

Fengjun Yin

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

462
citations

687363

13
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

568
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing the removal routes of seven pharmaceuticals in the activated sludge process. <i>Science of the Total Environment</i> , 2019, 650, 2437-2445.	8.0	81
2	Mathematical modeling of autotrophic denitrification (AD) process with sulphide as electron donor. <i>Water Research</i> , 2016, 91, 225-234.	11.3	57
3	Supercritical water oxidation of oil-based drill cuttings. <i>Journal of Hazardous Materials</i> , 2017, 332, 205-213.	12.4	52
4	A new system design for supercritical water oxidation. <i>Chemical Engineering Journal</i> , 2015, 269, 343-351.	12.7	43
5	A detailed kinetic model for the hydrothermal decomposition process of sewage sludge. <i>Bioresource Technology</i> , 2015, 198, 351-357.	9.6	42
6	Assessing the electron transfer and oxygen mass transfer of the oxygen reduction reaction using a new electrode kinetic equation. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 16159-16166.	2.8	29
7	Semi-continuous pressurized hot water extraction of black tea. <i>Journal of Food Engineering</i> , 2018, 227, 30-41.	5.2	23
8	Rapid detection of biodegradable organic matter in polluted water with microbial fuel cell sensor: Method of partial coulombic yield. <i>Bioelectrochemistry</i> , 2020, 133, 107488.	4.6	22
9	The pH diagram of interfacial reactions involving H^+ and OH^- . <i>Journal of Energy Chemistry</i> , 2020, 50, 339-343.	12.9	21
10	A force-based mechanistic model for describing activated sludge settling process. <i>Water Research</i> , 2017, 127, 118-126.	11.3	19
11	Green process for supercritical water oxidation of sewage sludge with red mud as CO_2 absorbent. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3065-3074.	6.7	18
12	Enhancing sensitivity of microbial fuel cell sensors for low concentration biodegradable organic matter detection: Regulation of substrate concentration, anode area and external resistance. <i>Journal of Environmental Sciences</i> , 2021, 101, 227-235.	6.1	17
13	Validation of H_2O_2 -mediated pathway model for elucidating oxygen reduction mechanism: Experimental evidences and theoretical simulations. <i>Electrochimica Acta</i> , 2019, 313, 378-388.	5.2	13
14	Application of red mud as both neutralizer and catalyst in supercritical water oxidation (SCWO) disposal of sewage sludge. <i>RSC Advances</i> , 2016, 6, 54202-54214.	3.6	11
15	Unveiling the role of gas permeability in air cathodes and performance enhancement by waterproof membrane fabricating method. <i>Journal of Power Sources</i> , 2020, 449, 227570.	7.8	7
16	Derivative-Extremum Analysis Principle for Irreversible Electrode Reactions: Feature Parameter Extractions from Polarization Curves. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1950-1957.	3.1	5
17	Acid-base transport model depicting the dynamic pH response of interfacial reactions. <i>AIChE Journal</i> , 2022, 68, .	3.6	2
18	Derivative-extremum analysis of current-potential curves showing electrochemical kinetics in the full reversibility range. <i>Chinese Chemical Letters</i> , 2023, 34, 107185.	9.0	0