

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

355
papers

17,990
citations

69
h-index

121
g-index

367
ext. papers

20,800
ext. citations

7.6
avg, IF

7.57
L-index

#	Paper	IF	Citations
355	Biosorption isotherms, kinetics and thermodynamics. <i>Separation and Purification Technology</i> , 2008 , 61, 229-242	8.3	753
354	Is the Free Energy Change of Adsorption Correctly Calculated?. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 1981-1985	2.8	705
353	The essential role of hydrodynamic shear force in the formation of biofilm and granular sludge. <i>Water Research</i> , 2002 , 36, 1653-65	12.5	651
352	State of the art of biogranulation technology for wastewater treatment. <i>Biotechnology Advances</i> , 2004 , 22, 533-63	17.8	591
351	Principle and applications of microbubble and nanobubble technology for water treatment. <i>Chemosphere</i> , 2011 , 84, 1175-80	8.4	464
350	Bioconversion of food waste to energy: A review. <i>Fuel</i> , 2014 , 134, 389-399	7.1	429
349	The effects of shear force on the formation, structure and metabolism of aerobic granules. <i>Applied Microbiology and Biotechnology</i> , 2001 , 57, 227-33	5.7	337
348	The effects of extracellular polymeric substances on the formation and stability of biogranules. <i>Applied Microbiology and Biotechnology</i> , 2004 , 65, 143-8	5.7	321
347	Microscopic observation of aerobic granulation in sequential aerobic sludge blanket reactor. <i>Journal of Applied Microbiology</i> , 2001 , 91, 168-75	4.7	305
346	A comprehensive review on food waste anaerobic digestion: Research updates and tendencies. <i>Bioresource Technology</i> , 2018 , 247, 1069-1076	11	277
345	High organic loading influences the physical characteristics of aerobic sludge granules. <i>Letters in Applied Microbiology</i> , 2002 , 34, 407-12	2.9	259
344	Causes and control of filamentous growth in aerobic granular sludge sequencing batch reactors. <i>Biotechnology Advances</i> , 2006 , 24, 115-27	17.8	244
343	From Langmuir kinetics to first- and second-order rate equations for adsorption. <i>Langmuir</i> , 2008 , 24, 11625-30	4	234
342	Application of constructed wetlands for wastewater treatment in developing countries--a review of recent developments (2000-2013). <i>Journal of Environmental Management</i> , 2014 , 141, 116-31	7.9	212
341	Mechanisms and models for anaerobic granulation in upflow anaerobic sludge blanket reactor. <i>Water Research</i> , 2003 , 37, 661-73	12.5	207
340	Impacts of salinity on the performance of high retention membrane bioreactors for water reclamation: A review. <i>Water Research</i> , 2010 , 44, 21-40	12.5	204
339	The role of cellular polysaccharides in the formation and stability of aerobic granules. <i>Letters in Applied Microbiology</i> , 2001 , 33, 222-6	2.9	178

338	Strategy for minimization of excess sludge production from the activated sludge process. <i>Biotechnology Advances</i> , 2001 , 19, 97-107	17.8	173
337	New insights into pseudo-second-order kinetic equation for adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 320, 275-278	5.1	170
336	Chemically reduced excess sludge production in the activated sludge process. <i>Chemosphere</i> , 2003 , 50, 1-7	8.4	170
335	Improved stability of aerobic granules by selecting slow-growing nitrifying bacteria. <i>Journal of Biotechnology</i> , 2004 , 108, 161-9	3.7	163
334	Effect of settling time on aerobic granulation in sequencing batch reactor. <i>Biochemical Engineering Journal</i> , 2004 , 21, 47-52	4.2	162
333	Distribution of EPS and cell surface hydrophobicity in aerobic granules. <i>Applied Microbiology and Biotechnology</i> , 2005 , 69, 469-73	5.7	160
332	Biological control of microbial attachment: a promising alternative for mitigating membrane biofouling. <i>Applied Microbiology and Biotechnology</i> , 2010 , 86, 825-37	5.7	158
331	Fouling and wetting in membrane distillation (MD) and MD-bioreactor (MDBR) for wastewater reclamation. <i>Desalination</i> , 2013 , 323, 39-47	10.3	157
330	Equilibrium, thermodynamics and mechanisms of Ni ²⁺ biosorption by aerobic granules. <i>Biochemical Engineering Journal</i> , 2007 , 35, 174-182	4.2	153
329	The influence of cell and substratum surface hydrophobicities on microbial attachment. <i>Journal of Biotechnology</i> , 2004 , 110, 251-6	3.7	148
328	Turning food waste to energy and resources towards a great environmental and economic sustainability: An innovative integrated biological approach. <i>Biotechnology Advances</i> , 2019 , 37, 107414	17.8	142
327	Some consideration on the Langmuir isotherm equation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006 , 274, 34-36	5.1	142
326	Selection pressure is a driving force of aerobic granulation in sequencing batch reactors. <i>Process Biochemistry</i> , 2004 , 39, 579-584	4.8	139
325	A general model for biosorption of Cd ²⁺ , Cu ²⁺ and Zn ²⁺ by aerobic granules. <i>Journal of Biotechnology</i> , 2003 , 102, 233-9	3.7	134
324	Study of integration of forward osmosis and biological process: Membrane performance under elevated salt environment. <i>Desalination</i> , 2011 , 283, 123-130	10.3	131
323	The challenges of mainstream deammonification process for municipal used water treatment. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 2485-90	5.7	128
322	Selection pressure-driven aerobic granulation in a sequencing batch reactor. <i>Applied Microbiology and Biotechnology</i> , 2005 , 67, 26-32	5.7	125
321	Enzymatic pretreatment of activated sludge, food waste and their mixture for enhanced bioenergy recovery and waste volume reduction via anaerobic digestion. <i>Applied Energy</i> , 2016 , 179, 1131-1137	10.7	119

320	Characteristics of aerobic granules grown on glucose and acetate in sequential aerobic sludge blanket reactors. <i>Environmental Technology (United Kingdom)</i> , 2002 , 23, 931-6	2.6	118
319	Fouling propensity of forward osmosis: investigation of the slower flux decline phenomenon. <i>Water Science and Technology</i> , 2010 , 61, 927-36	2.2	116
318	Effect of shear stress and growth conditions on detachment and physical properties of biofilms. <i>Water Research</i> , 2012 , 46, 5499-5508	12.5	115
317	Inhibition of free ammonia to the formation of aerobic granules. <i>Biochemical Engineering Journal</i> , 2004 , 17, 41-48	4.2	113
316	Ca ²⁺ augmentation for enhancement of aerobically grown microbial granules in sludge blanket reactors. <i>Biotechnology Letters</i> , 2003 , 25, 95-9	3	112
315	Bioremediation of wastewaters with recalcitrant organic compounds and metals by aerobic granules. <i>Biotechnology Advances</i> , 2011 , 29, 111-23	17.8	111
314	A novel granular sludge sequencing batch reactor for removal of organic and nitrogen from wastewater. <i>Journal of Biotechnology</i> , 2003 , 106, 77-86	3.7	111
313	Factors affecting flux performance of forward osmosis systems. <i>Journal of Membrane Science</i> , 2012 , 394-395, 151-168	9.6	107
312	Cell hydrophobicity is a triggering force of biogranulation. <i>Enzyme and Microbial Technology</i> , 2004 , 34, 371-379	3.8	106
311	COD capture: a feasible option towards energy self-sufficient domestic wastewater treatment. <i>Scientific Reports</i> , 2016 , 6, 25054	4.9	102
310	Development and characteristics of phosphorus-accumulating microbial granules in sequencing batch reactors. <i>Applied Microbiology and Biotechnology</i> , 2003 , 62, 430-5	5.7	94
309	Effect of pH on nickel biosorption by aerobic granular sludge. <i>Bioresource Technology</i> , 2006 , 97, 359-63	11	91
308	Application of constructed wetlands for wastewater treatment in tropical and subtropical regions (2000-2013). <i>Journal of Environmental Sciences</i> , 2015 , 30, 30-46	6.4	88
307	Biodiesels from microbial oils: Opportunity and challenges. <i>Bioresource Technology</i> , 2018 , 263, 631-641	11	88
306	Enhancing the hydrolysis and methane production potential of mixed food waste by an effective enzymatic pretreatment. <i>Bioresource Technology</i> , 2015 , 183, 47-52	11	85
305	Anaerobic granulation technology for wastewater treatment. <i>World Journal of Microbiology and Biotechnology</i> , 2002 , 18, 99-113	4.4	85
304	Mechanisms of Cd ²⁺ , Cu ²⁺ and Ni ²⁺ biosorption by aerobic granules. <i>Separation and Purification Technology</i> , 2008 , 58, 400-411	8.3	83
303	A general rate law equation for biosorption. <i>Biochemical Engineering Journal</i> , 2008 , 38, 390-394	4.2	83

302	Decontamination of radioactive wastewater: State of the art and challenges forward. <i>Chemosphere</i> , 2019 , 215, 543-553	8.4	82
301	Metabolic response of biofilm to shear stress in fixed-film culture. <i>Journal of Applied Microbiology</i> , 2001 , 90, 337-42	4.7	81
300	Migration and potential risk of trace phthalates in bottled water: A global situation. <i>Water Research</i> , 2018 , 147, 362-372	12.5	81
299	Bioethanol production from mixed food waste by an effective enzymatic pretreatment. <i>Fuel</i> , 2015 , 159, 463-469	7.1	80
298	Hydraulic selection pressure-induced nitrifying granulation in sequencing batch reactors. <i>Applied Microbiology and Biotechnology</i> , 2002 , 59, 332-7	5.7	80
297	Biosorption kinetics of cadmium(II) on aerobic granular sludge. <i>Process Biochemistry</i> , 2003 , 38, 997-1001	4.8	79
296	Dissolved methane: a hurdle for anaerobic treatment of municipal wastewater. <i>Environmental Science & Technology</i> , 2014 , 48, 889-90	10.3	78
295	State of the art of osmotic membrane bioreactors for water reclamation. <i>Bioresource Technology</i> , 2012 , 122, 217-22	11	76
294	Denitrification on poly-beta-hydroxybutyrate in microbial granular sludge sequencing batch reactor. <i>Water Research</i> , 2005 , 39, 1503-10	12.5	76
293	Mainstream anammox in a novel A-2B process for energy-efficient municipal wastewater treatment with minimized sludge production. <i>Water Research</i> , 2018 , 138, 1-6	12.5	74
292	Substrate concentration-independent aerobic granulation in sequential aerobic sludge blanket reactor. <i>Environmental Technology (United Kingdom)</i> , 2003 , 24, 1235-42	2.6	73
291	Utilization of a metabolic uncoupler, 3,3',4',5-tetrachlorosalicylanilide (TCS) to reduce sludge growth in activated sludge culture. <i>Water Research</i> , 2002 , 36, 2077-83	12.5	73
290	State of the art of biological processes for coal gasification wastewater treatment. <i>Biotechnology Advances</i> , 2016 , 34, 1064-1072	17.8	71
289	Towards mainstream deammonification of municipal wastewater: Partial nitrification-anammox versus partial denitrification-anammox. <i>Science of the Total Environment</i> , 2019 , 692, 393-401	10.2	71
288	The role of cell hydrophobicity in the formation of aerobic granules. <i>Current Microbiology</i> , 2003 , 46, 270-4	4.4	70
287	A self-sustaining synergetic microalgal-bacterial granular sludge process towards energy-efficient and environmentally sustainable municipal wastewater treatment. <i>Water Research</i> , 2020 , 179, 115884	12.5	69
286	Characterization of soluble microbial products (SMPs) in a membrane bioreactor (MBR) treating synthetic wastewater containing pharmaceutical compounds. <i>Water Research</i> , 2016 , 102, 594-606	12.5	67
285	Remediation technologies for oil-contaminated sediments. <i>Marine Pollution Bulletin</i> , 2015 , 101, 483-90	6.7	65

284	The role of SBR mixed liquor volume exchange ratio in aerobic granulation. <i>Chemosphere</i> , 2006 , 62, 767-814	6.5	65
283	Advanced treatment of biologically treated coking wastewater by membrane distillation coupled with pre-coagulation. <i>Desalination</i> , 2016 , 380, 43-51	10.3	61
282	Diffusion of substrate and oxygen in aerobic granule. <i>Biochemical Engineering Journal</i> , 2005 , 27, 45-52	4.2	61
281	Effect of crude glycerol impurities on lipid preparation by <i>Rhodospiridium toruloides</i> yeast 32489. <i>Bioresource Technology</i> , 2016 , 218, 373-9	11	61
280	Platform chemical production from food wastes using a biorefinery concept. <i>Journal of Chemical Technology and Biotechnology</i> , 2015 , 90, 1364-1379	3.5	60
279	Phytotoxicity and bioaccumulation of ZnO nanoparticles in <i>Schoenoplectus tabernaemontani</i> . <i>Chemosphere</i> , 2015 , 120, 211-9	8.4	60
278	Harvesting of microalgae <i>Desmodesmus</i> sp. F51 by bioflocculation with bacterial bioflocculant. <i>Algal Research</i> , 2014 , 6, 186-193	5	60
277	The role of transparent exopolymer particles (TEP) in membrane fouling: A critical review. <i>Water Research</i> , 2020 , 181, 115930	12.5	60
276	Insights into removal mechanisms of bisphenol A and its analogues in municipal wastewater treatment plants. <i>Science of the Total Environment</i> , 2019 , 692, 107-116	10.2	59
275	Role and significance of extracellular polymeric substances from granular sludge for simultaneous removal of organic matter and ammonia nitrogen. <i>Bioresource Technology</i> , 2015 , 179, 460-466	11	59
274	Enzyme Production from Food Wastes Using a Biorefinery Concept. <i>Waste and Biomass Valorization</i> , 2014 , 5, 903-917	3.2	59
273	Control and cleaning of membrane biofouling by energy uncoupling and cellular communication. <i>Environmental Science & Technology</i> , 2011 , 45, 595-601	10.3	59
272	Energy self-sufficient biological municipal wastewater reclamation: Present status, challenges and solutions forward. <i>Bioresource Technology</i> , 2018 , 269, 513-519	11	59
271	New insights into co-digestion of activated sludge and food waste: Biogas versus biofertilizer. <i>Bioresource Technology</i> , 2017 , 241, 448-453	11	58
270	Engineering feasibility, economic viability and environmental sustainability of energy recovery from nitrous oxide in biological wastewater treatment plant. <i>Bioresource Technology</i> , 2019 , 282, 514-519	11	58
269	Biodegradability of extracellular polymeric substances produced by aerobic granules. <i>Applied Microbiology and Biotechnology</i> , 2007 , 74, 462-6	5.7	58
268	Evaluation of anaerobic digestion of food waste and waste activated sludge: Soluble COD versus its chemical composition. <i>Science of the Total Environment</i> , 2018 , 643, 21-27	10.2	57
267	New insight into enhanced production of short-chain fatty acids from waste activated sludge by cation exchange resin-induced hydrolysis. <i>Chemical Engineering Journal</i> , 2020 , 388, 124235	14.7	55

266	An integrated engineering system for maximizing bioenergy production from food waste. <i>Applied Energy</i> , 2017 , 206, 83-89	10.7	55
265	d-Amino acid mitigated membrane biofouling and promoted biofilm detachment. <i>Journal of Membrane Science</i> , 2011 , 376, 266-274	9.6	55
264	Enhanced membrane biofouling potential by on-line chemical cleaning in membrane bioreactor. <i>Journal of Membrane Science</i> , 2016 , 511, 84-91	9.6	55
263	Impact of a biofouling layer on the vapor pressure driving force and performance of a membrane distillation process. <i>Journal of Membrane Science</i> , 2013 , 438, 140-152	9.6	54
262	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. <i>Water Research</i> , 2016 , 104, 44-52	12.5	54
261	Ultrafiltration behaviors of alginate blocks at various calcium concentrations. <i>Water Research</i> , 2015 , 83, 248-57	12.5	52
260	Overview of some theoretical approaches for derivation of the Monod equation. <i>Applied Microbiology and Biotechnology</i> , 2007 , 73, 1241-50	5.7	52
259	Metabolic uncouplers reduce excess sludge production in an activated sludge process. <i>Process Biochemistry</i> , 2003 , 38, 1373-1377	4.8	51
258	Chemical cleaning-associated generation of dissolved organic matter and halogenated byproducts in ceramic MBR: Ozone versus hypochlorite. <i>Water Research</i> , 2018 , 140, 243-250	12.5	50
257	Intermolecular interactions of polysaccharides in membrane fouling during microfiltration. <i>Water Research</i> , 2018 , 143, 38-46	12.5	50
256	Treatment of high salinity brines by direct contact membrane distillation: Effect of membrane characteristics and salinity. <i>Chemosphere</i> , 2015 , 140, 143-9	8.4	50
255	Roles of ATP-dependent N-acylhomoserine lactones (AHLs) and extracellular polymeric substances (EPSs) in aerobic granulation. <i>Chemosphere</i> , 2012 , 88, 1058-64	8.4	50
254	Biodegradation of 2-chloroaniline, 3-chloroaniline, and 4-chloroaniline by a novel strain <i>Delftia tsuruhatensis</i> H1. <i>Journal of Hazardous Materials</i> , 2010 , 179, 875-82	12.8	50
253	Growth kinetics of aerobic granules developed in sequencing batch reactors. <i>Letters in Applied Microbiology</i> , 2004 , 38, 106-12	2.9	50
252	Alginate block fractions and their effects on membrane fouling. <i>Water Research</i> , 2013 , 47, 6618-27	12.5	49
251	Bioenergetic interpretation on the S _{OX} O ratio in substrate-sufficient batch culture. <i>Water Research</i> , 1996 , 30, 2766-2770	12.5	49
250	Effect of Pharmaceuticals on the Performance of a Novel Osmotic Membrane Bioreactor (OMBR). <i>Separation Science and Technology</i> , 2012 , 47, 543-554	2.5	47
249	A novel single-stage process integrating simultaneous COD oxidation, partial nitrification-denitrification and anammox (SCONDA) for treating ammonia-rich organic wastewater. <i>Bioresource Technology</i> , 2018 , 254, 50-55	11	46

248	Detachment forces and their influence on the structure and metabolic behaviour of biofilms. <i>World Journal of Microbiology and Biotechnology</i> , 2001 , 17, 111-117	4.4	46
247	A holistic approach for food waste management towards zero-solid disposal and energy/resource recovery. <i>Bioresource Technology</i> , 2017 , 228, 56-61	11	45
246	Single-stage versus two-stage anaerobic fluidized bed bioreactors in treating municipal wastewater: Performance, foulant characteristics, and microbial community. <i>Chemosphere</i> , 2017 , 171, 158-167	8.4	45
245	Elemental compositions and characteristics of aerobic granules cultivated at different substrate N/C ratios. <i>Applied Microbiology and Biotechnology</i> , 2003 , 61, 556-61	5.7	44
244	Relationship between size and mass transfer resistance in aerobic granules. <i>Letters in Applied Microbiology</i> , 2005 , 40, 312-5	2.9	44
243	Phytoextraction, phytotransformation and rhizodegradation of ibuprofen associated with <i>Typha angustifolia</i> in a horizontal subsurface flow constructed wetland. <i>Water Research</i> , 2016 , 102, 294-304	12.5	44
242	Fate of dissolved organic matter and byproducts generated from on-line chemical cleaning with sodium hypochlorite in MBR. <i>Chemical Engineering Journal</i> , 2017 , 323, 233-242	14.7	43
241	Effect of mechanical scouring by granular activated carbon (GAC) on membrane fouling mitigation. <i>Desalination</i> , 2017 , 403, 80-87	10.3	42
240	Is anaerobic digestion a reliable barrier for deactivation of pathogens in biosludge?. <i>Science of the Total Environment</i> , 2019 , 668, 893-902	10.2	42
239	Bisphenol analogues in Chinese bottled water: Quantification and potential risk analysis. <i>Science of the Total Environment</i> , 2020 , 713, 136583	10.2	42
238	Electric energy production from food waste: Microbial fuel cells versus anaerobic digestion. <i>Bioresource Technology</i> , 2018 , 255, 281-287	11	42
237	High-throughput pyrosequencing analysis of bacteria relevant to cometabolic and metabolic degradation of ibuprofen in horizontal subsurface flow constructed wetlands. <i>Science of the Total Environment</i> , 2016 , 562, 604-613	10.2	42
236	Aerobic granulation for organic carbon and nitrogen removal in alternating aerobic-anaerobic sequencing batch reactor. <i>Chemosphere</i> , 2006 , 63, 926-33	8.4	42
235	Effect of Substrate Nitrogen/Chemical Oxygen Demand Ratio on the Formation of Aerobic Granules. <i>Journal of Environmental Engineering, ASCE</i> , 2005 , 131, 86-92	2	42
234	Importance of extracellular proteins in maintaining structural integrity of aerobic granules. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 112, 435-40	6	41
233	An integrated AMBBR and IFAS-SBR process for municipal wastewater treatment towards enhanced energy recovery, reduced energy consumption and sludge production. <i>Water Research</i> , 2017 , 110, 262-269	12.5	40
232	Fate of tetracycline in enhanced biological nutrient removal process. <i>Chemosphere</i> , 2018 , 193, 998-1003	8.4	40
231	An innovative anaerobic MBR-reverse osmosis-ion exchange process for energy-efficient reclamation of municipal wastewater to NEWater-like product water. <i>Journal of Cleaner Production</i> , 2019 , 230, 1287-1293	10.3	38

230	Effect of tetracycline on microbial community structure associated with enhanced biological N&P removal in sequencing batch reactor. <i>Bioresource Technology</i> , 2018 , 256, 414-420	11	38
229	Toxicity effect of phenol on aerobic granules. <i>Environmental Technology (United Kingdom)</i> , 2009 , 30, 69-74		38
228	Natural adsorption of methylene blue by waste fallen leaves of Magnoliaceae and its repeated thermal regeneration for reuse. <i>Journal of Cleaner Production</i> , 2020 , 267, 121903	10.3	37
227	Correlating the hydrodynamics of fluidized granular activated carbon (GAC) with membrane-fouling mitigation. <i>Journal of Membrane Science</i> , 2016 , 510, 38-49	9.6	37
226	The influence of short-term starvation on aerobic granules. <i>Process Biochemistry</i> , 2006 , 41, 2373-2378	4.8	37
225	Membrane Distillation Bioreactor (MDBR) - A lower Green-House-Gas (GHG) option for industrial wastewater reclamation. <i>Chemosphere</i> , 2015 , 140, 129-42	8.4	36
224	Characterizing the scouring efficiency of Granular Activated Carbon (GAC) particles in membrane fouling mitigation via wavelet decomposition of accelerometer signals. <i>Journal of Membrane Science</i> , 2016 , 498, 105-115	9.6	36
223	Microbial community and biomass characteristics associated severe membrane fouling during start-up of a hybrid anoxic-oxic membrane bioreactor. <i>Bioresource Technology</i> , 2012 , 103, 43-7	11	36
222	DO diffusion profile in aerobic granule and its microbiological implications. <i>Enzyme and Microbial Technology</i> , 2008 , 43, 349-354	3.8	36
221	A unified theory for upscaling aerobic granular sludge sequencing batch reactors. <i>Biotechnology Advances</i> , 2005 , 23, 335-44	17.8	36
220	Nanomaterials for radioactive wastewater decontamination. <i>Environmental Science: Nano</i> , 2020 , 7, 1008-1040	10.4	35
219	Reduced microbial attachment by D-amino acid-inhibited AI-2 and EPS production. <i>Water Research</i> , 2011 , 45, 5796-804	12.5	35
218	Involvement of ATP and autoinducer-2 in aerobic granulation. <i>Biotechnology and Bioengineering</i> , 2010 , 105, 51-8	4.9	35
217	Biofilm detachment by self-collapsing air microbubbles: a potential chemical-free cleaning technology for membrane biofouling. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2203-2207		34
216	Performance, membrane fouling control and cost analysis of an integrated anaerobic fixed-film MBR and reverse osmosis process for municipal wastewater reclamation to NEWater-like product water. <i>Journal of Membrane Science</i> , 2020 , 593, 117442	9.6	33
215	Uptake and accumulation of CuO nanoparticles and CdS/ZnS quantum dot nanoparticles by <i>Schoenoplectus tabernaemontani</i> in hydroponic mesocosms. <i>Ecological Engineering</i> , 2014 , 70, 114-123	3.9	32
214	Temperature-effect on the performance of non-aerated microalgal-bacterial granular sludge process in municipal wastewater treatment. <i>Journal of Environmental Management</i> , 2021 , 282, 111955	7.9	32
213	Pretreatment of landfill leachate in near-neutral pH condition by persulfate activated Fe-C micro-electrolysis system. <i>Chemosphere</i> , 2019 , 216, 749-756	8.4	32

212	Sample-preparation methods for direct and indirect analysis of natural estrogens. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 64, 149-164	14.6	31
211	A simple thermodynamic approach for derivation of a general Monod equation for microbial growth. <i>Biochemical Engineering Journal</i> , 2006 , 31, 102-105	4.2	31
210	Aerobic granules: a novel zinc biosorbent. <i>Letters in Applied Microbiology</i> , 2002 , 35, 548-51	2.9	31
209	Global review of phthalates in edible oil: An emerging and nonnegligible exposure source to human. <i>Science of the Total Environment</i> , 2020 , 704, 135369	10.2	31
208	Specific activity of nitrifying biofilm in water nitrification process. <i>Water Research</i> , 1996 , 30, 1645-1650	12.5	30
207	Removal mechanisms of phosphorus in non-aerated microalgal-bacterial granular sludge process. <i>Bioresource Technology</i> , 2020 , 312, 123531	11	30
206	Microalgal-bacterial granular sludge process: A game changer of future municipal wastewater treatment?. <i>Science of the Total Environment</i> , 2021 , 752, 141957	10.2	30
205	Enhanced methane production from waste activated sludge by combining calcium peroxide with ultrasonic: Performance, mechanism, and implication. <i>Bioresource Technology</i> , 2019 , 279, 108-116	11	29
204	A comparison of membrane fouling under constant and variable organic loadings in submerge membrane bioreactors. <i>Water Research</i> , 2010 , 44, 5407-13	12.5	29
203	Energy uncoupling inhibits aerobic granulation. <i>Applied Microbiology and Biotechnology</i> , 2010 , 85, 589-95	7	29
202	Characterization of bacterial communities in wetland mesocosms receiving pharmaceutical-enriched wastewater. <i>Ecological Engineering</i> , 2016 , 90, 215-224	3.9	28
201	Estimating Minimum Fixed Biomass Concentration and Active Thickness of Nitrifying Biofilm. <i>Journal of Environmental Engineering, ASCE</i> , 1997 , 123, 198-202	2	28
200	A generalized model for settling velocity of aerobic granular sludge. <i>Biotechnology Progress</i> , 2005 , 21, 621-6	2.8	28
199	Glucoamylase production from food waste by solid state fermentation and its evaluation in the hydrolysis of domestic food waste. <i>Biofuel Research Journal</i> , 98-105	13.9	28
198	A novel micro-ferrous dosing strategy for enhancing biological phosphorus removal from municipal wastewater. <i>Science of the Total Environment</i> , 2020 , 704, 135453	10.2	28
197	Enhanced performance of submerged hollow fibre microfiltration by fluidized granular activated carbon. <i>Journal of Membrane Science</i> , 2016 , 499, 47-55	9.6	27
196	Effect of the S ₀ / X ₀ ratio on energy uncoupling in substrate-sufficient batch culture of activated sludge. <i>Water Research</i> , 1998 , 32, 2883-2888	12.5	27
195	Uncertainty of preset-order kinetic equations in description of biosorption data. <i>Bioresource Technology</i> , 2008 , 99, 3309-12	11	27

194	Transparent exopolymer particles (TEP) and their potential effect on membrane biofouling. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 5705-10	5.7	26
193	Degradation of paracetamol by <i>Pseudomonas aeruginosa</i> strain HJ1012. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013 , 48, 791-9	2.3	26
192	Respirometric activities of heterotrophic and nitrifying populations in aerobic granules developed at different substrate N/COD ratios. <i>Current Microbiology</i> , 2004 , 49, 42-6	2.4	26
191	Making waves: Improving removal performance of conventional wastewater treatment plants on endocrine disrupting compounds (EDCs): their conjugates matter. <i>Water Research</i> , 2021 , 188, 116469	12.5	26
190	State of the art of straw treatment technology: Challenges and solutions forward. <i>Bioresource Technology</i> , 2020 , 313, 123656	11	25
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