

郭艷光論文著述（國立彰化師範大學物理學系教授）

(A) 期刊論文

1. Jih-Yuan Chang, Bo-Ting Liou, Man-Fang Huang, Ya-Hsuan Shih, Fang-Ming Chen, and Yen-Kuang Kuo*, “High-efficiency deep-ultraviolet light-emitting diodes with efficient carrier confinement and high light extraction,” *IEEE Transactions on Electron Devices*, Accepted on December 13, 2018. (SCI)
2. Jih-Yuan Chang, Ya-Hsuan Shih, Man-Fang Huang, Fang-Ming Chen, and Yen-Kuang Kuo* (2018, November). “Shockley-Read-Hall and Auger recombination in blue InGaN tunnel-junction light-emitting diodes,” *Physica Status Solidi (a)*, 215 (21), 1800271-1–1800271-5. (SCI)
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359. Yen-Kuang Kuo, Jih-Yuan Chang, Ya-Hsuan Shih, Fang-Ming Chen, and Miao-Chan Tsai (2017). *Tunnel-Junction Light-Emitting Diodes*, in *Handbook of Optoelectronic Device Modeling & Simulation* (Chapter 16, 523–540). Joachim Piprek (Ed.), CRC Press, Taylor & Francis Group, New York. ISBN: 978-1-4987-4946-6.
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(D) 研究成果獎項及其他榮譽

1. 2018 年，榮獲「國立彰化師範大學教師研究成果頂級獎勵」。
2. 2018 年，榮獲「行政院科技部補助大專校院獎勵特殊優秀人才措施(2018 年 8 月至 2019 年 7 月)」獎勵。
3. 2017 年，榮獲「國立彰化師範大學教師研究成果頂級獎勵」。

4. 2017 年，榮獲「行政院科技部補助大專校院獎勵特殊優秀人才措施（2017 年 8 月至 2018 年 7 月）」獎勵。
5. 2016 年，指導光電科技研究所博士生陳芳名，榮獲「行政院科技部 106 年度補助博士生赴國外研究計畫（千里馬計畫）」，赴美國耶魯大學（Yale University）電機工程學系進修，獎學金 60 萬元。
6. 2016 年，榮獲「行政院科技部補助大專校院獎勵特殊優秀人才措施（2016 年 8 月至 2017 年 7 月）」獎勵。
7. 2015 年，榮獲「行政院科技部補助大專校院獎勵特殊優秀人才措施（2015 年 8 月至 2016 年 7 月）」獎勵。
8. 2015 年，指導光電科技研究所博士生蔡妙嬋，榮獲「中華民國物理學會研究生論文表現優良獎」。
9. 2014 年，榮獲「行政院科技部補助大專校院獎勵特殊優秀人才措施（2014 年 8 月至 2015 年 7 月）」獎勵。
10. 2014 年，指導光電科技研究所博士生蔡妙嬋，榮獲「中華民國光電學會博士班學生論文獎」。
11. 2014 年，榮獲「國立彰化師範大學教師研究成果頂級獎勵」。
12. 2013 年，榮獲「行政院國家科學委員會補助大專校院獎勵特殊優秀人才措施（2013 年 8 月至 2014 年 7 月）」獎勵。
13. 2013 年，榮獲「財團法人白沙文教基金會學術研究金質獎章」。
14. 2013 年，榮獲「國立彰化師範大學教師研究成果精實獎」。
15. 2013 年，榮獲「國立彰化師範大學教師研究成果頂級獎勵」。
16. 2012 年，榮獲「行政院國家科學委員會補助大專校院獎勵特殊優秀人才措施（2012 年 8 月至 2013 年 7 月）」獎勵。
17. 2012 年，榮獲「國立彰化師範大學教師研究成果精實獎」。
18. 2012 年，榮獲「國立彰化師範大學教師研究成果頂級獎勵」。
19. 2011 年，榮獲「行政院國家科學委員會補助大專校院獎勵特殊優秀人才措施（2011 年 8 月至 2012 年 7 月）」獎勵。
20. 2011 年，榮獲「國立彰化師範大學教師研究成果頂級獎勵」。
21. 2011 年，獲選為 2012 年「Who's Who in the World」成員。
22. 2011 年，指導物理系大專生（光電科技研究所碩士班預研究生）林育瑞，榮獲「IPC2011 國際光電科技研討會學生論文獎」。
23. 2010 年，榮獲「行政院國家科學委員會補助大專校院獎勵特殊優秀人才措施（2010 年 10 月至 2011 年 7 月）」獎勵。
24. 2010 年，榮獲「98 年度國立彰化師範大學傑出研究教師」。
25. 2010 年，榮獲「國立彰化師範大學教師研究成果頂級獎勵」。
26. 2010 年，指導光電科技研究所博士生蔡妙嬋，榮獲「行政院國家科學委員會 100 年度補助博士生赴國外研究計畫（千里馬計畫）」，赴美國耶魯大學（Yale University）電機工程學系進修，獎學金 45 萬元。
27. 2009 年，榮獲「國立彰化師範大學教師研究成果頂級獎勵」。
28. 2009 年，指導光電科技研究所碩士生黃奕翔，榮獲「中華民國物理年會壁報論文佳作獎」。

29. 2008 年，指導光電科技研究所碩士生蔡妙嬋，榮獲「中華民國物理學會研究生優良論文佳作獎」。
30. 2007 年，榮獲「國立彰化師範大學教師研究成果頂級獎勵」。
31. 2007 年，榮獲「財團法人國立彰化師範大學文教基金會學術研究獎助」。
32. 2007 年，指導光電科技研究所碩士生姚銘偉，榮獲「中華民國物理年會最佳壁報論文獎」。
33. 2006 年，榮獲「國立彰化師範大學教師研究成果頂級獎勵」。
34. 2005 年，榮獲「財團法人國立彰化師範大學文教基金會學術研究獎助」。
35. 2004 年，榮獲「財團法人國立彰化師範大學文教基金會學術研究獎助」。
36. 2003 年，指導物理研究所碩士生張詒安，榮獲「中華民國光學工程學會碩士班學生論文獎」。
37. 2002 年，指導物理研究所碩士生顏勝宏，榮獲「台灣光電科技研討會最佳壁報論文獎」。