

# Walid Elgaher

## List of selected publications

(as of November 2021)

Jumde, R. P.; Guardigni, M.; Gierse, R. M.; Alhayek, A.; Zhu, D.; Hamed, Z.; Johannsen, S.; **Elgaher, W. A. M.**; Neusens, P. J.; Nehls, C.; Hauptenthal, J.; Reiling, N.; Hirsch, A. K. H. Hit-optimization using target-directed dynamic combinatorial chemistry: development of inhibitors of the anti-infective target 1-deoxy-D-xylulose-5-phosphate synthase, *Chem. Sci.* 2021, 12, 7775–7785.

**Elgaher, W. A. M.**; Hamed, M. M.; Baumann, S.; Herrmann, J.; Siebenbürger, L.; Krull, J.; Cirnski, K.; Kirschning, A.; Brönstrup, M.; Müller, R.; Hartmann, R. W. Cystobactamid 507: Concise synthesis, mode of action and optimization toward more potent antibiotics, *Chem. Eur. J.* 2020, 26, 7219–7225.

Lababidi, N.; Kissi, E. O.; **Elgaher, W. A. M.**; Sigal, V.; Hauptenthal, J.; Hirsch, A. K. H.; Rades, T.; Schneider, M. Spray-drying of inhalable, multifunctional formulations for the treatment of biofilms formed in cystic fibrosis, *J. Control. Release* 2019, 314, 62–71.

Schwarz, D. H.; **Elgaher, W. A. M.**; Hollemeyer, K.; Hirsch, A. K. H.; Wenz, G. Reversible immobilization of a protein to a gold surface through multiple host-guest interactions, *J. Mater. Chem. B* 2019, 7, 6148–6155.

**Elgaher, W. A. M.**; Sharma, K. K.; Hauptenthal, J.; Saladini, F.; Pires, M.; Real, E.; Mély, Y.; Hartmann, R. W. Discovery and structure-based optimization of 2-ureidothiophene-3-carboxylic acids as dual bacterial RNA polymerase and viral reverse transcriptase inhibitors, *J. Med. Chem.* 2016, 59, 7212–7222.