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Publications

PUBLICATIONS

- **CO₂ Oxidative Ethane Dehydrogenation on CeO₂/SiO₂-Supported NiFe₃ Catalysts** *CHEMCATCHEM*
Spurlock, R., Erdem, E., Lee, S., Chen, J., Gallo, A., Nielander, A. C., Jaramillo, T. F.
2025
- **Enhancing the low-temperature performance of Pt-based three-way catalysts using CeO₂(core)@ZrO₂(shell) supports** *CATALYSIS SCIENCE & TECHNOLOGY*
Liu, C., Chen, J., Raffaele, P. R., Lance, M. J., Concolino, J., Khatri, P., Mon, T., Toops, T. J., Shestopalov, A. A., Kyriakidou, E. A.
2025
- **Methane oxidation in palladium/zeolite catalysts: Facilitating palladium oxide formation and elucidating the reaction mechanism** *CATALYSIS REVIEWS-SCIENCE AND ENGINEERING*
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2025
- **Structural Transformation and Degradation of Cu Oxide Nanocatalysts during Electrochemical CO₂ Reduction.** *Journal of the American Chemical Society*
Lee, S. H., Avilés Acosta, J. E., Lee, D., Larson, D. M., Li, H., Chen, J., Lee, J., Erdem, E., Lee, D. U., Blair, S. J., Gallo, A., Zheng, H., Nielander, et al
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2024
- **Condition-dependent NO_x adsorption/desorption over Pd/BEA: A combined microreactor and in situ DRIFTS study** *AICHE JOURNAL*
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2024
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- **Mechanistic Insights into Aldehyde Production from Electrochemical CO₂ Reduction on CuAg Alloy via Operando X-ray Measurements** *ACS CATALYSIS*

- Qiao, Y., Kastlunger, G., Davis, R. C., Rodriguez, C., Vishart, A., Deng, W., Xu, Q., Li, S., Benedek, P., Chen, J., Schro"der, J., Perryman, J., Lee, et al
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- **Ni/CeO₂ Nanocatalysts with Optimized CeO₂ Support Morphologies for CH₄ Oxidation** *ACS APPLIED NANO MATERIALS*
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