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A. EDUCATION

Ph.D. in Chemistry — 08/2005 – 12/2009
National Tsing Hua University, Taiwan

B.S. in Chemistry — 09/2001 – 07/2005
National Tsing Hua University, Taiwan

B. RESEARCH EXPERIENCE

Associate Professor
Institute of Biomedical Engineering, National Tsing Hua University, Taiwan — 08/2020 – Present
Department of Chemistry, National Tsing Hua University, Taiwan — 08/2022 – Present
(Joint Appointment)

Assistant Professor — 08/2017 – 07/2020
Institute of Biomedical Engineering, National Tsing Hua University, Taiwan

Assistant Professor, Chung Yuan Christian University — 08/2013 – 08/2017

Postdoctoral Research Fellow, Massachusetts Institute of Technology — 03/2011 – 07/2013
Postdoctoral Research Associate, National Tsing Hua University, Taiwan — 12/2009 – 02/2011

C. AWARDS AND HONORS

Young Investigator Award, Shui-Mu Foundation of Chemistry — 2023

Excellent Junior Research Investigators, MOST, Taiwan — 2020

Young Investigator Award, NTHU, Taiwan — 2020

Young Investigator Award, College of Engineering, NTHU, Taiwan — 2020

科技部 GASE 中心規委校亮點實驗室, MOST, Taiwan — 2020

Young Investigator Award, Chao-Jen Lee (李昭仁) Biomaterial Research Foundation — 2019

Outstanding Young Investigator Award, Annual Meeting of Biomaterials and Controlled Release Society in Taiwan — 2019

Graeme-Hanson-AsBIC Early Career Researcher Award, Society of Biological Inorganic Chemistry — 2018

Rising Star Award, 43rd International Conference on Coordination Chemistry — 2018

Visiting Scholar, Department of Chemistry, Chonbuk National University, South Korea — 2018

Excellent Teaching Award, Dept. of Chemistry, Chung Yuan Christian University — 2016

Excellent Mentor Award, Dept. of Chemistry, Chung Yuan Christian University — 2016

Recruitment of Special Outstanding Talents, MOST — 2013

Postdoctoral Research Abroad Program Fellowship, National Science Council — 2011

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The Phi Tau Phi Scholastic Honor,
The Phi Tau Phi Scholastic Honor society of the Republic of China 2010

NTHU President's Scholarship, National Tsing Hua University 2006

D. PUBLICATION LIST

1. Cheng-Jhe Liao, Yu-Ting Tseng, Yu-An Cheng, Loise Ann Dayao, Linda Iffland-Mühlhaus, Leland B. Gee, Ryan D. Ribson, Ting-Shan Chan, Ulf-Peter Apfel*, Tsai-Te Lu* "Ligand Control of Dinitrosyl Iron Complexes for Selective Superoxide-Mediated Nitric Oxide Monooxygenation and Superoxide–Dioxygen Interconversion" ***J. Am. Chem. Soc.* 2023**, 145, 20389-20402. (SCI IF 15.0; ranking 17/178 = 9.6%, Chemistry, Multidisciplinary)

2. Tarik Abdelkareem Mostafa Amer, Sathyadevi Palanisamy, Pamela Berilyn So, Priya Vijayaraghavan, Shey-Cherng Tzou, Tsai-Te Lu,* Chia-Her Lin,* Yun-Ming Wang* "Sustained Releasable Copper and Zinc Biogenic ions Co-Assembled in Metal-Organic Frameworks Reinforced Bacterial Eradication and Wound Mitigation in Diabetic Mice" ***Bioconjugate Chemistry* 2023**, 145, 1688-1703. (SCI IF 4.7; ranking 13/77 = 16.9%, Biochemical Research Methods; Ranking 92/285 = 32.3%, Biochemistry & Molecular Biology)

3. Yi-Chieh Chan, Ya-Hui Lin, Hsiu-Ching Liu, Ru-Siou Hsu, Min-Ren Chiang, Li-Wen Wang, Tsu-Chin Chou, Tsai-Te Lu, I-Chi Lee, Li-An Chu,* Shang-Hsiu Hu* "In situ magnetoelectric generation of nitric oxide and electric stimulus for nerve therapy by wireless chargeable molybdenum carbide octahedrons" ***Nano Today* 2023**, 51, 101935. (SCI IF 17.4; ranking 11/178 = 6.2%, Chemistry, Multidisciplinary)

4. Wen-Han Chuang, Yu-Ting Chou, Yi-Hong Chen, Ting-Han Kuo, Wen-Feng Liaw, Tsai-Te Lu,* Chih-Fei Kao,* Yun-Ming Wang* "Neuroprotective Effect of NO-delivery Dinitrosyl Iron Complexes (DNICs) on Amyloid Pathology in Alzheimer's Disease Cell Model" ***ACS Chem. Neurosci.* 2023**, 14, 2922-2934. (SCI IF 5.0; ranking 84/285 = 29.5%, Biochemistry & Molecular Biology; Ranking 18/60 = 30.0%, Chemistry, Medicinal).

5. Shih-Hao Chang, Hui-Yi Hsiao,* Yi-Hong Chen, Ming-Huei Cheng, Jia-Wei Liu, Hsiao-Jo Huang, Yu-Ting Chou, Tarik Abdelkareem Mostafa Amer, Priya Vijayaraghavan, Sathyadevi Palanisamy, Yun-Ming Wang,* Tsai-Te Lu* "Conjugation of Bone Graft with NO-delivery Dinitrosyl Iron Complexes Promotes Synergistic Osteogenesis and Angiogenesis in Rat Calvaria Bone Defects" ***J. Mater. Chem. B* 2023**, 11, 8007-8019. (SCI IF 7.000; ranking 14/54 = 25.9%, Materials Science, Biomaterials)

6. Tsung-Ying Lee, Hung-Hsun Lu, Hui-Teng Cheng, Hsi-Chien Huang, Yun-Jen Tsai, I-Hsiang Chang, Chao-Peng Tu, Chieh-Wei Chung, Tsai-Te Lu,* Chi-How Peng,* Yunching Chen* "Delivery of nitric

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oxide with a pH-responsive nanocarrier for the treatment of renal fibrosis" ***J. Control. Release*** **2023**, 354, 417-428. (SCI IF 10.8; ranking 12/277 = 4.3%, Pharmacology & Pharmacy; ranking 21/178 = 11.8%, Chemistry, Multidisciplinary).

7. Yu-Ting Tseng, Vladimir Pelmenschikov,* Linda Iffland-Mühlhaus, Donato Calabrese, Yu-Che Chang, Konstantin Laun, Chih-Wen Pao, Ilya Sergueev, Yoshitaka Yoda, Wen-Feng Liaw, Chien-Hong Chen,* I-Jui Hsu,* Ulf-Peter Apfel,* Giorgio Caserta,* Lars Lauterbach,* and Tsai-Te Lu* "Substrate-Gated Transformation of a Pre-Catalyst into an Iron-Hydride Intermediate $[(NO)_2(CO)Fe(\mu\text{-}H)Fe(CO)(NO)_2]^-$ for Catalytic Dehydrogenation of Dimethylamine Borane" ***Inorg. Chem.*** **2023**, *62*, 769-781. (SCI IF 4.6; ranking 5/42 = 11.9%, Chemistry, Inorganic & Nuclear).

8. Cheng-Han Chen, Yu-Hsiang Liao, Michael Muljadi, Tsai-Te Lu, Chao-Min Cheng* "Potential Application of the WST-8-mPMS Assay for Rapid Viable Microorganism Detection" ***Pathogens*** **2023**, *12*, 343. (SCI IF 4.531; ranking 58/137= 42.3%, Microbiology).

9. Ibrahim Habib, Tsai-Te Lu,* Amr Sabbah, Kuei-Hsien Chen, Fu-Te Tsai, Wen-Feng Liaw* "One-Pot Photosynthesis of Cubic Fe@Fe_3O4 Core–Shell Nanoparticle Well-Dispersed in N-Doping Carbonaceous Polymer Using a Molecular Dinitrosyl Iron Precursor" ***Inorg. Chem.*** **2022**, *61*, 20719-20724. (SCI IF 5.436; ranking 5/46 = 10.9%, Chemistry, Inorganic & Nuclear).

10. Hsin-Tzu Hsieh, Hsi-Chien Huang, Chieh-Wei Chung, Cheng-Chin Chiang, Tiffaney Hsia, Hsin-Fang Wu, Rui-Lin Huang, Chi-Shiun Chiang, Jane Wang, Tsai-Te Lu,* Yunching Chen* "CXCR4-targeted nitric oxide nanoparticles deliver PD-L1 siRNA for immunotherapy against glioblastoma" ***J. Control. Release*** **2022**, 352, 920-930. (SCI IF 11.467; ranking 12/279 = 4.3%, Pharmacology & Pharmacy; ranking 22/179 = 12.3%, Chemistry, Multidisciplinary).

11. Hsi-Chien Huang, Yun-Chieh Sung, Chung-Pin Li, Dehui Wan, Po-Han Chao, Bo-Wen Liao, Hui-Teng Cheng, Fu-Fei Hsu, Chieh-Cheng Huang, Yu-Hui Liao, Hsin Tzu Hsieh, Yu-Chuan Shih, I-Ju Liu, Han-Chung Wu, **Tsai-Te Lu*,** Jane Wang*, Yunching Chen* "Reversal of Pancreatic Desmoplasia by a Tumor Stroma-targeted Nitric Oxide Nanogel Overcomes TRAIL Resistance in Pancreatic Tumors" ***Gut*** **2022**, 71, 1843-1855. (SCI IF 31.795; ranking 4/93 = 4.3%, Gastroenterology & Hepatology).

12. Chia-Yi Lee, Tsai-Te Lu, Yaa-Jyuhn James Meir, Kuan-Jen Chen, Chun-Fu Liu, Chao-Min Cheng, Hung-Chi Chen* "Refractive Changes Following Premature Posterior Capsulotomy Using Neodymium:Yttrium–Aluminum–Garnet Laser" ***J. Pers. Med.*** **2022**, *12*, 272. (SCI IF 3.508; ranking 42/109 = 38.5%, Health Care Sciences & Services).

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13. Chieh-Wei Chung, Bo-Wen Liao, Shu-Wei Huang, Show-Jen Chiou, Cheng-Han Chang, Sheng-Ju Lin, Bo-Hao Chen, Wei-Ling Liu, Shang-Hsiu Hu, Yu-Chun Chuang, Chia-Her Lin, I-Jui Hsu, Chao-Min Cheng, Chieh-Cheng Huang, **Tsai-Te Lu*** "Magnetic-Responsive Release of Nitric Oxide from a MOF-derived Fe_3O_4@PLGA Microsphere for the Treatment of Bacteria-Infected Cutaneous Wound" ***ACS Appl. Mater. Inter.* 2022**, *14*, 6343-6357. (SCI IF 10.383; ranking 49/345 = 14.2%, Materials Science, Multidisciplinary)

14. Yong-Huei Hong, Manmath Narwane, Lawrence Yu-Min Liu, Yi-Da Huang, Yu-Hsiang Chang, Cheng-Ru Wu, Hsi-Chien Huang, I-Jui Hsu, Ling-Yun Cheng, Liang-Yi Wu, Yu-Lun Chueh, Yunching Chen, Chia-Her Lin, **Tsai-Te Lu*** "Enhanced Oral NO Delivery through Bioinorganic Engineering of Acid-sensitive Prodrug into a Transformer-like DNIC@MOF Microrod" ***ACS Appl. Mater. Inter.* 2022**, *14*, 3849-3863. (SCI IF 10.383; ranking 49/345 = 14.2%, Materials Science, Multidisciplinary)

15. Yi-Jen Hsueh, Yaa-Jyuhn James Meir, Jui-Yang Lai, Chieh-Cheng Huang, Tsai-Te Lu, David Hui-Kang Ma, Chao-Min Cheng, Wei-Chi Wu, Hung-Chi Chen* "Ascorbic acid ameliorates corneal endothelial dysfunction and enhances cell proliferation via the noncanonical GLUT1-ERK axis" ***Biomed. Pharmacother.* 2021**, *144*, 112306. (SCI IF 7.419; ranking 26/279 = 9.3%, Pharmacology & Pharmacy).

16. Cheng-Ru Wu, Yi-Da Huang, Yong-Huei Hong, Ya-Hsin Liu, Manmath Narwane, Yu-Hsiang Chang, Trinh Kieu Dinh, Hsin-Tzu Hsieh, Yi-Jen Hseuh, Ping-Ching Wu, Chih-Wen Pao, Ting-Shan Chan, I-Jui Hsu, Yunching Chen, Hung-Chi Chen,* Ting-Yu Chin,* **Tsai-Te Lu*** "Endogenous Conjugation of Biomimetic Dinitrosyl Iron Complex with Protein Vehicles for Oral Delivery of Nitric Oxide to Brain and Activation of Hippocampal Neurogenesis" ***JACS Au* 2021**, *1*, 998-1013. (SCI IF 8.0; ranking 27/230 = 11.7%, Chemistry, Multidisciplinary)

17. Min-Hsuan Fang, Shiuan-Yau Wu, Yu-Hsiang Chang, Manmath Narwane, Bo-Hao Chen, Wei-Ling Liu, Darwin Kurniawan, Wei-Hung Chiang, Chia-Her Lin, Yu-Chun Chuang, I-Jui Hsu, Hsin-Tsung Chen*, **Tsai-Te Lu*** "Mechanistic Insight into the Synergetic Interaction of Ammonia Borane and Water on ZIF-67-Derived Co@Porous Carbon for Controlled Generation of Dihydrogen" ***ACS Appl. Mater. Inter.* 2021**, *13*, 47465-47477. (SCI IF 10.383; ranking 49/345 = 14.2%, Materials Science, Multidisciplinary).

18. Yu-Chieh Chen, Yi-Hong Chen, Han Chiu, Yi-Hsuan Ko, Ruei-Ting Wang, Wei-Ping Wang, Yung-Jen Chuang, Chieh-Cheng Huang,* **Tsai-Te Lu*** "Cell-Penetrating Delivery of Nitric Oxide by Biocompatible Dinitrosyl Iron Complex and Its Dermato-Physiological Implications" ***Int. J. Mol. Sci.* 2021**, *22*, 10101. (SCI IF 6.208; ranking 69/297 = 23.3%, Biochemistry & Molecular Biology;

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Invited Article in special issue: Physico-Chemistry of Dinitrosyl Iron Complexes as a Determinant of Their Biological Activity).

19. Chi-Yen Tung, Yu-Ting Tseng, **Tsai-Te Lu*,** Wen-Feng Liaw* "Insight into the Electronic Structure of Biomimetic Dinitrosyliron Complexes (DNICs): Toward the Syntheses of Amido-Bridging Dinuclear DNICs" ***Inorg. Chem.* 2021**, *60*, 15846-15873. (SCI IF 5.436; ranking 5/46 = 10.9%, Chemistry, Inorganic & Nuclear; Invited Review Article in special Forum: Renaissance in NO Chemistry).

20. Chih-Chieh Yu, Ferng-Chang Chang, Yong-Huei Hong, Jian-Chiuan Li, Po-Lin Chen, Chun-Hong Chen, Tzai-Wen Chiu, **Tsai-Te Lu,** Yun-Ming Wang, Chih-Fei Kao* "Assessing the cognitive status of *Drosophila* by the value-based feeding decision" ***NPJ Aging Mech. Disease* 2021**, *7*, https://doi.org/10.1038/s41514-021-00075-6.

21. Joshua Santos, Mark Tristan Quimque, Rhenz Alfred Liman, Jay Carl Agbay, Allan Patrick G. Macabeo, Mary Jho-Anne Corpuz, Yun-Ming Wang, **Tsai-Te Lu,** Chia-Her Lin, Oliver B. Villaflores* "Computational and Experimental Assessments of Magnolol as a Neuroprotective Agent and Utilization of UiO-66(Zr) as Its Drug Delivery System" ***ACS Omega.* 2021**, *6*, 24382-24396. (SCI IF 4.132; ranking 73/179 = 40.8%, Chemistry, Multidisciplinary).

22. Yu-Ting Tseng, Wei-Min Ching, Wen-Feng Liaw,* **Tsai-Te Lu*** "Dinitrosyl Iron Complex [K-18-crown-6-ether][$(NO)_2Fe(^{Me}PyrCO_2)$]: Intermediate for Capture and Reduction of Carbon Dioxide." ***Angew. Chem.* 2020**, *59*, 11819-11823. (SCI IF 16.823; ranking 15/180 = 8.3%, Chemistry, Multidisciplinary).

23. Shan Lu, Tzung-Wen Chiou,* Wei-Liang Li, Chun-Chieh Wang, Yun-Ming Wang, Way-Zen Lee, **Tsai-Te Lu***, Wen-Feng Liaw* "Dinitrosyl Iron Complex [$(PMDTA)Fe(NO)_2$]: Intermediate for Nitric Oxide Monooxygenation Activity in Non-Heme Iron Complex" ***Inorg. Chem.* 2020**, *59*, 8308-8319. (SCI IF 5.436; ranking 5/46 = 10.9%, Chemistry, Inorganic & Nuclear).

24. Chih-Chun Chang, Trinh Kieu Dinh, Yi-An Lee, Fu-Nien Wang, Yun-Chieh Sung, Pei-Lun Yu, Shao-Chieh Chiu, Yu-Chuan Shih, Cheng-Yun Wu, Yi-Da Huang, Jane Wang, **Tsai-Te Lu**, Dehui Wan, and Yunching Chen* "Nanoparticle Delivery of MnO_2 and Anti-angiogenic Therapy to Overcome Hypoxia-Driven Tumor Escape and Suppress Hepatocellular Carcinoma" ***ACS Appl. Mater. Inter.* 2020**, *12*, 44407-44419. (SCI IF 10.383; ranking 49/345 = 14.2%, Materials Science, Multidisciplinary).

25. Joshua H. Santos, Mark Tristan J. Quimque, Allan Patrick G. Macabeo, Mary Jho-Anne T. Corpuz, Yun-Ming Wang, **Tsai-Te Lu**, Chia-Her Lin, Oliver B. Villaflores* "Enhanced Oral Bioavailability

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of the Pharmacologically Active Lignin Magnolol via Zr-Based Metal Organic Framework Impregnation." ***Pharmaceutics*** **2020**, *12*, 437. (SCI IF 6.525; ranking 39/279 = 13.4%, Pharmacology & Pharmacy).

26. Yi-Jen Hsueh, Yaa-Jyuhn James Meir, Lung-Kun Yeh, Tze-Kai Wang, Chieh-Cheng Huang, **Tsai-Te Lu**, Chao-Min Cheng, Wei-Chi Wu, Hung-Chi Chen* "Topical Ascorbic Acid Ameliorates Oxidative Stress-Induced Corneal Endothelial Damage via Suppression of Apoptosis and Autophagic Flux Blockage." ***Cells*** **2020**, *9*, 943. (SCI IF 7.666; ranking 51/195 = 26.2%, Cell Biology).

27. Yi-Jen Hsueh, Yaa-Jyuhn James Meir, Jui-Yang Lai, Hung-Chi Chen*, David Hui-Kang Ma, Chieh-Cheng Huang, **Tsai-Te Lu**, Chao-Min Cheng, Wei-Chi Wu "Lysophosphatidic acid improves corneal endothelial density in tissue culture by stimulating stromal secretion of interleukin-1β" ***J. Cell Mol. Med.*** **2020**, *24*, 6596-6608. (SCI IF 5.31; ranking 44/140 = 31.4%, Medicine, Research & Experimental).

28. Fang-Chi Hsiao, Hung-Ta Chen, Kuan-Jen Chen, Yi-Jen Hsueh, Yaa-Jyuhn James Meir, **Tsai-Te Lu**, Chao-Min Cheng, Wei-Chi Wu, Hung-Chi Chen* "Accelerated corneal endothelial cell loss in two patients with granulomatosis with polyangiitis following phacoemulsification" ***BMC Ophthalmology*** **2020**, *20*, 480. (SCI IF 2.209; ranking 40/62 = 64.5%, Ophthalmology).

29. Yun-Chieh Sung, Pei-Ru Jin, Li-An Chu, Fu-Fei Hsu, Mei-Ren Wang, Chih-Chun Chang, Show-Jen Chiou, Jiantai Timothy Qiu, Dong-Yu Gao, Chu-Chi Lin, Yu-Sing Chen, Yi-Chiung Hsu, Jane Wang, Fu-Nien Wang, Pei-Lun Yu, Ann-Shyn Chiang, Anthony Yan-Tang Wu, John Jun-Sheng Ko, Charles Pin-Kuang Lai, **Tsai-Te Lu***, Yunching Chen* "Delivery of nitric oxide with a nanocarrier promotes tumour vessel normalization and potentiates anti-cancer therapies" ***Nat. Nanotechnol.*** **2019**, *14*, 1160-1169. (SCI IF 40.523; ranking 6/346 = 1.7%, Materials Science, Multidisciplinary).

30. Yu-Jen Chen, Shou-Cheng Wu, Hsiang-Ching Wang, Tung-Ho Wu, Shyng-Shiou F. Yuan,* **Tsai-Te Lu***, Wen-Feng Liaw,* Yun-Ming Wang* "Activation of Angiogenesis and Wound Healing in Diabetic Mice Using NO-Delivery Dinitrosyl Iron Complexes" ***Mol. Pharmaceutics*** **2019**, *16*, 4241-4251. (SCI IF 5.364; ranking 65/279 = 23.3%, Pharmacology & Pharmacy).

31. Hui-Yi Hsiao, Chieh-Wei Chung, Joshua H. Santos, Oliver B. Villaflores, **Tsai-Te Lu*** "Fe in Biosynthesis, Translocation, and Signal Transduction of NO: Toward Bioinorganic Engineering of Dinitrosyl Iron Complexes into NO-delivery Scaffolds for Tissue Engineering" ***Dalton Trans.*** **2019**, *48*, 9431-9453. (SCI IF 4.569; ranking 7/46 = 15.2%, Chemistry, Inorganic & Nuclear; Invited Review Article in themed issue: d Block Chemistry).

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32. Huang-Chia Huang, Wei-Min Ching, Yu-Ting Tseng, Chien-Hong Chen*, **Tsai-Te Lu*** "Transformation of Hydride-Containing Dinitrosyl Iron Complex $[(NO)_2Fe(\eta^2\text{-}BH_4)]^-$ into $[(NO)_2Fe(\eta^3\text{-}HCS_2)]^-$ via Reaction with CS_2" ***Dalton Trans.*** **2019**, *48*, 5897-5902. (SCI IF 4.569; ranking 7/46 = 15.2%, Chemistry, Inorganic & Nuclear; Invited Article in themed collection: Bioinspired reactivity and coordination chemistry).

33. Szu-Liang Cho, Cheng-Jhe Liao, **Tsai-Te Lu*** "Synthetic methodology for preparation of dinitrosyl iron complexes" ***J. Biol. Inorg. Chem.*** **2019**, *24*, 495-515. (SCI IF 3.862; ranking 11/46 = 23.9%, Chemistry, Inorganic & Nuclear; Invited Review Article in themed collection: 9th Asian Biological Inorganic Chemistry (AsBIC-9) Conference Special Issue).

34. **Tsai-Te Lu***, Yun-Ming Wang,* Chen-Hsiung Hung,* Show-Jen Chiou,* Wen-Feng Liaw* "Bioinorganic Chemistry of the Natural $[Fe(NO)_2]$ Motif: Evolution of a Functional Model for NO-Related Biomedical Application and Revolutionary Development of a Translational Model" ***Inorg. Chem.*** **2018**, *57*, 12425-12443. (SCI IF 5.436; ranking 5/46 = 10.9%, Chemistry, Inorganic & Nuclear; Invited Viewpoint Article).

35. Hsiao-Wen Huang, Yen-Hung Lin, Min-Hsuan Lin, Ya-Rong Huang, Chih-Hung Chou, Hsiao-Chin Hong, Mei-Ren Wang, Yu-Ting Tseng, Po-Chun Liao, Min-Chuan Chung, Yu-Jie Ma, Shou-Cheng Wu, Yung-Jen Chuang,* Horng-Dar Wang,* Yun-Ming Wang,* Hsien-Da Huang,* **Tsai-Te Lu***, Wen-Feng Liaw* "Extension of C. elegans lifespan using the ·NO-delivery dinitrosyl iron complexes" ***J. Biol. Inorg. Chem.*** **2018**, *23*, 775-784. (SCI IF 3.862; ranking 11/46 = 23.9%, Chemistry, Inorganic & Nuclear).

E. PATENTS

1. Tsai-Te Lu, Cheng-Ru Wu. "ORAL PHARMACEUTICAL COMPOSITION AND METHOD FOR DELIVERING NITRIC OXIDE TO A PATIENT'S CIRCULATORY" US Patent Under application.

2. 魯才德、吳承儒。"用於口服之醫藥組成物以及醫藥組成物用於製備將一氧化氮傳遞至患者的循環系統或大腦之口服藥劑之用途" 中華民國專利申請中

3. Tsai-Te Lu, Chieh-Cheng Huang, Han Chiu, Wei-Ping Wang, Rui-Ting Wang, Yi-Chieh Lai. "EXTERNAL DERMAL AGENT AND USE OF DINITROSYL IRON COMPLEX FOR PREPARING EXTERNAL DERMAL AGENT" Under application.

4. 魯才德、黃玠誠、邱涵、王蔚平、王瑞婷、賴怡倩。"皮膚外用組成物以及雙亞硝基鐵錯合物用於製備美化皮膚的皮膚外用組成物之用途" 中華民國專利 I786820

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5. Tsai-Te Lu, Yu-Ting Tseng, Tzu-Chieh Yu, Wen-Feng Liaw. "PYRAZOLE METAL COMPLEX FOR ABSORBING CARBON DIOXIDE, METHOD FOR PREPARING PYRAZOLE METAL COMPLEX, AND METHOD FOR ABSORPTION OF CARBON DIOXIDE" US Patent Under application.
6. 魯才德、曾宇霆、游子頡、廖文峰。"用於吸附二氧化碳之吡唑金屬化合物、其製備方法、及吸附二氧化碳之方法" 中華民國專利 I785701
7. Yun-Ching Chen, Tsai-Te Lu, Yun-Chieh Sung "NANOPARTICLE, PREPARATION PROCESS AND USES THEREOF" US Patent App. 16/909,134
8. 陳韻晶、魯才德、宋雲傑。"奈米粒子及其製備方法與用途" 中華民國專利 TWI772766B
9. Tsai-Te Lu, Hsiao-Wen Huang, Chia-Her Lin, Yu-Ting Tseng, Wen-Feng Liaw, Hsi-Ya Huang, Show-Jen Chiou "DINITROSYL IRON COMPLEX, PHARMACEUTICAL COMPOSITION COMPRISING THE SAME, COMPOSITE MATERIAL COMPRISING THE SAME, AND USES THEREOF" US 10,538,545 B2.
10. 魯才德、黃小紋、林嘉和、曾宇霆、廖文峯、黃悉雅、邱秀貞。" 雙亞硝基鐵錯合物、包含該錯合物之藥學組合物或複合材料及其用途" 中華民國專利 I666214