

Prof. Ooi's Publications List

Journal Papers

- [1] Z. Huang, B.T. Ooi, L.A. Dessaint, F.D. Galiana, "Exploiting voltage support of voltage-source HVDC," IEE Proceedings – Generation, Transmission and Distribution (UK), Vol. 150, No. 2, pp. 252-256, March 2003.
- [2] W. Lu, B.T. Ooi, "Optimal acquisition and aggregation of offshore wind power by multiterminal voltage-source HVDC," IEEE Transactions on Power Delivery, Vol. 18, No. 1, pp. 201-206, January 2003.
- [3] W. Lu, B.T. Ooi, "Multiterminal HVDC system for optimal acquisition of power in wind-farm using induction generators," IEEE Transactions on Power Electronics, Vol. 17, No. 4, pp. 558-563, July 2002.
- [4] Z. Huang, B.T. Ooi, "Power transfer capability of long transmission lines with midpoint sited FACTS and HVDC," IEEE Power Engineering Review, Vol. 22, No. 5, pp. 51-53, May 2002.
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- [6] Y. Chen, B. Mwinyiwiwa, Z. Wolanski, B.T. Ooi, "Unified Power Flow Controller (UPFC) based on chopper stabilized diode-clamped multilevel converters," IEEE Transactions on Power Electronics, Vol. 15, No. 2, pp. 285-267, March 2000.
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- [10] G. Joos, X. Huang, B.T. Ooi, "Direct-coupled multilevel cascaded series var compensators," IEEE Transactions on Industry Applications, Vol. 34, No. 5, pp. 1156-1163, Sep-Oct 1998.
- [11] Y. Chen, B.T. Ooi, "Multimodular multilevel rectifier/inverter link with independent reactive power control," IEEE Transactions on Power Delivery, Vol. 13, No. 3, pp. 902-908, July 1998.
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- [13] B. Mwinyiwiwa, Z. Wolanski, B.T. Ooi, "Microprocessor-implemented SPWM for multiconverters with phase-shifted triangle carriers," IEEE Transactions on Industry Applications, Vol. 34, No. 3, pp. 487-494, May-Jun 1998.
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- [15] L.A.C. Lopes, G. Joos, B.T. Ooi, "High-power PWM quadrature booster phase shifter based on a multimodule AC controller," *IEEE Transactions on Power Electronics*, Vol. 13, No. 2, pp. 357-365, March 1998.
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Conference Papers

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- [2] L. Tang, B.T. Ooi, "Protection of VSC-multi-terminal HVDC against DC faults," IEEE 33rd Annual Power Electronics Specialists Conference, pp. 719-724, June 2002.
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- [5] L. Tang and B.T. Ooi, "Amplification of Non-characteristic Harmonics by AC Network of VSC Resonating with DC Network," IEEE 36th Industrial Application Society Annual Conference, Chicago, USA, 2001.
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