

From Visionary Tale to Application The Bright and Dark Side of Photo-Biocatalysis

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Propositions

1. Retraction of a publication without jeopardizing one's career should not be a privilege of Nobel prize winners.
I. Cho, Z.-J. Jia, F. H. Arnold, *Science*, **2019**, 364, 6440, 575-578.
2. Literature is helpful if you are skilled in reading in-between the lines
I. Bassanini, E.E Ferrandi, M. Vanoni, G. Ottolina, S. Riva, M. Crotti, E. Brenna, and D. Monti, *Eur. J. Org. Chem.*, **2017**: 7186-7189.
3. Oxygen is essential for aerobic life, but a nightmare for the reproducibility of anaerobic systems. #glovebox
4. At times, the mind resembles a photocatalyst, light is essential for excitation to a higher energy state: Inconveniently, natural light is strongly limited in the Netherlands.
5. There is no correlation between impact factor and reproducibility of research results.
G. Zadel, C. Eisenbraun, G.-J. Wolff, and E. Breitmaier, *Angew. Chem.*, **1994**, 106, 460-463.
6. The PhD defines its own space-time continuum: A nonspatial continuum that is measured with OUTLIERS in terms of events which succeed one another from past through present to future. The PhD can feel like the past, present and future in a single instance.
7. Chromophoric properties are a blessing in disguise. For instance, they are used to confirm the actual concentration of 5-deazariboflavin in solution.
8. Catalysis experiments should eventually aim at the product in a bottle! A successful and meaningful catalysis project ends with one bottle on the table and another one in the hand.
9. As scientists we aspire to save the world, but often fail with the little things in our daily routine. Turn off the equipment and lights at the end of the day.
10. The complexity of science makes us long for a simple life that gives simple feedback.