

# Balasubramanian Sellamuthu

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,274  
citations

567144

15  
h-index

610775

24  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1916  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on fate and mechanism of removal of pharmaceutical pollutants from wastewater using biological approach. <i>Bioresource Technology</i> , 2017, 224, 1-12.	4.8	513
2	Extracellular polymeric substances (EPS) producing bacterial strains of municipal wastewater sludge: Isolation, molecular identification, EPS characterization and performance for sludge settling and dewatering. <i>Water Research</i> , 2010, 44, 2253-2266.	5.3	293
3	The bacterial community structure of submerged membrane bioreactor treating synthetic hospital wastewater. <i>Bioresource Technology</i> , 2019, 286, 121362.	4.8	45
4	Emerging Contaminants of Environmental Concern: Source, Transport, Fate, and Treatment. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2010, 14, 2-20.	0.4	41
5	Analysis of bacterial, fungal and archaeal populations from a municipal wastewater treatment plant developing an innovative aerobic granular sludge process. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 14.	1.7	36
6	Salts retention by nanofiltration membranes: Physicochemical and hydrodynamic approaches and modeling. <i>Desalination</i> , 2011, 277, 106-112.	4.0	35
7	Aerobic sludge granulation in a Reverse Flow Baffled Reactor (RFBR) operated in continuous-flow mode for wastewater treatment. <i>Separation and Purification Technology</i> , 2015, 149, 437-444.	3.9	34
8	Treatment of recalcitrant organic silicone wastewater by fluidized-bed Fenton process. <i>Separation and Purification Technology</i> , 2014, 132, 16-22.	3.9	29
9	Roles of bacterial and epistylis populations in aerobic granular SBRs treating domestic and synthetic wastewaters. <i>Chemical Engineering Journal</i> , 2018, 351, 952-958.	6.6	29
10	Role of adding dried sludge micropowder in aerobic granular sludge reactor with extended filamentous bacteria. <i>Bioresource Technology Reports</i> , 2019, 5, 51-58.	1.5	26
11	Isolation, Characterization, and Identification of Bacteria from Activated Sludge and Soluble Microbial Products in Wastewater Treatment Systems. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2007, 11, 240-258.	0.4	19
12	Acclimatization of microbial community of submerged membrane bioreactor treating hospital wastewater. <i>Bioresource Technology</i> , 2021, 319, 124223.	4.8	19
13	Isolation and molecular identification of extracellular polymeric substances (EPS) producing bacterial strains for sludge settling and dewatering. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2008, 43, 1495-1503.	0.9	17
14	Pilot-scale biopesticide production by <i>Bacillus thuringiensis</i> subsp. <i>kurstaki</i> using starch industry wastewater as raw material. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2017, 52, 623-630.	0.7	17
15	Bioplastics from Waste Activated Sludge-Batch Process. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2008, 12, 239-248.	0.4	15
16	Improving aerobic sludge granulation in sequential batch reactor by natural drying: Effluent sludge recovery and feeding back into reactor. <i>Chemosphere</i> , 2020, 242, 125159.	4.2	15
17	Molecular screening of <i>Bacillus thuringiensis</i> strains from wastewater sludge for biopesticide production. <i>Process Biochemistry</i> , 2006, 41, 829-835.	1.8	14
18	Constructed wetlands for the removal of organic micro-pollutants. , 2020, , 87-140.		14

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19	Label-free cocaine aptasensor based on a long-period fiber grating. Optics Letters, 2019, 44, 2482.	1.7	14
20	Bioinspired Carbohydrate-Decorated Long-Period Fiber Grating for Label-Free Bacteria Detection. IEEE Sensors Journal, 2019, 19, 11965-11971.	2.4	11
21	Municipal Wastewater Sludge Stabilization and Treatment Using Electrochemical Oxidation Technique. Journal of Environmental Engineering, ASCE, 2012, 138, 743-751.	0.7	9
22	Treatment of wastewater containing pharmaceuticals: biological treatment. , 2020, , 463-520.		8
23	Polymer production by bacterial strains isolated from activated sludge treating municipal wastewater. Water Science and Technology, 2008, 57, 533-539.	1.2	7
24	Compositional Microbial-Community Shift of Submerged Membrane Bioreactor Treating Hospital Wastewater at Varying Temperatures. Journal of Environmental Engineering, ASCE, 2021, 147, .	0.7	7
25	Virulent gene based DNA probe for the detection of pathogenic Bacillus cereus strains found in food. Process Biochemistry, 2006, 41, 783-788.	1.8	2
26	Future impacts and trends in treatment of hospital wastewater. , 2020, , 599-615.		2
27	Sustainable production of bioadsorbents from municipal and industrial wastes in a circular bioeconomy context. , 2021, , 639-668.		2
28	Dynamics of bacterial community at varying sludge retention time within membrane bioreactor treating synthetic hospital wastewater. Systems Microbiology and Biomanufacturing, 2021, 1, 471-482.	1.5	1
29	Molecular Biology Techniques for CoEEC Degrading Organisms. , 2009, , 446-480.		0
30	Biobutanol Production from Agri-Residues. , 2010, , 457-477.		0
31	Pharmaceuticals roles in microbial evolution. , 2020, , 241-278.		0
32	Phytoprocesses. , 2007, , 161-188.		0
33	Localized release of extracellular ATP by ultrasound and microbubbles for enhancing cancer immunotherapy. , 2020, , .		0