

沈祐民 著作目錄

期刊論文

1. Hsin-An Lin, Sheng-Chang Wang, Jow-Lay Huang, **Yu-Min Shen***, and Wen-Hui (Sophia) Cheng* (2025, Dec). Engineering Doping and Vacancy in C_3N_4 Electrocatalyst with Ni_4Mo Cocatalyst for Efficient Alkaline Hydrogen Evolution. *ACS Omega*. (Accepted). 本人為通訊作者.
2. Yu-Chin Shen, Chun-Chi Chang, Dipti R Sahu, Wen-Huei Chu, Chi-Liang Chen, Wei-Nien Su, Jow-Lay Huang, Sheng-Chang Wang , **Yu-Min Shen*** (2025, Nov). Structural evolution and Electrocatalytic Mechanism of Bimetallic NickelMolybdenum/g- C_3N_4 Composites in Alkaline Hydrogen Evolution Reaction: XAS and Operando TEM Study. *International Journal of Hydrogen Energy*, 190 (2025) 152249. MOST 110-2222-E-006-001. 本人為通訊作者. <https://doi.org/10.1016/j.ijhydene.2025.152249>.
3. Jyun-Siang Wang; Guan-Bo Liao; Zhen Chong; Cheng-Hsun Ho; Po-Chia Huang; Jow-Lay Huang; Chia-Chin Chang; Dipti R. Sahu; **Yu-Min Shen*** (2025, Jul). Carbon-coated nonstoichiometric TiO_x for application of Li-ion battery anodes in fast charging-in situ XRD study. *Journal of Electroanalytical Chemistry*, 988 (2025) 119127. NSTC 110-2222-E-006-001. 本人為通訊作者. <https://doi.org/10.1016/j.jelechem.2025.119127>.
4. Cheng-Hsun Ho, Cheng-Yo Tsai, Jow-Lay Huang, Chia-Chin Chang, Dipti R. Sahu, **Yu-Min Shen*** (2025, Apr). Improved SnO_2 Modified TiO_2 as Anode Material for Lithium-ion Battery: Cyclic Stability and Electrochemical lithiation study. *Materials Science in Semiconductor Processing*, 194 (2025) 109569. NSTC 110-2222-E-006-001. 本人為通訊作者. <https://doi.org/10.1016/j.mssp.2025.109569>.
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6. Hsing-I Hsiang, Hung-Yi Lin, Sanjaya Brahma, **Yu-Min Shen*** (2025, Jan). Electrochemical etching of the $CuIn_{0.7}Ga_{0.3}Se_2$ absorber films prepared by non-vacuum process. *Journal of Alloys and Compounds*, 1010 (2025) 177995. 教育部：Higher Education Sprout Project. 本人為通訊作者. <https://doi.org/10.1016/j.jallcom.2024.177995>.

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9. Chiao-Yu, Cheng, **Yu-Min Shen** (本人為共同第一作者), Wei-Hsiang Huang, Chun-Chi Chang, Chang-Chih Tsai, Chin-Jung Lin, Yan-Gu Lin, Ying-Jui Lu, Chung-Li Dong, Wei-Nien Su, Shih-Yun Chen, Krishna Kumar, Han-Yi, Chen, Cho-Jen Tsai, Chi-Liang Chen* (2024, Aug). Electronic and Atomic Structural Properties Associated with Enhanced Photodegradation Activity in Mo-Doped TiO₂ Nanoparticles. *Langmuir*, 2024, 40, 19506-19516. NSTC 109-2112-M-213-012. 本人為第一作者. <https://doi.org/10.1021/acs.langmuir.4c01946> 獲選 Langmuir 期刊 Supplementary Cover .
10. **Yu-Min Shen**, Mu-Chien Len, Hsing-I Hsiang (2024, Mar). Impact of calcination on low-temperature sintered Bi₂O₃ varistor: varistor properties and surge current absorption. *Journal of Alloys and compounds*, 985 (2024) 174084. NSTC 112-2221-E-006-063-MY3. 本人為第一作者. doi:10.1016/j.jallcom.2024.174084.
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15. Yu-Min Shen, Hsing-I Hsiang (2021, Oct). Effects of the sodium ions addition on the varistor properties of ZnO–Co₃O₄–Pr₆O₁₁ ceramics. *Journal of Materials Science: Materials in Electronics*, J Mater Sci: Mater Electron (2021) 32:28935–28941. MOST 110-2622-8-006-017-SB. 本人為第一作者。 <https://doi.org/10.1007/s10854-021-07279-2>.
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