

# Kai Sun

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

513  
citations

687363

13  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

521  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cadmium-induced oxidative stress, histopathology, and transcriptome changes in the hepatopancreas of freshwater crayfish ( <i>Procambarus clarkii</i> ). <i>Science of the Total Environment</i> , 2019, 666, 944-955.	8.0	87
2	Effects of cadmium on intestinal histology and microbiota in freshwater crayfish ( <i>Procambarus</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70</i>	8.2	76
3	Microcystin-LR-induced changes of hepatopancreatic transcriptome, intestinal microbiota, and histopathology of freshwater crayfish ( <i>Procambarus clarkii</i> ). <i>Science of the Total Environment</i> , 2020, 711, 134549.	8.0	50
4	The effect and biological mechanism of COD/TN ratio on nitrogen removal in a novel upflow microaerobic sludge reactor treating manure-free piggery wastewater. <i>Bioresource Technology</i> , 2016, 209, 360-368.	9.6	34
5	A neutral red mediated electro-fermentation system of <i>Clostridium beijerinckii</i> for effective co-production of butanol and hydrogen. <i>Bioresource Technology</i> , 2021, 332, 125097.	9.6	34
6	SierpinÅ'ski fractal plasmonic nanoantennas. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011, 5, 175-177.	2.4	31
7	Effescts of acute diclofenac exposure on intestinal histology, antioxidant defense, and microbiota in freshwater crayfish ( <i>Procambarus clarkii</i> ). <i>Chemosphere</i> , 2021, 263, 128130.	8.2	29
8	Efficiency and bacterial populations related to pollutant removal in an upflow microaerobic sludge reactor treating manure-free piggery wastewater with low COD/TN ratio. <i>Bioresource Technology</i> , 2016, 201, 166-173.	9.6	28
9	Programmed Death of Injured <i>Pseudomonas aeruginosa</i> on Mechano-Bactericidal Surfaces. <i>Nano Letters</i> , 2022, 22, 1129-1137.	9.1	23
10	Effect of seed sludge on nitrogen removal in a novel upflow microaerobic sludge reactor for treating piggery wastewater. <i>Bioresource Technology</i> , 2016, 216, 19-27.	9.6	20
11	Microfluidic System for Observation of Bacterial Culture and Effects on Biofilm Formation at Microscale. <i>Micromachines</i> , 2019, 10, 606.	2.9	18
12	Optimization of a cathodic electro-fermentation process for enhancing co-production of butanol and hydrogen via acetone-butanol-ethanol fermentation of <i>Clostridium beijerinckii</i> . <i>Energy Conversion and Management</i> , 2022, 251, 114987.	9.2	17
13	Detection of N-Acyl-homoserine Lactones Signal Molecules of Quorum Sensing Secreted by Denitrification Flora in Microaerobic Nitrogen Removal Processes by Ultra-performance Liquid Chromatography Tandem Mass Spectrometry. <i>Chinese Journal of Analytical Chemistry</i> , 2016, 44, 1165-1170.	1.7	13
14	Understanding of signaling molecule controlled anammox through regulating C/N ratio. <i>Bioresource Technology</i> , 2020, 315, 123863.	9.6	13
15	Electrophoretic chip for high-fidelity fractionation of double-stranded DNA. <i>Electrophoresis</i> , 2007, 28, 1572-1578.	2.4	12
16	Highâ€fidelity fractionation of ssDNA fragments differing in size by oneâ€base on a spiralâ€channel electrophoretic chip. <i>Electrophoresis</i> , 2009, 30, 4277-4284.	2.4	9
17	On-chip fraction collection for multiple selected ssDNA fragments using isolated extraction channels. <i>Journal of Chromatography A</i> , 2011, 1218, 997-1003.	3.7	6
18	Bacterial Concentration Detection using a PCB-based Contactless Conductivity Sensor. <i>Micromachines</i> , 2019, 10, 55.	2.9	6

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19	A simultaneous space sampling method for DNA fraction collection using a comb structure in microfluidic devices. <i>Electrophoresis</i> , 2011, 32, 3392-3398.	2.4	3
20	Advances in Microfluidic Biosensors Based on Luminescent Bacteria. <i>Chinese Journal of Analytical Chemistry</i> , 2019, 47, 181-189.	1.7	2
21	Spatiotemporal fractionation of two DNA fragments by microfluidic devices. <i>Microfluidics and Nanofluidics</i> , 2015, 19, 291-298.	2.2	1
22	Advance in Microfluidic Devices for Fractionation of DNA Fragments. <i>Chinese Journal of Analytical Chemistry</i> , 2016, 44, 569-578.	1.7	1