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教育经历

2009.09-2013.07, 中国海洋大学, 港口、航道与海岸工程, 工学学士

2014.09-2015.12, 韩国海洋大学, 造船海洋工程系, 学术交流

2013.09-2018.06, 中国海洋大学, 港口、海岸及近海工程, 工学博士

研究方向

海洋可再生能源开发与利用, 计算流体力学与数值仿真计算, 无人艇关键技术

科研项目

低能流密度输入下威尔斯式透平的机理研究及优化, 国家自然科学基金青年项目, 25万元, 在研, 主持

OWC波能装置新型威尔斯式透平数值模拟研究及优化, 青岛科技大学人才引进启动经费, 6万, 主持

发表论文情况 (JCR1区6篇, JCR2区2篇)

1. **Ying Cui**, Zhen Liu*, Xiaoxia Zhang, Chuanli Xu. Reply to: Discussion on “Review of CFD studies on axial-flow self-rectifying turbines for OWC wave energy conversion” by Cui, Y., Liu, Z., Zhang, X. and Xu, C. Ocean Engineering, 2020 197, 106872. (JCR 1区, 影响因子2.73, SCI)

2. **Ying Cui**, Zhen Liu*, Xiaoxia Zhang, et al. Review of CFD studies on axial-flow self-rectifying turbines for OWC wave energy conversion. Ocean Engineering, 2019, 175: 80-102. (JCR 1区, 影响因子2.73, SCI)

3. **Ying Cui**, Zhen Liu*, Xiaoxia Zhang, et al. Self-starting analysis of an OWC axial impulse turbine in constant flow: experimental and numerical studies. Applied Ocean Research, 2019, 82: 458-469. (JCR 1区, 影响因子2.44, SCI)

4. Junfeng Xin, Jiabao Zhong, Jinlu Sheng, Penghao Li, **Ying Cui***. Improved genetic algorithms based on data-driven operators for path planning of unmanned surface vehicle. International Journal of Robotics & Automation, 2019, 34(6): 206-0315. (JCR 4区, 影响因子0.754, SCI)

5. Junfeng Xin, Shixin Li, Jinlu Sheng, Yongbo Zhang*, **Ying Cui***. Application of improved particle swarm optimization for navigation of unmanned surface vehicles. Sensors, 2019, 19, 3096. (JCR3区, 影响因子3.031, SCI)

6. Junfeng Xin*, Jiabao Zhong, Shixin Li, Jinlu Sheng, **Ying Cui***. Greedy Mechanism Based Particle Swarm Optimization for Path Planning Problem of an Unmanned Surface Vehicle. Sensors, 2019, 19, 4620. (JCR3区, 影响因子

3.031, SCI)

7. Zhen Liu*,**Ying Cui**, et al. Experimental and numerical studies on an owc axial-flow impulse turbine in reciprocating air flows. Renewable and Sustainable Energy Reviews, 2019, 113, 109272, 1-15. (JCR1区,影响因子10.556, SCI)

8. Zhen Liu*,**Ying Cui**, Chuanli Xu, Hongda Shi. Transient simulation of OWC impulse turbine based on fully passiv flow-driving model. Renewable Energy, 2018, 117:459-473. (JCR 2区, 影响因子5.439, SCI)

9.**Ying Cui***, Beom-Soo Hyun, Kilwon Kim. Numerical study on air turbines with enhanced techniques for OWC wa energy conversion, China Ocean Engineering, 2017, 31(5): 517-527. (JCR 2区, 影响因子0.69, SCI)

10. Zhen Liu*,**Ying Cui**, Ming Li, Hongda Shi. Steady state performance of an axial impulse turbine for oscillating water column wave energy converters. Energy, 2017, 141: 1-10. (JCR1区,影响因子5.54, SCI)

11.**Ying Cui**, Beom-Soo Hyun*. Numerical study on Wells turbine with penetrating blade tip treatments for wave energy conversion. International Journal of Naval Architecture & Ocean Engineering, 2016, 8(5): 456-465. (JCR3区,影响因子1.47, SCI)

12. Zhen Liu*,**Ying Cui**, Kilwon Kim, et al. Numerical study on a modified impulse turbine for OWC wave energy conversion. Ocean Engineering, 2016, 111: 533-542. (JCR 1区, 影响因子2.73, SCI)

13.**Ying Cui**, Zhen Liu*, Beom-Soo Hyun. Pneumatic performance of staggered impulse turbine for OWC wave energy convertor. Journal of Thermal Science, 2015, 24(5): 403-409. (JCR 3区, 影响因子1.23, SCI)

14. Zhen Liu*,**Ying Cui**, Huanyu Zhao, et al. Effects of damping plate and taut line system on mooring stability of small wave energy converter. Mathematical Problems in Engineering, 2015, 2015:1-10. (JCR 4区, 影响因子1.18, SCI)

15.**Ying Cui**, Zhen Liu*. Effects of solidity ratio on performance of OWC impulse turbine. Advances in Mechanical Engineering, 2014, 7(1): 121373.

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