Yao-Tung Lin

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Educational Background

2004 Ph. D. Environmental Engineering, University of Delaware
1992 MS. Civil Engineering (Environmental Concentration), University of Delaware
1986 BS. Civil Engineering, National Central University

Professional Specialty

1. Nano-Sized Particle Separation Technique
2. Nanommaterials characterization
3. Colloid and Surface Chemistry
4. Environmental Remediation including Soil Remediation
5. Soil/Groundwater Contaminant and Transport
6. Characteristics of Nano-Material
7. Remote Sensing including GIS
8. Planning and Design of Solid Waste Treatment
9. Solid Waste Management
10. Air pollution Control System

The Brief of Experiences

2023.04 – now	Convener, 2050 N-Zero Promotion Group, the Science and Technology Office of the Executive Yuan, Taiwan
2020.08 – now	**President**, North Kaohsiung Community University
2020.01 – 2021.07	**Vice CEO**, Organic Agriculture Promotion Center
2017.08 – now	**Lifetime Distinguished Professor**, Department of Soil and Environmental Sciences, National Chung Hsing University
2015.03 – now	**Honorary President**, National Land resources Conservation Society
2016.12 – 2020.12	**Director**, The Chinese Institute of Environmental Engineering
2008.01 – now	**Director**, Taiwan Environmental Education Association
2018.08 – 2019.07	Academic Secretary, College of Agriculture and Natural

Resources, National Chung Hsing University

2014.08 – 2017.07 **Professor**, Department of Soil and Environmental Sciences, National Chung Hsing University

2009.02 –2014.07 **Associate Professor**, Department of Soil and Environmental Sciences, National Chung Hsing University

2000.06 –2014.05 **Chief**, Center of Nanoscience & Nanotechnology, National Chung Hsing University

2006.08 –2014.05 **Director**, Nanomaterial Measurement Laboratory, National Chung Hsing University

2004.08 – 2009.01 **Assistant Professor**, Department of Soil and Environmental Sciences, National Chung Hsing University

2000.09 – 2004.07 **Research Assistant**, Department of Civil and Environmental Engineering, University of Delaware, the main research focus on the nano-size particle separation technique. My other research topic is to develop the remote sensing as a tool for assessing environmental quality.

1995.01 – 2000.08 **Project Manager**, Department of Environmental Engineering II, Sinotech Engineering Consultants, Ltd. The main esponsibilities are

(1) The planning, design and environment impact assessment of Kaohsun Kunshun Resource Recycle (Incinerator) Plant (capacity 1,350 metric ton/d);

(2) The classification of safety evaluation of landfill and the establishment of geographic information systems;

(3) The site selection, planning, design and environment impact assessment of incinerator (capacity 180 metric ton/d) of Kingmang area;

(4) The site selection, planning, design, and environment impact assessment of the Taipei City 3rd landfill.

1992.11 – 1994.12 **Engineer**, Department of Environmental Engineering II, Sinotech Engineering Consultants Inc. The main works are the planning, design and the environmental impact assessment of waste resource recycle (incinerator) plant (capacity 1,350, 900, 600 metric ton/d) in Jen-Wu Kaohsung county, Chi-Chuo Chunghwa county, Shin-fon Sinchu county.

1990.09 – 1992.07 **Research Assistant**, Department of Civil Engineering, University of Delaware, the main research is heavy metal

contamination in the soil.

1988.06 – 1990.07 **Research Assistant**, Department of Environmental Engineering, National Taiwan University. The main research is the establishment of receptor model in Taipei-Taoyuan area.

1987.06– 1988.06 **Civil Engineer**, Pentathlon Exercise Association. The main work is the planning of park and the planning, design and establishment of indoors warm-water swimming pool.

Professional Experiences

1. August 2017 – now Distinguished Professor
   Department of Soil and Environmental Sciences
   National Chung Hsing University, Taichung , Taiwan

2. August 2014 – now Professor
   Department of Soil and Environmental Sciences
   National Chung Hsing University, Taichung , Taiwan

3. February 2009 – July 2014 Associate Professor
   Department of Soil and Environmental Sciences
   National Chung Hsing University, Taichung , Taiwan

4. August 2004 – January 2009 Assistant Professor
   Department of Soil and Environmental Sciences
   National Chung Hsing University, Taichung , Taiwan

5. September 2000 – July 2004 Research Assistant
   Department of Civil and Environment Engineering
   University of Delaware, Newark, DE, USA
   (1) Conduct research on “Separation of Colloidal Particles from Groundwater by Cross-Flow Electro-filtration Process for Improving the Analysis of Lead”
   (2) Conduct research on “Remote Sensing as a Tool for Assessing Water Quality in Rehoboth and Indian River Bays”
   (3) Perform thesis research
   (4) Coordinate with preparation of quarterly reports
   (5) Assist with management of laboratory, instrument maintenance, chemical inventory, safety issues, and general maintenance tasks

6. February 2000 - July 2004 Student Representative
Department Safety Committee

Department of Civil and Environment Engineering
University of Delaware, Newark, DE, USA

(1) Student liaison to the Departmental Safety Committee
(2) Perform laboratory safety inspections and instruct fellow students on laboratory inspection protocol

7. January 1995 - August 2000 Project Manager

Department of Environmental Engineering II
Sinotech Engineering Consultants, Ltd

(1) Environmental monitor project dealing with the resource recycles plant (incinerator) in the southern Kaohsiung area (capacity 1,800 metric ton/day)
(2) Safety evaluation of landfill and the establishment of geographic information systems
(3) Site selection, planning and environment impact assessment of the 3rd sanitary landfill of the City of Taipei: feasibility evaluation of ash reuse, document and contract for BOT and BOO bids
(4) Resource recycle plant (incinerator) of Shi-chi, Taipei County (capacity 300 metric ton/day): feasibility evaluation, engineering planning and environmental impact assessment
(5) The planning and design of air quality/meteorology monitor station for the Shan Zhu Ku sanitary landfill of the City of Taipei
(6) The planning, design and environment impact assessment of resource recycle plant (incinerator) of Lu-Cao, Chaiyi (capacity 900 metric ton/day)
(7) The planning, design and environment impact assessments of resource recycle plant (incinerator) of Kun-Shan, Kaohsiung County (capacity 1,350 metric ton/day)
(8) The environment impact assessments of the resource recycle plant (incinerator) of Shi-chi, Taipei County (capacity 300 metric ton/day)
(9) The environment monitor of sanitary landfill of Shan Zhu Ku, Taipei City.
(10) The planning, design and environment impact assessment of the resource recycle plant (incinerator) of Li-jen, Yilang (capacity 600 metric ton/day)
(11) The planning, design and environment impact assessment of the incinerator of medicinal waste for Taipei City (capacity 75 metric ton/day)
(12) The planning, design and environment impact assessment of solid waste incinerator for Kingman County (capacity 180 metric ton/day)

(13) The environmental monitor of resource recycle plant (incinerator) of central Kaohsiung City
(14) The planning and environment impact assessment of Nan-Ko sanitary landfill for Taipei City

8. November 1992 - December 1994 Engineer
Department of Environmental Engineering II
Sinotech Engineering Consultants Inc
(1) The planning of air quality/meteorology monitor station for the Shan Zhu Ku waste sanitary landfill of the City of Taipei
(2) The environmental monitor of sanitary landfill of Shan Zhu Ku, Taipei City
(3) The environment impact assessment of resource recycle plant (incinerator) of Li-jen, Yilang County (capacity 600 metric ton/day)
(4) The planning and design of solid waste treatment plant for Chiaming Yang Lao Yuan, Taichung County
(5) The planning and design of resource recycle plant (incinerator) of Ho-li, Taichung County (capacity 900 metric ton/day)
(6) The environment impact assessment of resource recycle plant (incinerator) of Jen-oh, Kaohsiung County (capacity 1,350metric ton/day)
(7) The environment impact assessment of resource recycle plant (incinerator) of Shi-cho, Chanwha County (capacity 900 metric ton/day)
(8) The environment impact assessment of resource recycle plant (incinerator) of Shi-fon, Shichu County (capacity 600 metric ton/day)
(9) The planning and environment impact assessment of sanitary landfill of Nan-Ko, Taipei City
(10) The planning of incinerator for Ho-ping cement industry park
(11) The planning of sludge incinerator for Lin-yuan industrial district
(12) The planning of sludge incinerator for Quan-len industrial district

9. September. 1990 - June.1992 Research Assistant
Department of Civil Engineering
University of Delaware, Newark, DE, USA
(1) The impact of soil contamination by heavy metals
(2) The kinetic study of chromium reduction with pyrite

10. July 1988 – June 1990 Research Assistant
Department of Environmental Engineering
National Taiwan University

(1) The establishment of receptor model in Taipei city and the effect of traffic and construction on air quality
(2) The establishment of receptor model in Taipei-Taoyuan area

11. July 1987 – June 1988 Civil Engineer
Pentathlon Exercise Association
(1) The planning of Pentathlon Exercise Park
(2) The planning and design of indoors warm-water swimming pool

Honors and Awards

2001 Bloc/Davis Assistantship in the Department of Civil and Environmental Engineering, University of Delaware, Academic Year 2000-2001
2002 Student Research Award, the Pennsylvania Water Environment Association (PWEA)
2003 Student Paper Competition Award, Chesapeake Water Environment Association (CWEA)
2003Competitive Fellow Award, University of Delaware, Academic Year 2003
2008 Enthusiastic Service Teacher Award, Chung Hsing University
2009 Ministry of Education National University Interdisciplinary Science Talent Cultivation and Connection Program Excellent Program Award
2009 Silver Medal Award in the Creative Application Competition of Biotechnology R&D Achievements, Ministry of Economic Affairs
2009 Excellent Paper Award of 2009 Civil and Ecological Engineering Symposium
2010 Excellent Teacher Service Award, Chung Hsing University
2010 Industry-Academic Excellence Award, Chung Hsing University
2010 Excellent Program Award for National University Interdisciplinary Science Talent Cultivation and Connection Program, Ministry of Education
2011 Awarded special talents, National Science Council
2011 Ministry of Education National University Interdisciplinary Science Talent Cultivation and Connection Program Excellent Program Award
2013 Excellent Tutor Award for the 101st Academic Year, Chung Hsing University
2013 101 School Year Teacher Evaluation Excellence Award, Chung Hsing University
2015 Outstanding Paper Award of the 26th Annual Conference of the Environmental Engineering Society of the Republic of China
The second place in the poster paper of the Member Conference of the Chinese Soil and Fertilizer Society in 2015
2015 International Society of Plastics Engineers (SPE-TAIWAN) 9th Plastic Materials Application and Technical Paper Competition Paper Excellent Paper Award
2015 The 21st National Synchrotron Radiation Center User Annual Conference and Seminar, Taiwan Light First Award

2016 Guiding Changhua Senior High School Cai Zijun, Xiao Yuen, Shi Shutang's 104th National Senior High School High-level Special Achievement Joint Presentation Gold Medal Award
2016 2016 Advanced Chemistry Use-in-One Paper Report Contest, Second Place in Applied Chemistry Group
2016 2016 Advanced Chemistry Uses One Paper Report Competition Analysis and Third Place in Physical Chemistry Group
2016 Outstanding Academic Award of Perpetual Agricultural Law of China Sustainable Agriculture Association
2016 2016 Ministry of Education's Biotechnology Industry Innovation and Entrepreneurship Talent Cultivation Program
2016 22nd National Synchrotron Radiation Center User Annual Conference and Seminar and Seminar Outstanding Research
2016 2016 Ministry of Education Biotechnology Industry Innovation and Entrepreneurship Talent Cultivation Program Advanced Competition Gold Award
2016 2016 Best Popularity Award in the Poster Contest of the Ministry of Education's Biotechnology Industry Innovation and Entrepreneurship Talent Cultivation Project
2016 2016 Bronze Award of Entrepreneurship Award of Agricultural Biotechnology Group, Biotechnology Industry Innovation and Entrepreneurship Talent Cultivation Program of Ministry of Education
2016 Excellent poster papers of the Member Conference of the Chinese Soil and Fertilizer Society in 2016
2016 2016 Cathay Pacific Excellence Award
2016 The 28th Annual Meeting of the Society of Environmental Engineering, the first place in the National Postgraduate Outstanding Paper Competition
2016 The 28th Annual Meeting of the Society of Environmental Engineering, the second place in the National Excellent Paper Competition for College Students
2017 2017 International Conference on Environmental Quality Concern, Control and Conservation, Best Paper Award
2017 2017 International Conference on Environmental Quality Concern, Control and Conservation, Best Paper Award
2017 2017 Advanced Chemistry Use One Student Thesis Oral Report Competition, Master, Doctorate, Master, Ph.D. 1st Prise
2017 2017 Advanced Chemistry Use One-in-One Student Thesis Poster Competition 1st Prise in the Master and Doctoral Masters Group
2017 2017 National Teacher-Student Innovation and Entrepreneurship Competition
2017 National Top Ten Outstanding Agricultural Experts
2017 Second place in the National Excellent Essay Competition for College Students at the 29th Annual Meeting of the Environmental Engineering Society
2017 1st Pan American Congress of Nanotechnology Fundamentals and Applications to Shape the Future International Symposium Best Paper Award
2017 Future Technology Award of the Ministry of Science and Technology

2018 Ministry of Education's 106 annual college graduate's entrepreneurship service plan manufacturing group created excellent performance team
2018 2018 International Advanced Chemistry Symposium Oral Report 1st Prise in Advanced Chemistry Group
2018 2018 International Advanced Chemistry Symposium Poster Paper Contest
2018 Outstanding Paper Award of the 30th Annual Meeting of the Environmental Engineering Society
2018 The 15th National Innovation Award-Academic Research Innovation Award
2019 National Chung Hsing University Problem-Oriented Learning Program Teacher and Student Model Award
2019 2019 International Conference on Environmental Quality Concern, Control and Conservation Best Paper Award
2019 2019 International Conference on Advances in Civil and Ecological Engineering Research Best Oral Presentation Award
2019 2019 International Conference on Graphene and Novel Nanomaterials (GNN 2019) Best Paper Poster Award
2019 2019 International Conference on Clean Water, Air & Soil International Conference Best Oral Presentation Award
2019 R&D Achievement Technology Transfer Award Excellent Award, Chung Hsing University
2019 The 16th National Innovation Award-Academic Research Innovation Award
2019 Best Paper Award at the 31st Annual Meeting of the Society of Environmental Engineering Technical Paper Award
2020 National Chung Hsing University Digital Teaching Program Teacher an d Student Model Award
2020 Taipei Biotechnology Awards Technology Transfer Cooperation Award
2020 113th AWMA Annual Conference: Doctor Student Poster Competition: Best Paper Award
2020 The 17th National Innovation Award-Study and Research Innovation Award Renewal Award
2020 26th National Synchrotron Radiation Center User Annual Conference & Seminar & Seminar Best Popularity Award in Biological Science
2020 First Prize in the Doctoral Dissertation Competition of the 32nd Annual Meeting of the Society of Environmental Engineering
2020 First Place in the Thirty-second Annual Conference of the Society of Environmental Engineering
2020 Qing En Education Foundation 2020 Green Technology Paper Award
2021 Zhenghan Biotechnology Co., Ltd. Zhenghan Innovation Award: Creative Report Award
2021 National Chung Hsing University 109th Annual Overall Curriculum Program Excellence Award
2021 National Chung Hsing University 109th Annual Teacher Growth Community Project Excellence Award
2021 Ministry of Science and Technology College Student Research and Creation Award
2021 The 18th National Innovation Award - Learning and Research Innovation and Improvement Award Renewal Award

2021 The 18th Cross-Strait Carbon Materials and the 5th Taiwan Carbon Materials Symposium Oral Paper Competition
2021 The 18th Cross-Strait Carbon Materials and the 5th Taiwan Carbon Materials Symposium Poster Competition
2021 1st place in the 33rd Annual Meeting of Environmental Engineering Society for Master and Doctoral Dissertation Competition
2021 2nd place in the 33rd Annual Conference of Environmental Engineering Society for Master and Doctoral Dissertation Competition
2021 The 33rd Annual Conference of the Environmental Engineering Society, the third place in the dissertation competition for masters and doctors without grouping
2021 Best Paper Award of the 33rd Annual Conference of Environmental Engineering Society for Undergraduate Thesis Competition
2021 Qingen Education Foundation 2021 Green Technology Paper Award
2021 The 33rd Annual Conference of Environmental Engineering Society Special Excellent Paper Guidance Award
2021 Advanced Chemistry Application Seminar and Student Paper Presentation 2nd Place in Physical Chemistry and Applied Chemistry Group
2021 Advanced Chemistry Application Seminar cum Student Paper Presentation Excellent Works of Physical Chemistry and Applied Chemistry Group
2021 Advanced Chemistry Application Seminar cum Student Paper Presentation Excellent Works of Organic Chemistry and Chemical Materials Group
2022 Precision Environmental Medicine Symposium Heavy Metals and Health Excellent Work Poster Paper Award
2022 2022 International Conference on Environmental Quality Concern, Control and Conservation Best Oral Presentation Award
2022 National Chung Hsing University 110th Annual Innovative Teaching Problem-Oriented Learning Program Excellence Award
2022 National Chung Hsing University 2022 Science and Technology Paper Award
2022 National Chung Hsing University 2022 Science and Technology Paper Award 1st place
2022 115th AWMA Annual Conference: Doctor Student Poster Competition: 3rd place
2022 115th AWMA Annual Conference: Master Student Poster Competition: 1st place
2022 Zhenghan Biotechnology Co., Ltd. Zhenghan Biotechnology Application Innovation Award: 1st place
2022 Ministry of Science and Technology, Future Technology Award
2022 Taiwan Agricultural Society, Agricultural Academic Award
2022 The 19th National Innovation Award, Academic Innovation Award

Publications

1. Pattanateeradetch, A., Sakulthaew, C., Angkaew, A., Sutjarit, S., Poompoung, T., Lin, Y.-T., Chokejaroenrat, C. (2022). Fabrication of Ternary Nanoparticles for Catalytic Ozonation to Treat Parabens: Mechanisms, Efficiency, and Effects on

Ceratophyllum demersum L. and Eker Leiomyoma Tumor-3 Cells. *Nanomaterials, 12*(20), 3573. (IF: 5.719, CATEGORY ENVIRONMENTAL SCIENCES, SCI/SSCI Rank Factor N / M: 28/324)

2. Young, L.-H., et al., Insights to the 3D internal morphology and metal oxidation states of single atmospheric aerosol particles by synchrotron-based methodology. Chemosphere, 2022. 307: p. 135799. (IF: 8.943, CHEMISTRY, MULTIDISCIPLINARY, SCI/SSCI Rank Factor N / M: 64/224)
3. Sirivechphongkul, K., et al., Agri-Biodegradable Mulch Films Derived from Lignin in Empty Fruit Bunches. Catalysts, 2022. **12**(10): p. 1150. (IF: 4.501, CHEMISTRY, PHYSICAL, SCI/SSCI Rank Factor N / M: 70/163)
4. Su, J.-A., C.-C. Huang, C.-L. Huang, Y.-T. Lin and Y.-Y. Li (2022). "Activated microporous carbon spheres for electric double-layer capacitor." Chemical Engineering Research and Design **183**: 77-89. (IF: 3.739, Chemical Engineering, SCI/SSCI Rank Factor N / M: 42/279)
5. Elancheziyan, M., S. Ganesan, K. Theyagarajan, M. Duraisamy, K. Thenmozhi, C.-H. Weng, Y.-T. Lin and V. K. Ponnusammy (2022). "Novel biomass-derived porous-graphitic carbon coated iron oxide nanocomposite as an efficient electrocatalyst for the sensitive detection of rutin (vitamin P) in aqueous samples." Environmental Research **211**: 113012 (IF: 6.498, P ENVIRONMENTAL SCIENCES, SCI/SSCI Rank Factor N / M: 13/306)
6. Yen ,L. T., C. H. Weng, N.A.T. Than , J. H. Tzeng,, A.R. Jacobson, V.D. Dang and Y. T. Lin (2021). " Mode of Inactivation of Staphylococcus aureus and Escherichia coli by Heated Oyster-Shell Powder" Chemical Engineering Journal, **432**: 134386 (IF: 13.273, ENGINEERING, CHEMICAL, SCI/SSCI Rank Factor N / M: 4/143)
7. Tzeng, J. H., C. H. Weng, C. J. Chang, L. T. Yen,M. D. G. de Luna, J.W. Huang and Y. T. Lin (2021). " N-Schorl TiO_2 Nanocomposite for Visible-Light Photocatalysis Deactivation Yeast Exemplified by *Candida albicans*." Chemical Engineering Journal **435**: 134294 (IF: 13.273, ENGINEERING, CHEMICAL, SCI/SSCI Rank Factor N / M: 4/143)
8. Iamsaard, K., C. H. Weng, L. T. Yen, J. H. Tzeng, C. Poonpakdee and Y. T. Lin (2022). "Adsorption of metal on pineapple leaf biochar: Key affecting factors, mechanism identification, and regeneration evaluation." Bioresource Technology **344**: 10. (IF: 9.642, AGRICULTURAL ENGINEERING, SCI/SSCI Rank Factor N / M: 1/16)
9. Tzeng, J.-H., C.-H. Weng, L.-T. Yen, G. Gaybullaev, C.-J. Chang, M. D. G. d. Luna and Y.-T. Lin (2021). "Inactivation of pathogens by visible light photocatalysis with nitrogen-doped TiO2 and tourmaline-nitrogen co-doped TiO2." Separation and

Purification Technology **274**: 118979. (IF: 5.744, ENGINEERING, CHEMICAL, SCI/SSCI Rank Factor N / M: 16/143)

10. Charoensook, K., C.-L. Huang, H.-C. Tai, V. V. K. Lanjapalli, L.-M. Chiang, S. Hosseini, Y.-T. Lin and Y.-Y. Li (2021). "Preparation of porous nitrogen-doped activated carbon derived from rice straw for high-performance supercapacitor application." Journal of the Taiwan Institute of Chemical Engineers **120**: 246-256. (IF: 4.794, ENGINEERING, CHEMICAL, SCI/SSCI Rank Factor N / M: 25/143)
11. Tzeng, J.-H., et al., *A solution of identifying biophysical properties and 3D cellular structure of visible-light-driven photocatalytic inactivated Staphylococcus aureus*. Chemical Engineering Journal, 2020. https://doi.org/10.1016/j.cej.2020.127880. (IF: 10.652, ENGINEERING, CHEMICAL, SCI/SSCI Rank Factor N / M: 4/143)
12. Luna, M.D.G.d., et al., *Doping TiO2 with CuSO4 enhances visible light photocatalytic activity for organic pollutant degradation.* Environmental Science and Pollution Research, 2019. (IF: 2.914, ENVIRONMENTAL SCIENCES, SCI/SSCI Rank Factor N / M: 91/250)
13. Tzeng, J.-H., et al., *Synthesis, characterization, and visible light induced photoactivity of tourmaline-N-TiO2 composite for photooxidation of ethylene.* Journal of Industrial and Engineering Chemistry, 2019. (IF: 4.978, ENGINEERING, CHEMICAL, SCI/SSCI Rank Factor N / M: 15/138)
14. Huang, S.-M., et al., Kinetic study and performance comparison of TiO_2-mediated visible-light-responsive photocatalysts for the inactivation of *Aspergillus niger*. Science of The Total Environment, 2019. 692(20): p. 975-983. (IF: 5.589, ENVIRONMENTAL SCIENCES, SCI/SSCI Rank Factor N / M: 27/250)
15. Huang, S.-M., et al., Photocatalytic inactivation of *Klebsiella pneumoniae* by visible-lightresponsive N/C-doped and N-tourmaline/palladium-C-codoped TiO_2. Chemical Engineering Journal, 2019. 379: p. 122345. (IF: 8.355, ENGINEERING, ENVIRONMENTAL, SCI/SSCI Rank Factor N / M: 2/52)
16. Tzeng, J.-H., et al., *Application of Pd-Modified Zeolite for Prolonging Post-Harvest Shelf Life of Banana.* Journal of the Science of Food and Agriculture, 2019. **99**: p. 3467-3474. (IF: 2.422, Agriculture, Multidisciplinary, SCI/SSCI Rank Factor N / M: 9/56)
17. Liu, N., et al., *Effective degradation of primary color direct azo dyes using Fe-0 aggregates-activated persulfate process.* Journal of Environmental Management, 2018. **206**: p. 565-576. (IF: 4.865 Environmental Sciences, SCI/SSCI Rank Factor N / M: 36/251)
18. Poonpakdee, C., J.-H. Tzeng, C.-H. Weng, and Y.-T. Lin, *Assessment of potassium speciation in soil using traditional single leaching and modified sequential*

extraction processes. Journal of Soils and Sediments 2017. DOI: 10.1007/s11368-017-1773-6 (IF: 2.669, SOIL SCIENCE , SCI/SSCI Rank Factor N / M: 13/35)

19. Liu, N., F. Ding, C.-H. Weng, C.-C. Hwang and Y.-T. Lin (2016). "Minimizing the interference of carbonate ions on degradation of SRF3B dye by Fe0-aggregate-activated persulfate process. Separation and Purification Technology, 2016. **169**: p. 230-240. (IF: 2.894, ENGINEERING, CHEMICAL, SCI/SSCI Rank Factor N / M: 15/133).
20. Lin, Y.-H., C.-H. Weng, J.-H. Tzeng and Y.-T. Lin (2016). "Adsorption and Photocatalytic Kinetics of Visible-Light Response N-Doped TiO_2 Nanocatalyst for Indoor Acetaldehyde Removal under Dark and Light Conditions." International Journal of Photoenergy **2016**: 9. (IF: 2.026, OPTICS, SCI/SSCI Rank Factor N / M: 46/95)
21. Lin, Y.H., C.H. Weng, A.L. Srivastav, Y.T. Lin, and J.H. Tzeng, Facile Synthesis and Characterization of N-Doped TiO_2 Photocatalyst and Its Visible-Light Activity for Photo-Oxidation of Ethylene. Journal of Nanomaterials, 2015: p. 10. (IF: 2.233, NANOSCIENCE & NANOTECHNOLOGY, SCI/SSCI Rank Factor N / M: 150/293)
22. Tzeng, J.-H., C.-H. Weng, J.-W. Huang, Y.-H. Lin, C.-W. Lai, and Y.-T. Lin, Spent tea leaves: A new non-conventional and low-cost biosorbent for ethylene removal. International Biodeterioration & Biodegradation, 2015. **104**: p. 67-73. (IF: 3.824, BIOTECHNOLOGY & APPLIED MICROBIOLOGY, SCI/SSCI Rank Factor N / M: 36/162)
23. Weng, C.-H., F. Ding, Y.-T. Lin, and N. Liu, Effective decolorization of polyazo direct dye Sirius Red F3B using persulfate activated with Fe0 aggregate. Separation and Purification Technology, 2015. **147**: p. 147-155. (IF: 2.894, ENGINEERING, CHEMICAL, SCI/SSCI Rank Factor N / M: 15/133)
24. Wu, J.-L., C.-R. Ho, C.-C. Huang, A.L. Srivastav, J.-H. Tzeng, and Y.-T. Lin, Hyperspectral Sensing for Turbid Water Quality Monitoring in Freshwater Rivers: Empirical Relationship between Reflectance and Turbidity and Total Solids. sensors, 2014. **14**(12): p. 22670-22688. (IF: 3.031, INSTRUMENTS & INSTRUMENTATION, SCI/SSCI Rank Factor N / M: 15/61)
25. Lin, Y.-T., Weng, C.-H., Hsu, H.-J., Huang, J.-W., Srivastava, A.L., Shiesh, C.-C., 2014. Effect of oxygen, moisture, and temperature on the photo oxidation of ethylene on N-doped TiO2 catalyst. Separation and Purification Technology 134, 117-125. (IF: 2.894, ENGINEERING, CHEMICAL, SCI/SSCI Rank Factor N / M: 15/133)

26. Li, Y.-Z., C.-S. Cheng, C.-J. Chen, Z.-L. Li, Y.-T. Lin, S.-E. Chen, and S.-Y. Huang, Functional Annotation of Proteomic Data from Chicken Heterophils and Macrophages Induced by Carbon Nanotube Exposure International Journal of Molecular Sciences 2014. **15**: p. 8372-8392. (IF: 2.464, CHEMISTRY, MULTIDISCIPLINARY, SCI/SSCI Rank Factor N / M: 48/152)
27. Weng, C.-H., Y.-T. Lin, N. Liu, and H.-Y. Yang, Enhancement of the advanced Fenton process by ultrasound for decolorisation of real textile wastewater. Coloration Technology, 2014. 130(2): p. 133-139. (IF: 0.899, MATERIALS SCIENCE, TEXTILES, SCI/SSCI Rank Factor N / M: 7/22)
28. Weng, C.-H., Y.-T. Lin, D.-Y. Hong, Y.C. Sharma, S.-C. Chen, and K. Tripathi, Effective removal of copper ions from aqueous solution using base treated black tea waste. Ecological Engineering, 2014. **67**: p. 127-133. (IF: 2.958, ENVIRONMENTAL SCIENCES, SCI/SSCI Rank Factor N / M: 42/210)
29. Lin, Y.-T., C.-H. Weng, and F.-Y. Chen, Key operating parameters affecting photocatalytic activity of visible-light-induced C-doped TiO2 catalyst for ethylene oxidation. Chemical Engineering Journal, 2014. 248: p. 175-183 (IF: 3.743, ENGINEERING, CHEMICAL, SCI/SSCI Rank Factor N / M: 10/133)
30. Weng, C.-H., Y.-T. Lin, S.-C. Hsu, Electrochemical Regeneration of Zn-saturated Granular Activated Carbon from Electroplating Wastewater Plant, Separation Science and Technology, 2014, 49 (4) 506-512. (IF: 1.164, ENGINEERING, CHEMICAL, SCI/SSCI Rank Factor N / M: 65/133)
31. Kuo, P.-C., et al., *Enhanced Antifungal Bioactivity of Coptis Rhizome Prepared by Ultrafining Technology.* Journal of Nanomaterials, 2014. **2014**(Article ID 262454): p. 6 pages (IF: 2.233 MATERIALS SCIENCE, MULTIDISCIPLINARY, SCI/SSCI Rank Factor N / M: 150/293)
32. Weng, C.-H., Y.-T. Lin, and Y.-H. Lin, Dewatering of bio-sludge from industrial wastewater plant using an electrokinetic-assisted process: Effects of electrical gradient. Separation and Purification Technology, 2013. 117(30): p. 35-40. (IF: 2.894, ENGINEERING, CHEMICAL, SCI/SSCI Rank Factor N / M: 15/133)
33. Lin, Y.-T., C.-H. Weng, H.-J. Hsu, Y.-H. Lin, and C.-C. Shiesh, The Synergistic Effect of Nitrogen Dopant and Calcination Temperature on the Visible-Light-Induced Photoactivity of N-Doped TiO2. International Journal of Photoenergy, 2013: Article ID 268723, 13 pages, 2013. doi:10.1155/2013/268723. (IF:2.633, OPTICS Rank Factor N / M: 9/79))
34. Lin, Y.-T., C.-H. Weng, Y.-H. Lin, C.-C. Shiesh, and F.-Y. Chen, Effect of C content and calcination temperature on the photocatalytic activity of C-doped TiO2 catalyst.

Separation and Purification Technology, 2013. 116(15): p. 114-123. (IF: 2.894, ENGINEERING, CHEMICAL, SCI/SSCI Rank Factor N / M: 15/133)

35. Weng, C.-H., Y.-T. Lin, and H.-M. Yuan, Rapid decoloration of Reactive Black 5 by an advanced Fenton process in conjunction with ultrasound. Separation and Purification Technology, 2013. 117(30): p. 75-82. (IF: 2.894, ENGINEERING, CHEMICAL, SCI/SSCI Rank Factor N / M: 15/133)
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1. Professional Environmental Engineer, R.O.C.
2. Hazardous Materials Incident Response Operation, US EPA.

Professional Society

1. Chinese Institute of Engineer
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Training Program

1. Soil and Groundwater Remediation Training Program, 2002 (Hosted by University of Delaware)
2. Hazardous Materials Incident Response Operations, 2001 (Hosted USEPA)
3. The Application of Systems Analysis in Waste Management (Hosted by National Central University)