibiotics and nanoparticles on forward osmosis membrane. <i>Journal of Environmental Management</i> , 2019, 247, 385-393.	3.8	17
53	Techno-economic assessment of fertiliser drawn forward osmosis process for greenwall plants from urban wastewater. <i>Chemical Engineering Research and Design</i> , 2019, 127, 180-188.	2.7	29
54	Chemical-free scale inhibition method for seawater reverse osmosis membrane process: Air micro-nano bubbles. <i>Desalination</i> , 2019, 461, 1-9.	4.0	50

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55	Tuning the nanostructure of nitrogen-doped graphene laminates for forward osmosis desalination. <i>Nanoscale</i> , 2019, 11, 22025-22032.	2.8	13
56	Effect of charged nano-particles on ceramic microfiltration membrane fouling. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 72, 125-132.	2.9	14
57	Application of a volume retarded osmosis–low pressure membrane hybrid process for treatment of acid whey. <i>Chemosphere</i> , 2019, 219, 261-267.	4.2	9
58	Optimization of simplified freeze desalination with surface scraped freeze crystallizer for producing irrigation water without seeding. <i>Desalination</i> , 2019, 452, 68-74.	4.0	21
59	Removal of selected pharmaceuticals in an ultrafiltration-activated biochar hybrid system. <i>Journal of Membrane Science</i> , 2019, 570-571, 77-84.	4.1	43
60	Assessing the removal of organic micropollutants by a novel baffled osmotic membrane bioreactor-microfiltration hybrid system. <i>Bioresource Technology</i> , 2018, 262, 98-106.	4.8	47
61	Nanoparticle charge affects water and reverse salt fluxes in forward osmosis process. <i>Desalination</i> , 2018, 438, 10-18.	4.0	15
62	Presence of Fe-Al binary oxide adsorbent cake layer in ceramic membrane filtration and their impact for removal of HA and BSA. <i>Chemosphere</i> , 2018, 196, 440-452.	4.2	7
63	Evaluation of an element-scale plate-type forward osmosis: Effect of structural parameters and operational conditions. <i>Desalination</i> , 2018, 430, 15-23.	4.0	19
64	Organic fouling characterization of a CTA-based spiral-wound forward osmosis (SWFO) membrane used in wastewater reuse and seawater desalination. <i>Chemical Engineering Journal</i> , 2018, 336, 141-151.	6.6	37
65	Feasibility evaluation of element scale forward osmosis for direct connection with reverse osmosis. <i>Journal of Membrane Science</i> , 2018, 549, 366-376.	4.1	21
66	Effect of humic acid in surface water on the electrochemical performance of bromate detection. <i>Chemical Engineering Journal</i> , 2018, 339, 317-321.	6.6	1
67	Application of volume-retarded osmosis and low-pressure membrane hybrid process for water reclamation. <i>Chemosphere</i> , 2018, 194, 76-84.	4.2	12
68	Foulant–foulant Interaction of Combined Micro-particulate and Organic Fouling on a Ceramic Membrane. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 4814-4825.	0.9	3
69	Current development and future prospect review of freeze desalination. <i>Desalination</i> , 2018, 447, 167-181.	4.0	92
70	Forward osmosis system analysis for optimum design and operating conditions. <i>Water Research</i> , 2018, 145, 429-441.	5.3	47
71	Relating solute properties of contaminants of emerging concern and their rejection by forward osmosis membrane. <i>Science of the Total Environment</i> , 2018, 639, 673-678.	3.9	39
72	Hybrid forward osmosis-reverse osmosis for wastewater reuse and seawater desalination: Understanding the optimal feed solution to minimise fouling. <i>Chemical Engineering Research and Design</i> , 2018, 117, 523-532.	2.7	58

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73	Evaluation of fouling mechanisms for humic acid molecules in an activated biochar-ultrafiltration hybrid system. <i>Chemical Engineering Journal</i> , 2017, 326, 240-248.	6.6	33
74	Amperometric bromate-sensitive sensor via layer-by-layer assembling of metalloporphyrin and polyelectrolytes on carbon nanotubes modified surfaces. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 157-166.	4.0	16
75	Application of sensitive electrochemical sensing system for detecting bromate from disinfection process in desalination plant. <i>Desalination</i> , 2017, 423, 135-140.	4.0	5
76	The Fouling Characteristics of NOMs on the Microfiltration Ceramic Membrane. <i>Journal of Coastal Research</i> , 2017, 79, 60-64.	0.1	0
77	Enhancement of cleaning-in-place (CIP) of a reverse osmosis desalination process with air micro-nano bubbles. <i>Desalination</i> , 2017, 422, 1-4.	4.0	50
78	New concept of pump-less forward osmosis (FO) and low-pressure membrane (LPM) process. <i>Scientific Reports</i> , 2017, 7, 14569.	1.6	11
79	Evaluation of Removal Mechanisms in a Graphene Oxide-Coated Ceramic Ultrafiltration Membrane for Retention of Natural Organic Matter, Pharmaceuticals, and Inorganic Salts. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40369-40377.	4.0	80
80	Evaluation of natural organic matter adsorption on Fe-Al binary oxide: Comparison with single metal oxides. <i>Chemosphere</i> , 2017, 185, 247-257.	4.2	16
81	Evaluation of forward osmosis membrane performance by using wastewater treatment plant effluents as feed solution. <i>Desalination and Water Treatment</i> , 2016, 57, 26657-26669.	1.0	11
82	Application of chlorine dioxide (ClO ₂) to reverse osmosis (RO) membrane for seawater desalination. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 68, 281-288.	2.7	12
83	Performance evaluation of two-stage spiral wound forward osmosis elements at various operation conditions. <i>Desalination and Water Treatment</i> , 2016, 57, 24583-24594.	1.0	18
84	The effects of physical cleaning and chemical backwashing on foulant formation in a microfiltration membrane intended for the reuse of wastewater. <i>Desalination and Water Treatment</i> , 2016, 57, 26586-26594.	1.0	0
85	Combined coagulation/ceramic membrane ultrafiltration system for reclamation of degreasing washing water. <i>Desalination and Water Treatment</i> , 2016, 57, 7479-7486.	1.0	8
86	Performance assessment of a submerged membrane bioreactor using a novel microbial consortium. <i>Bioresource Technology</i> , 2016, 210, 2-10.	4.8	13
87	Study on electrocoagulation parameters (current density, pH, and electrode distance) for removal of fluoride from groundwater. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	29
88	Effect of forward osmosis (membrane) support layer fouling by organic matter in synthetic seawater solution. <i>Desalination and Water Treatment</i> , 2016, 57, 24595-24605.	1.0	2
89	Fatty acids fouling on forward osmosis membrane: impact of pH. <i>Desalination and Water Treatment</i> , 2016, 57, 7531-7537.	1.0	12
90	Development of a rotary disc voltammetric sensor system for semi-continuous and on-site measurements of Pb(II). <i>Chemosphere</i> , 2016, 143, 78-84.	4.2	9

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91	Study of flux decline and solute diffusion on an osmotically driven membrane process potentially applied to municipal wastewater reclamation. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 33, 255-261.	2.9	11
92	Application of dissolved air flotation (DAF) with coagulation process for treatment of phosphorus within permeate of membrane bioreactor (MBR). <i>Desalination and Water Treatment</i> , 2016, 57, 9043-9050.	1.0	7
93	Fouling characteristics of NOM during the ceramic membrane microfiltration process for water treatment. <i>Desalination and Water Treatment</i> , 2016, 57, 9034-9042.	1.0	6
94	Organic fouling and reverse solute selectivity in forward osmosis: Role of working temperature and inorganic draw solutions. <i>Desalination</i> , 2016, 389, 162-170.	4.0	46
95	A comparative study on per capita waste generation according to a waste collecting system in Korea. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7074-7080.	2.7	3
96	Enhanced Arsenate Removal Performance in Aqueous Solution by Yttrium-Based Adsorbents. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 13523-13541.	1.2	24
97	Foulant characterization and distribution in spiral wound reverse osmosis membranes from different pressure vessels. <i>Desalination</i> , 2015, 370, 44-52.	4.0	42
98	Hydrothermal decoration of iron oxide nanoparticles on expanded graphite for adsorption of phosphorus. , 2015, , .		1
99	Formation and speciation of haloacetic acids in seawater desalination using chlorine dioxide as disinfectant. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 26, 193-201.	2.9	28
100	Influence of microbubble in physical cleaning of MF membrane process for wastewater reuse. <i>Environmental Science and Pollution Research</i> , 2015, 22, 8451-8459.	2.7	20
101	Modeling of a monopolar ion-exchange membrane for nutrient salts removal. <i>Desalination and Water Treatment</i> , 2015, 53, 2825-2830.	1.0	3
102	An analysis of the effects of osmotic backwashing on the seawater reverse osmosis process. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1455-1461.	1.2	9
103	Comparative pyrosequencing analysis of bacterial community change in biofilm formed on seawater reverse osmosis membrane. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 125-136.	1.2	14
104	The role of a combined coagulation and disk filtration process as a pre-treatment to microfiltration and reverse osmosis membranes in a municipal wastewater pilot plant. <i>Chemosphere</i> , 2014, 117, 20-26.	4.2	31
105	Metagenomic analysis for identifying <i>Kimchi</i> sp. during the industrial-scale batch fermentation. <i>Toxicology and Environmental Health Sciences</i> , 2014, 6, 8-15.	1.1	5
106	The evaluation on concentration polarization for effective monitoring of membrane fouling in seawater reverse osmosis membrane system. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2354-2358.	2.9	10
107	Antimicrobial activities of green tea extract on the retardation of kimchi fermentation. <i>Toxicology and Environmental Health Sciences</i> , 2013, 5, 197-200.	1.1	0
108	Advances in pathogen-associated molecules detection using Aptamer based biosensors. <i>Molecular and Cellular Toxicology</i> , 2013, 9, 311-317.	0.8	22

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109	Evaluation of chemical cleaning efficiency of organic-fouled SWRO membrane by analyzing filtration resistance. <i>Desalination and Water Treatment</i> , 2013, 51, 6172-6178.	1.0	6
110	Reflection of the structural distinctions of sourceâ€™ different humic substances on organic fouling behaviors of SWRO membranes. <i>Desalination</i> , 2013, 318, 72-78.	4.0	9
111	Immobilization of lysozyme-CLEA onto electrospun chitosan nanofiber for effective antibacterial applications. <i>International Journal of Biological Macromolecules</i> , 2013, 54, 37-43.	3.6	112
112	Influence of sodium hypochlorite used for chemical enhanced backwashing on biophysical treatment in MBR. <i>Desalination</i> , 2013, 316, 104-109.	4.0	56
113	Ocean current and temperature analysis using satellite data for the effective operation of SWRO desalination plant in Cijang-gun, Busan, South Korea. <i>Desalination and Water Treatment</i> , 2013, 51, 6310-6316.	1.0	0
114	Bioconjugation of gold nanoparticles with DNA for <i>in situ</i> hybridization. <i>Desalination and Water Treatment</i> , 2012, 46, 38-45.	1.0	2
115	A study on the high-flux MBR system using PTFE flat sheet membranes with chemical backwashing. <i>Desalination</i> , 2012, 306, 35-40.	4.0	32
116	Effect on backwash cleaning efficiency with TDS concentrations of circulated water and backwashing water in SWRO membrane. <i>Desalination and Water Treatment</i> , 2012, 43, 124-130.	1.0	11
117	Enhancing the Production of Rhodobacter sphaeroides-Derived Physiologically Active Substances Using Carbonic Anhydrase-Immobilized Electrospun Nanofibers. <i>Biomacromolecules</i> , 2012, 13, 3780-3786.	2.6	28
118	Remediation potential of mulch for removing lead. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 623-630.	1.2	0
119	Study on the initial velocity distribution of exhaled air from coughing and speaking. <i>Chemosphere</i> , 2012, 87, 1260-1264.	4.2	148
120	Effect of chemical cleaning on membrane biofouling in seawater reverse osmosis processes. <i>Desalination and Water Treatment</i> , 2011, 33, 289-294.	1.0	5
121	Potential integration of cadmium lab chip with immunoassay using quantum dot/antibody probe for detection of microcystin-LR. <i>Desalination and Water Treatment</i> , 2011, 33, 382-388.	1.0	3
122	Bead-Based Competitive Fluorescence Immunoassay for Sensitive and Rapid Diagnosis of Cyanotoxin Risk in Drinking Water. <i>Environmental Science & Technology</i> , 2011, 45, 7804-7811.	4.6	45
123	Mobilization and deposition of iron nano and sub-micrometer particles in porous media: A glass micromodel study. <i>Journal of Hazardous Materials</i> , 2011, 192, 1466-1475.	6.5	17
124	Reduction of highly concentrated nitrate using nanoscale zero-valent iron: Effects of aggregation and catalyst on reactivity. <i>Applied Catalysis B: Environmental</i> , 2011, 105, 128-135.	10.8	143
125	Evaluation of whole lysosomal enzymes directly immobilized on titanium (IV) oxide used in the development of antimicrobial agents. <i>Enzyme and Microbial Technology</i> , 2011, 49, 260-265.	1.6	21
126	A polymer lab chip sensor with microfabricated planar silver electrode for continuous and on-site heavy metal measurement. <i>Sensors and Actuators B: Chemical</i> , 2011, 155, 145-153.	4.0	59

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127	Kinetics determination of electrogenerated hydrogen peroxide (H ₂ O ₂) using carbon fiber microelectrode in electroenzymatic degradation of phenolic compounds. <i>Journal of Hazardous Materials</i> , 2010, 175, 253-257.	6.5	20
128	Potentiometric and voltammetric polymer lab chip sensors for determination of nitrate, pH and Cd(II) in water. <i>Talanta</i> , 2010, 83, 1-8.	2.9	48
129	An On-Site Heavy Metal Analyzer With Polymer Lab-on-a-Chips for Continuous Sampling and Monitoring. <i>IEEE Sensors Journal</i> , 2009, 9, 586-594.	2.4	39
130	Environmentally friendly disposable sensors with microfabricated on-chip planar bismuth electrode for in situ heavy metal ions measurement. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 18-24.	4.0	184
131	Organic mulch biowall for PAH contaminated groundwater remediation. <i>European Journal of Soil Biology</i> , 2007, 43, 304-309.	1.4	8
132	A disposable on-chip phosphate sensor with planar cobalt microelectrodes on polymer substrate. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1902-1907.	5.3	84
133	An Integrated Amperometric Sensor for in situ Environmental Monitoring. , 2006, , .		1
134	Fabrication of microelectrode arrays for in situ sensing of oxidation reduction potentials. <i>Sensors and Actuators B: Chemical</i> , 2006, 115, 220-226.	4.0	30
135	Measurement of chlorine dioxide penetration in dairy process pipe biofilms during disinfection. <i>Applied Microbiology and Biotechnology</i> , 2006, 72, 368-376.	1.7	58
136	Measurement of growth rate of ammonia oxidizing bacteria in partially submerged rotating biological contactor by fluorescent in situ hybridization (FISH). <i>Journal of Environmental Engineering and Science</i> , 2005, 4, 413-420.	0.3	20
137	A MEMS based microelectrode sensor with integrated signal processing circuitry. , 2005, , .		0
138	Miniaturized Redox Potential Probe for In Situ Environmental Monitoring. <i>Environmental Science & Technology</i> , 2005, 39, 6191-6197.	4.6	33
139	Effect of High Oxygen Concentrations on Nitrification and Performance of High-Purity Oxygen A/O Biofilm Process. <i>Environmental Engineering Science</i> , 2004, 21, 273-281.	0.8	7
140	Denitrification of Drinking Water Using Biofilms Formed by <i>Paracoccus denitrificans</i> and Microbial Adhesion. <i>Environmental Engineering Science</i> , 2004, 21, 283-290.	0.8	12
141	Monitoring the impact of dissolved oxygen and nitrite on anoxic biofilm in continuous denitrification process. <i>Environmental Monitoring and Assessment</i> , 2003, 87, 133-144.	1.3	7
142	Characterization and evaluation of aerobic granules in sequencing batch reactor. <i>Journal of Biotechnology</i> , 2003, 105, 71-82.	1.9	103
143	Activity monitoring for nitrifying bacteria by fluorescence in situ hybridization and respirometry. <i>Environmental Monitoring and Assessment</i> , 2001, 70, 223-231.	1.3	10
144	Effect of heavy metals (Cu, Pb, and Ni) on the compositions of EPS in biofilms. <i>Water Science and Technology</i> , 2001, 43, 41-8.	1.2	12

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145	Solidification and stabilization of Pb, Zn, Cd and Cu in tailing wastes using cement and fly ash. Minerals Engineering, 2000, 13, 1659-1662.	1.8	41
146	Batch and column tests for the development of an immobilization technology for toxic heavy metals in contaminated soils of closed mines. Water Science and Technology, 1998, 37, 81-88.	1.2	44
147	An Integrated Amperometric Sensor for in situ Environmental Monitoring. , 0, , .		1
148	Evaluation of EDTA salts for potential application to draw solute of a forward osmosis process. , 0, 77, 129-134.		3