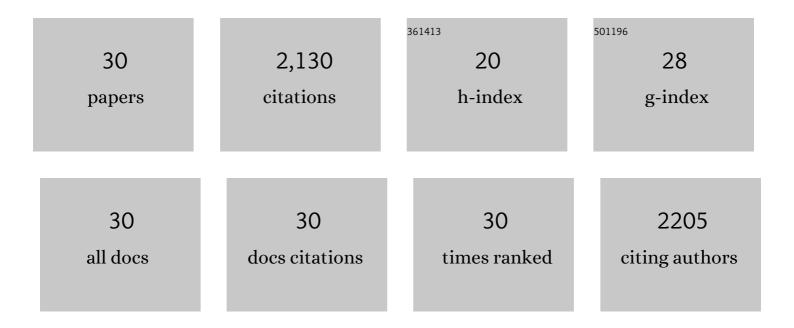
Wenxiang Zhang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Biomimetic dynamic membrane for aquatic dye removal. Water Research, 2019, 151, 243-251.	11.3	295
2	A review on agro-industrial waste (AIW) derived adsorbents for water and wastewater treatment. Journal of Environmental Management, 2018, 227, 395-405.	7.8	292
3	Membrane fouling in aerobic granular sludge (AGS)-membrane bioreactor (MBR): Effect of AGS size. Water Research, 2019, 157, 445-453.	11.3	227
4	Membrane fouling in photocatalytic membrane reactors (PMRs) for water and wastewater treatment: A critical review. Chemical Engineering Journal, 2016, 302, 446-458.	12.7	225
5	Aerobic granular sludge (AGS) scouring to mitigate membrane fouling: Performance, hydrodynamic mechanism and contribution quantification model. Water Research, 2021, 188, 116518.	11.3	169
6	Laccase immobilization for water purification: A comprehensive review. Chemical Engineering Journal, 2021, 403, 126272.	12.7	168
7	The role of transparent exopolymer particles (TEP) in membrane fouling: A critical review. Water Research, 2020, 181, 115930.	11.3	128
8	Membrane fouling mechanism of biofilm-membrane bioreactor (BF-MBR): Pore blocking model and membrane cleaning. Bioresource Technology, 2018, 250, 398-405.	9.6	82
9	Laccase-Carbon nanotube nanocomposites for enhancing dyes removal. Journal of Cleaner Production, 2020, 242, 118425.	9.3	65
10	Leaf protein concentration of alfalfa juice by membrane technology. Journal of Membrane Science, 2015, 489, 183-193.	8.2	56
11	Gravity-driven biomimetic membrane (GDBM): An ecological water treatment technology for water purification in the open natural water system. Chemical Engineering Journal, 2020, 399, 125650.	12.7	48
12	CO2 capture from coalbed methane using membranes: a review. Environmental Chemistry Letters, 2020, 18, 79-96.	16.2	46
13	Life cycle assessment of combustion-based electricity generation technologies integrated with carbon capture and storage: A review. Environmental Research, 2022, 207, 112219.	7.5	45
14	Insight into the microbial community and its succession of a coupling anaerobic-aerobic biofilm on semi-suspended bio-carriers. Bioresource Technology, 2018, 247, 591-598.	9.6	41
15	Determination of the profile of DO and its mass transferring coefficient in a biofilm reactor packed with semi-suspended bio-carriers. Bioresource Technology, 2017, 241, 54-62.	9.6	40
16	Threshold flux and limiting flux for micellar enhanced ultrafiltration as affected by feed water: experimental and modeling studies. Journal of Cleaner Production, 2016, 112, 1241-1251.	9.3	30
17	Boron-doped diamond (BDD) electro-oxidation coupled with nanofiltration for secondary wastewater treatment: Antibiotics degradation and biofouling. Environment International, 2021, 146, 106291.	10.0	29
18	A short review on the research progress in alfalfa leaf protein separation technology. Journal of Chemical Technology and Biotechnology, 2017, 92, 2894-2900.	3.2	26

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#	Article	IF	CITATIONS
19	Research Progress in Biofilm-Membrane Bioreactor: A Critical Review. Industrial & Engineering Chemistry Research, 2017, 56, 6900-6909.	3.7	24
20	Biomimetic dynamic membrane (BDM): Fabrication method and roles of carriers and laccase. Chemosphere, 2020, 240, 124882.	8.2	20
21	Enzyme-enhanced adsorption of laccase immobilized graphene oxide for micro-pollutant removal. Separation and Purification Technology, 2022, 294, 121178.	7.9	19
22	Concentration of Milk Proteins for Producing Cheese Using a Shear-Enhanced Ultrafiltration Technique. Industrial & Engineering Chemistry Research, 2016, 55, 11130-11138.	3.7	15
23	Optimization of RDM-UF for alfalfa wastewater treatment using RSM. Environmental Science and Pollution Research, 2018, 25, 1439-1447.	5.3	12
24	Activated carbon-gravity driven biomimetic membrane (AC-GDBM) for organic micro-polluted water treatment. Journal of Cleaner Production, 2021, 317, 128224.	9.3	8
25	Bioinspired proteolytic membrane (BPM) with bilayer pepsin structure for protein hydrolysis. Separation and Purification Technology, 2021, 259, 118214.	7.9	7
26	Insights into the role of concentration polarization on the membrane fouling and cleaning during the aerobic granular sludge filtration process. Science of the Total Environment, 2022, 813, 151871.	8.0	7
27	Stepwise membrane fouling model for shear-enhanced filtration of alfalfa juice: experimental and modeling studies. RSC Advances, 2016, 6, 110789-110798.	3.6	3
28	Treatment of soy sauce wastewater with biomimetic dynamic membrane for colority removal and chemical oxygen demand lowering. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20210425.	0.8	2
29	Gas, Water and Solid Waste Treatment Technology. Processes, 2021, 9, 1397.	2.8	1
30	Cover Image, Volume 92, Issue 12. Journal of Chemical Technology and Biotechnology, 2017, 92, i-i.	3.2	0