

Fengjun Yin

List of Publications by Year in descending order

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18
papers

462
citations

687363

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all docs

18
docs citations

18
times ranked

568
citing authors

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