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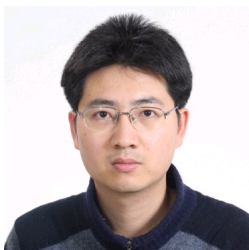
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师资力量

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王勇



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研究领域

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教育背景

2002.02 - 2005.07 浙江大学电气工程学院，博士

1999.09 - 2002.01 合肥工业大学电气工程学院，硕士

1994.09 - 1998.07 安徽建筑大学应电系，学士

工作经历

2010.03 - 上海交通大学电气工程系

2008.08 - 2009.12 丹佛斯太阳能（森纳堡，丹麦）

2005.08 - 2008.08 三星电子先行技术研究院（水原，韩国）

主讲课程

EE303: 电力电子技术基础（本科生课程）

主要在研科研项目

- 1、多电平中功率光伏并网逆变器
- 2、多MW风电变频器功率器件的自适应数字驱动研究（国家自然科学基金）

- 3、电动汽车充电器
- 4、有源电力滤波器

主要论文

Journal paper:

- [1] Wang Yong(王勇), Wang Fei, Novel three phase three level stacked neutral point clamped grid tied solar inverter with split phase controller, IEEE Transaction on Power Electronics, Vol 28, Issue 6 2013.
- [2] Wang Yong(王勇), Rui Li, Novel high efficiency 3 level stacked neutral point clamped grid tied inverter for photovoltaic application, IEEE Transaction on Industry Electronics, Vol. 60, Issue 9, 2013.
- [3] Yong Wang(王勇), Q Gao, etc, Mixed PWM modulation for dead-time elimination and compensation in a grid tied inverter, IEEE Transaction on Industry Electronics, Vol. 58, Issue 10, pp.4797-4803., Oct, 2011.
- [4] Yong Wang(王勇), Rui Li, DC link voltage optimized control for efficient residential fuel cell converter, International Journal of Electrical Power & Energy Systems, Vol. 32, Issue 9, pp.1031-1036, Aug, 2010.
- [5] Yong Wang(王勇), Seeyoung Choi, Eunuchul Lee, Fuel cell power conditioning system design for residential application, International Journal of Hydrogen Energy, Vol.34, Issue 5, pp.2340-2349. Mar, 2009.
- [6] Y. wang(王勇), S.Y.Choi, E.C.Lee, Efficient and ripple-mitigating dc-dc converter for residential fuel cell system, International journal of Electrical Power & Energy Systems , Vol. 31, Issue 1, pp. 43-49, Jan, 2009.
- [7] Yong Wang(王勇), Qi Zhao, Uffe Borup, Stack and converter integrated design for efficient residential fuel cell system, International Journal of Hydrogen Energy, Vol. 34, Issue 17, pp.7316-7322. Aug, 2009.
- [8] Y. wang(王勇), A novel input ripple current suppressing topology configuration and controller for residential fuel cell power conditioning system, Journal of Fuel Cell Science and Technology, Transactions of ASME, Vol. 7, Issue 3, June, 2010.

Conference paper:

- [1] Yong Wang (王勇) *, Gen Chen, Fei Wang, A novel hybrid three-level NPC topology with digital driven serial connected IGBTs for medium voltage multi-MW wind power converter, Applied Power Electronics Conference and Exposition (APEC), Long Beach, CA, 2013.03.17-20.
- [2] Ning Gao; Yong Wang(王勇); etc, Three-level diode-clamped boost PWM rectifier based on mixed coordinate space vector modulation, Applied Power Electronics Conference and Exposition (APEC), 2012 Twenty-Seventh Annual IEEE, 2012, Page(s): 1117 - 1120. (EI indexed conference)
- [3] Ning Gao; Yong Wang(王勇); etc, Self-adaptive Multi-Stage IGBT Driving Method in Medium Voltage Wind Generation System, IEEE Power Electronics and Motion Control Conference, 2012, IPEMC 2012. (Accepted) (EI indexed conference)
- [4] Gen Chen; Yong Wang(王勇); etc, Adaptive Digital Drive for High Power and Voltage IGBT in Multi-MW Wind Power Converter, IEEE Power Electronics and Motion Control Conference, 2012, IPEMC 2012. (EI indexed conference)
- [5] Yong Wang(王勇); Zhengyu Lu; Huiqing Wen; Yousheng Wang, Dead-time Compensation Based on the Improved Space Vector Modulation Strategy for Matrix Converter, Power Electronics Specialists Conference, 2005. PESC '05. IEEE 36th, Page(s): 27 - 30. (EI indexed)
- [6] Yong Wang(王勇); Zhengyu Lu; Wenxi Yao; Yousheng Wang, Digital harmonic acquisition with delay time compensation based on the improved d-q transformation, Power Electronics Specialists Conference, 2004. PESC 04. 2004 IEEE 35th Annual, Volume: 4, 2004, Page(s): 3050 - 3053 Vol.4. (EI indexed)

授权专利

- [1] Power conditioner and method of managing the same—美国专利授权号: US7,999,409, 第一发明人
- [2] Fuel cell power management system and anti-islanding method in the power management system—美国专利授权号 No:US7,982,342, 第一发明人.
- [3] Power conditioner and method of operating the same—美国专利授权号 No:US7,656,057, 第一发明人