Hsisheng Teng (鄧熙聖)

University Chair Professor
Deputy Director of Center of Micro/Nano Science & Technology
Department of Chemical Engineering
National Cheng Kung University, Tainan 70101, TAIWAN
(Tel) 886-6-2385371 (Fax) 886-6-2344496
(Email) hteng@mail.ncku.edu.tw
(Homepage)
http://www.che.ncku.edu.tw/FacultyWeb/TengH/home.html

I. EDUCATION

Institution	Degree	Field	Period
Brown Univ. (USA)	Ph.D.	Engn.	1987 - 1992
Brown Univ. (USA)	M.S.	Engn.	1987 - 1991
National Cheng Kung Univ. (TW)	B.S.	Chem. Engn.	1980 - 1984

II. CURRENT RESEARCH INTERESTS

1. Advanced Materials for Photocatalysis and Photoluminescence
2. Nanostructured Materials for Supercapacitors and Lithium Ion Batteries
3. Novel design for Photoelectrodes

III. AWARDS / HONORS

1. Research Excellence Award, Ministry of Science and Technology (2003, 2011, 2014)
2. University Chair Professor, National Cheng Kung University (2012-present)
3. Outstanding Engineering Professor Award, Chinese Institute of Engineers (2012)
3. Coordinator of the Chemical Engineering Program, Ministry of Science and Technology (2012-2014)
4. Editor in Chief, *J. Taiwan. Inst. Chem. Engr.*, Jul. 2012–Jun. 2015. (2014 ISI Impact Factor = 3.000)
5. Thomson Reuters Taiwan Research Front Award, Thomson Reuters (2011)

III. SELECTED PEER REVIEWED PUBLICATIONS

1. Hsieh, W.; Horng, T.L.A.; Huang, H.C.; Teng, H* "Facile Simulation of Carbon with Wide Pore Size Distribution for Electric Double-Layer Capacitance Based on Helmholtz Models", *Journal of Materials Chemistry A* 2015, Vol. **3**, 16535-16543.
2. Yeh, T.F.; Chen, S.J.; Teng, H.* "Synergistic Effect of Oxygen and Nitrogen Functionalities for Graphene-Based Quantum Dots Used in Photocatalytic H_2 Production from Water Decomposition", *Nano Energy* 2015, Vol. 42, 476-485
3. Yeh, T.F.; Teng, C.Y., Chen, S.J.; Teng, H.* "Nitrogen-Doped Graphene Oxide Quantum Dots as Photocatalysts for Overall Water-Splitting under Visible Light Illumination", *Advanced Materials* 2014, 26, 3297-3303.
4. Yeh, T.F.; Cihlář, J.; Chang, C.Y.; Cheng, C.; Teng, H.* "Roles of Graphene Oxide in Photocatalytic Water Splitting", *Materials Today* 2013, 16, 78.
5. Li, T.L.; Lee, Y.L.; Teng, H.* "High-Performance Quantum Dot-Sensitized Solar Cells Based on Sensitization with $CuInS_2$ Quantum Dots/CdS Heterostructure", *Energy & Environmental Science* 2012, 5, 5315.
6. Yeh, T.F.; Syu, J.M.; Cheng, C.; Chang, T.H.; Teng, H.* "Graphite Oxide as a Photocatalyst for Hydrogen Production from Water" *Advanced Functional Materials* 2010, 20, 2255.