

Kibeak Lee

List of Publications by Year in descending order

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32
papers

1,421
citations

516215

16
h-index

433756

31
g-index

32
all docs

32
docs citations

32
times ranked

1489
citing authors

#	ARTICLE	IF	CITATIONS
1	Live membrane filters with immobilized quorum quenching bacterial strains for anti-biofouling. <i>Journal of Membrane Science</i> , 2022, 641, 119895.	4.1	14
2	Photolytic quorum quenching effects on the microbial communities and functional gene expressions in membrane bioreactors. <i>Science of the Total Environment</i> , 2022, 819, 152017.	3.9	3
3	Layered Antibiofouling Composite Membrane for Quenching Bacterial Signaling. <i>Membranes</i> , 2022, 12, 296.	1.4	5
4	Innovative Biofouling Control for Membrane Bioreactors in Cold Regions by Inducing Environmental Adaptation in Quorum-Quenching Bacteria. <i>Environmental Science & Technology</i> , 2022, 56, 4396-4403.	4.6	15
5	Quorum quenching bacteria isolated from industrial wastewater sludge to control membrane biofouling. <i>Bioresource Technology</i> , 2022, 352, 127077.	4.8	16
6	Porous shell quorum quenching balls for enhanced anti-biofouling efficacy and media durability in membrane bioreactors. <i>Chemical Engineering Journal</i> , 2021, 406, 126869.	6.6	21
7	Quorum quenching, biological characteristics, and microbial community dynamics as key factors for combating fouling of membrane bioreactors. <i>Npj Clean Water</i> , 2021, 4, .	3.1	17
8	A Facile HPLC-UV-Based Method for Determining the Concentration of the Bacterial Universal Signal Autoinducer-2 in Environmental Samples. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9116.	1.3	1
9	Impact of Encapsulated Quorum-Quenching Bacterial Dose and Feed Type on Biofouling Control in Membrane Bioreactors. <i>Journal of Environmental Engineering, ASCE</i> , 2020, 146, .	0.7	14
10	Roles of soluble microbial products and extracellular polymeric substances in membrane fouling. , 2020, , 45-79.		4
11	Preparation of a mesoporous silica quorum quenching medium for wastewater treatment using a membrane bioreactor. <i>Biofouling</i> , 2020, 36, 369-377.	0.8	9
12	Effect of Permeate Flux and Backwashing on Quorum Sensing and Quenching within Biocake Layer in Membrane Bioreactor. <i>Journal of Environmental Engineering, ASCE</i> , 2020, 146, .	0.7	1
13	Highly robust and efficient Ti-based Sb-SnO ₂ anode with a mixed carbon and nitrogen interlayer for electrochemical 1,4-dioxane removal from water. <i>Chemical Engineering Journal</i> , 2020, 393, 124794.	6.6	43
14	Impact of Seasonality on Quorum Quenching Efficacy and Stability for Biofouling Control in Membrane Bioreactors. <i>Advances in Science, Technology and Innovation</i> , 2020, , 179-181.	0.2	1
15	Photolytic quorum quenching: A new anti-biofouling strategy for membrane bioreactors. <i>Chemical Engineering Journal</i> , 2019, 378, 122235.	6.6	31
16	In situ versus pre-quorum quenching of microbial signaling for enhanced biofouling control in membrane bioreactors. <i>Journal of Membrane Science</i> , 2019, 592, 117387.	4.1	10
17	Clues to membrane fouling hidden within the microbial communities of membrane bioreactors. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1389-1399.	1.2	20
18	Quorum sensing: an emerging link between temperature and membrane biofouling in membrane bioreactors. <i>Biofouling</i> , 2019, 35, 443-453.	0.8	9

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19	Core-shell structured quorum quenching beads for more sustainable anti-biofouling in membrane bioreactors. <i>Water Research</i> , 2019, 150, 321-329.	5.3	48
20	Stopping Autoinducer-2 Chatter by Means of an Indigenous Bacterium (<i>Acinetobacter</i> sp. DKY-1): A New Antibiofouling Strategy in a Membrane Bioreactor for Wastewater Treatment. <i>Environmental Science & Technology</i> , 2018, 52, 6237-6245.	4.6	37
21	Membrane biofouling behaviors at cold temperatures in pilot-scale hollow fiber membrane bioreactors with quorum quenching. <i>Biofouling</i> , 2018, 34, 912-924.	0.8	18
22	Quorum sensing and quenching in membrane bioreactors: Opportunities and challenges for biofouling control. <i>Bioresource Technology</i> , 2018, 270, 656-668.	4.8	95
23	Effective quorum quenching bacteria dose for anti-fouling strategy in membrane bioreactors utilizing fixed-sheet media. <i>Journal of Membrane Science</i> , 2018, 562, 18-25.	4.1	52
24	Application of quorum quenching bacteria entrapping sheets to enhance biofouling control in a membrane bioreactor with a hollow fiber module. <i>Journal of Membrane Science</i> , 2017, 526, 264-271.	4.1	64
25	Mitigation of Membrane Biofouling in MBR Using a Cellulolytic Bacterium, <i>Undibacterium</i> sp. DM-1, Isolated from Activated Sludge. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 573-583.	0.9	7
26	Enhancing the Physical Properties and Lifespan of Bacterial Quorum Quenching Media through Combination of Ionic Cross-Linking and Dehydration. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 552-560.	0.9	11
27	Fungal Quorum Quenching: A Paradigm Shift for Energy Savings in Membrane Bioreactor (MBR) for Wastewater Treatment. <i>Environmental Science & Technology</i> , 2016, 50, 10914-10922.	4.6	59
28	More Efficient Media Design for Enhanced Biofouling Control in a Membrane Bioreactor: Quorum Quenching Bacteria Entrapping Hollow Cylinder. <i>Environmental Science & Technology</i> , 2016, 50, 8596-8604.	4.6	64
29	Crossing the Border between Laboratory and Field: Bacterial Quorum Quenching for Anti-Biofouling Strategy in an MBR. <i>Environmental Science & Technology</i> , 2016, 50, 1788-1795.	4.6	134
30	Effect of the Shape and Size of Quorum-Quenching Media on Biofouling Control in Membrane Bioreactors for Wastewater Treatment. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 1746-1754.	0.9	24
31	Graphene oxide nanoplatelets composite membrane with hydrophilic and antifouling properties for wastewater treatment. <i>Journal of Membrane Science</i> , 2013, 448, 223-230.	4.1	522
32	Microbial population dynamics and proteomics in membrane bioreactors with enzymatic quorum quenching. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 4665-4675.	1.7	52