Chen Qian

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5002730/publications.pdf

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36	1,544	394421 19	345221 36
papers	citations	h-index	g-index

36	36	36	1722
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Induced structural changes of humic acid by exposure of polystyrene microplastics: A spectroscopic insight. Environmental Pollution, 2018, 233, 1-7.	7.5	211
2	Two-Dimensional Correlation Spectroscopic Analysis on the Interaction between Humic Acids and TiO₂ Nanoparticles. Environmental Science & Technology, 2014, 48, 11119-11126.	10.0	166
3	Characterizing Properties and Environmental Behaviors of Dissolved Organic Matter Using Two-Dimensional Correlation Spectroscopic Analysis. Environmental Science & Technology, 2019, 53, 4683-4694.	10.0	151
4	Responses of biofilm microorganisms from moving bed biofilm reactor to antibiotics exposure: Protective role of extracellular polymeric substances. Bioresource Technology, 2018, 254, 268-277.	9.6	113
5	Molecular Spectroscopic Characterization of Membrane Fouling: A Critical Review. CheM, 2018, 4, 1492-1509.	11.7	83
6	Formation mechanism of organo-chromium (III) complexes from bioreduction of chromium (VI) by Aeromonas hydrophila. Environment International, 2019, 129, 86-94.	10.0	81
7	Interaction between humic acid and protein in membrane fouling process: A spectroscopic insight. Water Research, 2018, 145, 146-152.	11.3	74
8	Ultrasensitive Fluorescence Detection of Peroxymonosulfate Based on a Sulfate Radical-Mediated Aromatic Hydroxylation. Analytical Chemistry, 2018, 90, 14439-14446.	6.5	50
9	Enhanced dewatering of excess activated sludge through decomposing its extracellular polymeric substances by a Fe@Fe2O3-based composite conditioner. Bioresource Technology, 2016, 218, 526-532.	9.6	47
10	Fluorescence Approach for the Determination of Fluorescent Dissolved Organic Matter. Analytical Chemistry, 2017, 89, 4264-4271.	6.5	45
11	Response of extracellular polymeric substances to thermal treatment in sludge dewatering process. Environmental Pollution, 2017, 231, 1388-1392.	7.5	45
12	Determination of Chlorinated Hydrocarbons in Water Using Highly Sensitive Mid-Infrared Sensor Technology. Scientific Reports, 2013, 3, 2525.	3.3	42
13	Optimizing sludge dewatering with a combined conditioner of Fenton's reagent and cationic surfactant. Journal of Environmental Sciences, 2020, 88, 21-30.	6.1	41
14	Interaction between Dissolved Organic Matter and Long-Chain Ionic Liquids: A Microstructural and Spectroscopic Correlation Study. Environmental Science & Technology, 2017, 51, 4812-4820.	10.0	40
15	Evolution of Membrane Fouling Revealed by Label-Free Vibrational Spectroscopic Imaging. Environmental Science & Technology, 2017, 51, 9580-9587.	10.0	36
16	Quantification of Humic Substances in Natural Water Using Nitrogen-Doped Carbon Dots. Environmental Science & Technology, 2017, 51, 14092-14099.	10.0	35
17	Redox reaction characteristics of riboflavin: A fluorescence spectroelectrochemical analysis and density functional theory calculation. Bioelectrochemistry, 2014, 98, 103-108.	4.6	34
18	Identification of Nanoparticles via Plasmonic Scattering Interferometry. Angewandte Chemie - International Edition, 2019, 58, 4217-4220.	13.8	34

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19	An UVâ€“vis spectroelectrochemical approach for rapid detection of phenazines and exploration of their redox characteristics. Biosensors and Bioelectronics, 2015, 64, 25-29.	10.1	29
20	Diagnosis of the unexpected fluorescent contaminants in quantifying dissolved organic matter using excitation-emission matrix fluorescence spectroscopy. Water Research, 2019, 163, 114873.	11.3	19
21	Improved PVDF membrane performance by doping extracellular polymeric substances of activated sludge. Water Research, 2017, 113, 89-96.	11.3	18
22	Potential regulates metabolism and extracellular respiration of electroactive Geobacter biofilm. Biotechnology and Bioengineering, 2019, 116, 961-971.	3.3	17
23	Acid-stimulated bioassembly of high-performance quantum dots in Escherichia coli. Journal of Materials Chemistry A, 2019, 7, 18480-18487.	10.3	16
24	Formation of iodo-trihalomethanes (I-THMs) during disinfection with chlorine or chloramine: Impact of UV/H2O2 pre-oxidation. Science of the Total Environment, 2018, 640-641, 764-771.	8.0	14
25	Direct Three-Dimensional Characterization and Multiscale Visualization of Wheat Straw Deconstruction by White Rot Fungus. Environmental Science & Technology, 2014, 48, 9819-9825.	10.0	13
26	In-situ quantitative monitoring the organic contaminants uptake onto suspended microplastics in aquatic environments. Water Research, 2022, 215, 118235.	11.3	12
27	Why Should Tryptones Rather Than Bovine Serum Albumin Be Used as Model Proteins to Explore the Interactions between Proteins and Pollutants in Environments?. Environmental Science and Technology Letters, 2021, 8, 1038-1044.	8.7	11
28	A chemometric analysis on the fluorescent dissolved organic matter in a full-scale sequencing batch reactor for municipal wastewater treatment. Frontiers of Environmental Science and Engineering, 2017, 11, 1.	6.0	10
29	Tracking Interfacial Dynamics of a Single Nanoparticle Using Plasmonic Scattering Interferometry. Analytical Chemistry, 2020, 92, 13327-13335.	6.5	9
30	Real-Time Plasmonic Imaging of the Compositional Evolution of Single Nanoparticles in Electrochemical Reactions. Nano Letters, 2022, 22, 4383-4391.	9.1	9
31	Ultrafine and Well-Dispersed Nickel Nanoparticles with Hierarchical Structure for Catalytically Breaking a Boronâ€“Hydrogen Bond. ACS Applied Nano Materials, 2018, 1, 6800-6807.	5.0	8
32	Identification of Nanoparticles via Plasmonic Scattering Interferometry. Angewandte Chemie, 2019, 131, 4261-4264.	2.0	8
33	Determining the Aggregation Kinetics of Nanoparticles by Single Nanoparticle Counting. ACS ES&T Water, 2021, 1, 672-679.	4.6	7
34	Effects of Functionalized Electrodes and Gold Nanoparticle Carrier Signal Amplification on an Electrochemical DNA Sensing Strategy. ChemElectroChem, 2016, 3, 1868-1874.	3.4	6
35	Probing the Deposition Kinetics of Nanoparticles by Plasmonic Imaging and Counting Single Nanoparticles. Environmental Science and Technology Letters, 2020, 7, 298-302.	8.7	6
36	Determination of Saccharides in Environments Using a Sulfuric Acid-Fluorescence Approach. Environmental Science & Technology, 2020, 54, 6632-6638.	10.0	4