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庄师强

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庄师强博士，2004-2008就读于中国科学技术大学热科学和能源工程系，获得学士学位；2014-2017就读于美国新泽西理工大学机械工程系，获得博士学位，现为暨南大学电气工程学院副教授。其研究工作主要集中于可再生能源领域的相关研究，包括氢能利用技术、燃料电池技术、新能源储能应用技术、综合能源管理与控制等。目前已在能源领域包括《Carbon》在内的国际顶尖期刊发表论文十多篇。

Education 教育经历

Education 教育经历	学院概况	师资队伍	学术科研	人才培养	学生工作
博士 (http://dqgcy.jnu.edu.cn/2d/66/c12954a404838/page.htm)	Mechanical Engineering ring 机械工程	New Jersey Institute of Technology (美国新泽西理工学院)	招生章程 (http://zszy.jnu.edu.cn/)	就业指南 (http://jyzy.jnu.edu.cn/)	专升本 (http://xbsj.jnu.edu.cn/)
硕士 (http://rail.jnu.edu.cn/)	Mechanical Engineering ring 机械工程	New Jersey Institute of Technology (美国新泽西理工学院)	研究院 (http://kyjy.jnu.edu.cn/)	教师 (http://jshz/list.htm)	招生 (http://zszy/list.htm)
学士	热科学与能源工程	中国科学技术大学	院务 (http://fwzn/list.htm)	教师 (http://jshz/list.htm)	党建 (http://dj/list.htm)
					05/2013
					06/2008

已发表期刊论文:

- 1.S. Zhuang, H. Singh, B.B. Nunna, D. Mandal, J.A. Boscoboinik, E.S. Lee: Nitrogen-Doped Graphene-Based Catalyst with Metal-Reduced Organic Framework: Chemical Analysis and Structure Control, Carbon, 139, pp. 933-944, DOI:10.1016/j.carbon.2018.07. 068 (2018).
- 2.S. Zhuang, B.B. Nunna, E.S. Lee: MOF-Modified Nitrogen-Doped Graphene ORR Catalyst Synthesized by Nanoscale High Energy Wet Ball Milling-Structural and Electrochemical Characterization, MRS Communications, 8 (1), pp. 40-48, DOI: 10.1557/mrc.2017.130 (2017).
- 3.S. Zhuang, B.B. Nunna, D. Mandal, E.S. Lee: A Review of Nitrogen-Doped Graphene Catalysts for Proton Exchange Membrane Fuel Cells-Synthesis, Characterization, and Improvement, Nano-Structures & Nano-Objects, 15, pp. 140-152, DOI: 10.1016/j.nanoso. 2017.09.003 (2017).

4.S. Zhuang, B.B. Nunna, J.A. Boscoboinik, and E.S. Lee, Cover Image, International Journal of Energy Research, 41 (15), DOI: 10.1002/er.3948 (2017).
 (http://rail.jnu.edu.cn/kyjy/jwz/zhz/zhz.htm) (/s/zs/zhz.htm) (/jwz/zhz.htm) (/xwz/zhz.htm) (/kyjy/zhz.htm) (/gjh/zhz.htm) (/sz/zhz.htm) (/fwzn/zhz.htm) (/yz/zhz.htm) (/dj/zhz.htm)

5.S. Zhuang, B.B. Nunna, J.A. Boscoboinik, and E.S. Lee: Nitrogen-Doped Graphene and Particle Size Variation with Time and Speed, International Journal of Energy Research, 41 (15), pp. 2535-2554, DOI: 10.1002/er.3821 (2017).
 (http://rail.jnu.edu.cn/)

6.S. Zhuang, E.S. Lee, L. Lei, B.B. Nunna, L. Kuang and W. Zhang: Synthesis of Nitrogen-Doped Graphene Catalyst by High-Energy Wet Ball Milling for Electrochemical Systems, International Journal of Energy Research, 40 (15), pp. 2136-2149, DOI: 10.1002/er.3595l (2016).

7.S. Zhuang, L. Lei, B.B. Nunna, E.S. Lee: New Nitrogen-Doped Graphene/MOF-modified catalyst for Fuel Cell Systems, ECS Transactions, 72 (8), pp. 149-154, DOI: 10.1149/07208.0149ecst (2016).

8.H. Singh, S. Zhuang, B. Ingis. B.B. Nunna, E.S. Lee: Carbon-Based Catalysts for Oxygen Reduction Reaction: A Review on Degradation Mechanisms, Carbon, 151, pp. 160-174, DOI: 10.1016/j.carbon.2019. 05.075 (2019).

9.B.B. Nunna, D. Mandal, Joo Un Lee, S. Zhuang and E.S. Lee: Sensitivity Study of Cancer Antigens (CA-125) Detection Using Interdigitated Electrodes Under Microfluidic Flow Condition, BioNanoScience, 9 (1), pp. 203-214, DOI: 10.1007/s12668-018-0589-1 (2019).

10.H. Singh, S. Zhuang, B.B. Nunna, E.S. Lee: Thermal Stability and Potential Cycling Durability of Nitrogen-Doped Graphene Modified by Metal-Organic Framework for Oxygen Reduction Reactions, Catalysis, 8 (12), 607, DOI: 10.3390/catal8120607 (2018)

(<http://kyyj.kjw.com.cn/jkzy/jzzy/jzzy.htm>) (<http://kyyj.kjw.com.cn/jkzy/jzzy/jzzy.htm>) (<http://kyyj.kjw.com.cn/jkzy/jzzy/jzzy.htm>) (<http://kyyj.kjw.com.cn/jkzy/jzzy/jzzy.htm>) (<http://kyyj.kjw.com.cn/jkzy/jzzy/jzzy.htm>) (<http://kyyj.kjw.com.cn/jkzy/jzzy/jzzy.htm>)

Marhaba, W. Zhang: Hydrogen Production from Organic Fatty Acids Using Carbon-Doped TiO₂ Nanoparticles under Visible Light Irradiation, International Journal of Hydrogen Energy, 43 (9), pp. 4335-4346, DOI: 10.1016/j.ijhydene.2018.01.042 (2018).

12.B.B. Nunna, D. Mandal, S. Zhuang and E.S. Lee: Innovative Point-of-Care (POC) Micro Biochip for Early Stage Ovarian Cancer Diagnostics, Sensors & Transducers Journal, 214 (7), pp. 12-20 (2017).

13.D. Mandal, B.B. Nunna, S. Zhuang, S. Rakshit, D. Misra, M.N.U. Bhuyian, J.U. Lee, E.S. Lee: Carbon Nanotubes Based Biosensor for Detection of Cancer Antigens (CA-125) Under Shear Flow Condition, Nano-Structures & Nano-Objects, 15, pp. 180-185, DOI: 10.1016/j.nanoso.2017.09.013 (2017).

已发表会议论文:

1.S. Zhuang, B.B. Nunna, L. Lei, E.S. Lee: Synthesis of Nitrogen-doped Graphene Catalyst by Wet Ball Milling for Electrochemical Systems. (Paper ID: 2425505), 251st ACS National Meeting & Exposition, San Diego, California, March 13-17, 2016.

