

Publications

Khan, M. E. I., Cassini, T. L., Petrini, M., & Palmieri, A. (2024). Synthesis of 3, 5-disubstituted isoxazoles by domino reductive Nef reaction/cyclization of β -nitroenones. *Organic & Biomolecular Chemistry*, 22(16), 3299-3303.

Khan, M. E. I., Ashfaq, M., Tahir, M. N., Munawar, K. S., Ayub, K., Nawaz, F., ... & Husnain, K. (2024). Synthesis, Characterization, Single Crystal XRD, Solid State Assembly Inspection by Hirshfeld Surface Analysis, and Theoretical Studies of Pb (II) complex with Thiourea Derivative. *Journal of Molecular Structure*, 1304, 137689.

Ali, R. S. A. E., Meng, J., **Khan, M. E. I.**, & Jiang, X. (2024). Machine learning advancements in organic synthesis: A focused exploration of artificial intelligence applications in chemistry. *Artificial Intelligence Chemistry*, 2(1), 100049.

Khan, M. E. I., Yuan, L., Petrini, M., & Palmieri, A. (2023). A New One-Pot Synthesis of 3, 6-Disubstituted Pyridazines Starting from β -Nitro- β , γ -Unsaturated Ketones. *Synthesis*, 55(19), 3204-3208.

Yuan, L., Kachalova, L., **Khan, M. E. I.**, Ballini, R., Petrini, M., & Palmieri, A. (2023). Overcoming the Usual Reactivity of β -Nitroenones: Synthesis of Polyfunctionalized Homoallylic Alcohols and Conjugated Nitrotriene Systems. *The Journal of Organic Chemistry*, 88(7), 4770-4777.

Khan, M. E. I., Di Terlizzi, L., Protti, S., & Palmieri, A. (2022). Visible-Light-Driven Photocatalyst-Free Preparation of (Z) β -Nitroacrylate Isomers. *European Journal of Organic Chemistry*, 2022(26), e202200635.

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