Materials Synthetic Biology: Designer Materials Programmed by Life

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References:

1. X. Wang#, J. Pu#, B. An#, et al. C. Zhong*, Programming cells for dynamic assembly of inorganic nano-objects with spatiotemporal control. ***Advanced Materials 2018***, 30, 1705968 (Inside back cover feature)

2. J. Huang#, S. Liu#, C. Zhang#, et al., C. Zhong*, Programmable and Printable Bacillus subtilis Biofilms as Engineered Living Materials. ***Nature Chemical Biology 2019***, 15, 34–41.

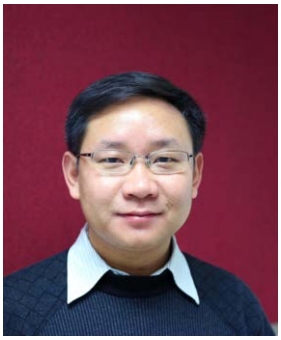
3. M K. Cui et al. and C. Zhong*, Exploiting mammalian low complexity domains for liquid-liquid phase separation driven underwater adhesive coatings. ***Science Advances 2019***, 5(8), eaax3155.

4. C. Zhang#, J. Huang#, J. Zhang#, et al., C. Zhong*, Engineered *Bacillus subtilis* biofilms as living glues, ***Materials Today 2019***, 28, 40-48.

5. B. An#, Y. Y. Wang#, et al., C. Zhong*, Programming living cellular systems to perform mechanical operations. ***Matter 2020*** *(In Press).*

6. Y. Y. Wang#, B. An#, et al., C. Zhong* Living materials fabricated via gradient mineralization of light-induced biofilms. ***Nature Chemical Biology 2020*** *(In press).*

7. Zijay Tang#, B. An#, et al., Timothy K. Lu*, and C. Zhong*, *Material design by synthetic biology.* ***Nature Review Materials 2020*** *(In press).*



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