

课程组部分教师自 2015 年以来的论文统计 (仅统计第一、第二作者)

序号	论文信息
1	Hanyong Li, Jiaqing Chen, Jiaqing Wang, Jing Gong, Bo Yu. An improved design method for compact vertical separator combined with the theoretical method and numerical simulation[J]. Journal of Petroleum Science and Engineering, 2019, 173(2): 758-769.
2	姬宜朋, 陈家庆, 方相九, 李京瑞, 刘美丽. 气泡强化柱状水力旋流器结构优研究[J]. 油气田地面工程, 2018, 37(8): 17-23.
3	Zhou Cuihong, Wang Shihan, Yang Changshun, Xu Ling; Study on Particle-Size Control of Hydrocyclone for Slurry Recycles; ICESD 2018; 2018-06-04.
4	Zhou Cuihong, Liu Chenqing, Liang Jiahao, Wang Shihan. Numerical simulation of pollutant transport in soils surrounding subway infrastructure; Environment Scicence and Pollution Reasearch, 2018, 25: 6859-6869.
5	Zhou Cuihong, Huang Xintong, Zeng Meng. Experimental continuous sludge microwave system to enhance dehydration ability and hydrogen production from anaerobic digestion of sludge, 2018, 67: 145-153.
6	Huang Xintong, Zhou Cuihong, Suo Quanyu, Zhang Lanting, Wang Shihan. Experimental study on viscosity reduction for residual oil by ultrasonic. Ultrasonics Sonochemistry, 2018, 41: 661-669.
7	李晓雅,朱玲,王春雨,等. 响应曲面优化热强化 SVE 工艺修复烃类污染土壤[J].环境工程学报,2018,12(3):914-922.
8	朱玲,冯相昭,孔佳雯. 基于生命周期评价 LCA 的煤制油生产过程分析[J].洁净煤技术,2018,24(2):119-126.
9	肖楠,朱玲,陈家庆,等. 冷凝法埋地储罐清洗过程无组织排放油气的净化研究 [J]. 环境工程学报,2018,12(2):396-401.
10	蔡小垒, 陈家庆, 孔祥功, 刘美丽, 俞接成, 姬宜朋. 基于 BP 神经网络和 CFD 数值模拟的气旋浮罐结构优化及性能预测[J]. 过程工程学报, 2017, 17(5): 918-925.
11	陈家庆, 黄松涛, 王姬革, 习进路. 高频/高压脉冲交流电场破乳技术及其原油电脱盐应用研究[J]. 石油炼制与化工, 2017, 48(8): 12-18.
12	陈家庆, 黄松涛, 王姬革, 习进路. 高频/高压脉冲交流电场破乳技术及其原油电脱盐应用研究[J]. 石油炼制与化工, 2017, 48(8): 12-18.
13	蔡小垒, 陈家庆, 杨驰, 潘威丞, 牛任杰. 微孔介质发泡技术孔径对微气泡质量影响的实验研究[J]. 现代化工, 2017, 37(7): 159-162.
14	陈家庆, 黄松涛, 沈玮玮, 潘泽昊, 张龙, 张宝生. W/O 型原油乳化液高频电场破乳特性实验[J]. 油气储运, 2017, 36(6): 694-701.
15	桑义敏, 张丽岩, 陈家庆, 孔惠, 韩严和. 微砂强化结团絮凝处理模拟工业废水的试验研究[J]. 2017, 48(1): 10-14.
16	姬宜朋 陈家庆 蔡小垒. 撇油船用油水分离技术的研究进展[J]. 北京石油化工学院学报, 2017, 25(1): 51-56.
17	安杉, 陈家庆, 蔡小垒, 王强强, 孟迪, 邵天泽. T 型管内油水分离特性的 CFD-PBM 数值模拟[J]. 化工学报, 2017, 68(4): 1326-1334.
18	姬宜朋, 陈家庆, 蔡小垒, 尚超, 张明. 基于神经网络的涡发生器设计与试验研究[J]. 石油机械, 2017, 45(3): 75-84.
19	张龙, 陈家庆, 李玮健, 庄贵涛, 胡成勇, 习进路, 孟浩. 三相分离与电场破乳脱水一体化(VIEC)技术及其性能预测研究[J]. 石油规划设计, 2017, 28(2): 8-12, 16.
20	程玉雪, 陈家庆, 孟迪, 邵天泽, 姜勇. Marlim 油田水下卧式盘管多相分离系统及资质认证[J]. 石油矿场机械, 2017, 46(2): 1-7.
21	Xiaolei Cai, Jiaqing Chen, Meili Liu, Yipeng Ji, Guodong Ding, Long Zhang. CFD simulation of oil-water separation characteristics in a Compact Flotation Unit by Population Balance Modeling[J]. Journal of Dispersion Science and Technology, 2017, 38(10): 1435-1447.
22	Long Zhang, Jiaqing Chen, Xiaolei Cai, Songtao Huang, Yipeng Ji. Research on electrostatic coalescence of water-in-crude-oil emulsions under high frequency / high voltage AC electric field based on electro-rheological method[J]. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 520: 246-256.

23	Nannan Wang, Jiaqing Chen, Qiang Zhao, Han Xu. Study on preparation conditions of coal fly ash catalyst and catalytic mechanism in a heterogeneous Fenton-like process. RSC Advances, 2017, 7(83): 52524-52532.
24	Xiaolei Cai, Jiaqing Chen, Meili Liu, Yipeng Ji, Shan An. Numerical studies on dynamic characteristics of oil-water separation in loop flotation column using a population balance model[J]. Separation and Purification Technology, 2017, 176: 134-144.
25	刘美丽, 李莉莉, 陈家庆, 郝文超, 韩严和. 灯管布置方式对管式紫外消毒器性能的模拟研究[J]. 北京石油化工学院学报, 2016, 24(4): 31-35.
26	Ling Zhu, Xiaoya Li, Xiangzhao Feng, Xinyue Li, Xiuyan Xu. Synthesis and characterization of mesoporous graphite carbon, and adsorption performance for benzene[J]. Journal of Porous Materials, 2016, 23(4): 957-965.
27	Ling Zhu, Xiaoyang Zhang, Lingling Zhu, Xinyue Li, Lingshuo Meng. Synthesis and characterization of mesoporous alumina, and adsorption performance for n-butane[J]. Research on Chemical Intermediates, 2015, 41(6): 3637-3648.
28	Zhou Cuihong, Pan Yongtai, Lu Maxi, Yang Changshun. Liberation characteristics after cryogenic modification and air table separation of discarded printed circuit boards. Journal of Hazardous Materials, 2016, 311: 203-209.
29	石熠, 陈家庆, 孔祥功, 潘泽昊, 方相久. 加油站埋地油罐清洗用旋转喷头的结构设计[J]. 油气储运, 2016, 43(9): 994-999.
30	陈家庆, 蔡小垒, 王春升, 陈涛涛, 符博, 张明, 尚超, 姬宜朋. 管式微孔介质气泡发生器中气泡粒径分布的实验研究[J]. 应用基础与科学学报, 2016, 24(3): 490-498.
31	汤水清, 陈家庆, 刘美丽, 侯燕. ORVR 系统加油管液封性能模拟[J]. 汽车工程学报, 2016, 6(3): 187-195.
32	陈家庆, 蔡小垒, 谭德宽, 潘泽昊. 气旋浮高效除油技术及其在电脱盐切水预处理中的应用[J]. 石油炼制与化工, 2016, 47(5): 29-34.
33	方相九, 陈家庆, 刘美丽, 姬宜朋, 孔祥功. 气泡增强型水力旋流器的数值模拟研究[J]. 石油化工高等学校学报, 2016, 29(2): 82-88.
34	孔祥功, 陈家庆, 姬宜朋, 王春升, 张明, 尚超, 蔡小垒, 刘美丽. 大处理量紧凑型气浮装置的数值模拟[J]. 化工进展, 2016, 35(3): 733-740.
35	李青, 陈家庆, 王奎升. 不同破乳方法下作用时间对乳液破乳效果影响的试验研究[J]. 流体机械, 2016, 44(1): 1-5.
36	姬宜朋, 陈家庆, 蔡小磊, 李平, 王春升, 尚超, 张明. BIPTVAS-II 型轴向涡流分离器工程样机及其在流花 11-1 油田的现场试验[J]. 中国海上油气, 2016, 28(1):133-138.
37	石熠, 陈家庆, 汤水清, 孙瑞昊, 王强强. 机械清洗用旋转喷头的结构对比分析研究[J]. 石油机械, 2016, 44(1): 97-102.
38	Han Yanhe, Li Han, Liu Meili, Sang Yimin, Liang Cunzhen, Chen Jiaqing. Purification treatment of dyes wastewater with a novel micro-electrolysis reactor[J]. Separation and Purification Technology, 2016, 170(10): 241-247.
39	潘泽昊, 陈家庆, 张龙, 李峰, 王春升, 谢日彬, 李平. 流花油田老化油高频/高压脉冲交流电场破乳脱水研究[J]. 过程工程学报, 2015, 15(6): 969-975.
40	桑义敏, 陈家庆, 易国庆, 郭旭. 水包油型乳化液油滴的管内节流破碎行为与机理[J]. 过程工程学报, 2015, 15(6): 940-944.
41	Zhou Cuihong, Ling Ying, Zeng Meng, Li Xin-Yue. Influence of microwave and ultrasonic on sludge dewaterability by numerical simulation of horizontal spiral sedimentation centrifuge. Journal of Computers, 2015, 26(3): 1-10.
42	邵天泽, 方相九, 陈涛涛, 孟迪, 陈家庆. 串联组合型微气泡发生系统的在线测试评价研究[J]. 北京石油化工学院学报, 2015, 23(4): 19-22.
43	Yipeng Ji, Jiaqing Chen, Xiangdong Jiao, Xiaolei Cai, Pei Li. Theoretical modeling and numerical simulation of axial-vortex separation technology used for oily water treatment[J]. Separation Science and Technology, 2015, 50(12): 1870-1881.
44	Han Yanhe, Lu Chenghao, Cheng Qi, Liu Chengqing, Li Yihan, Chen Jiaqing. Preparation and performance of photocatalyst TiO ₂ -Pt/CuS. Gongneng Cailiao/Journal of Functional Materials, 2015,

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45	Yanhe Han, Qi Cheng, Jiaqing Chen, Cuihong Zhou, Haimin Zhang, Shanqing Zhang, Huijun Zhao. Extending the photoelectrocatalytic detection range of KHP by eliminating self-inhibition at TiO ₂ nanoparticle electrodes[J]. Journal of Electroanalytical Chemistry, 2015, 738(1): 209-216.
46	Li Qing, Chen Jiaqing, Liang Meng, Pan Zitong, Wang Kuisheng. Investigation of Water Separation from Water-in-Oil Emulsion Using High-Frequency Pulsed AC Electric Field by New Equipment[J]. Journal of Dispersion Science and Technology, 2015, 36(7): 918-923.