





# **Relief of Exctied-State Anti-Aromaticity Drives Photobasicity**

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- Petit, A. J. Phys. Chem. A 2020 124, 2537-2546.
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## Results: A Super-Photobase

. Alamudun, S. F.; Tanovitz, K.; Fajardo, A; Johnson, K.; Pham, A.; Jamshidi Araghi, T.; 2. Alamudun,S. F.; Tanovitz, K.; Lanette, E.; Fajardo, A; Galvan, J.; Petit, A. *J. Phys. Chem.* 

3. Driscoll, E. W.; Hunt, J. R.; Dawlaty, J. M. *J. Phys. Chem. Lett.* 2016 7 (11), 2093-2099. 4. Wen, Z.; Karas, L. J.; Wu, C.-H.;Wu, J. I.-C. *Chem. Commun.*, 2020, 56, 8380. 5. Sheng, W.; Nairat, M.; Pawlaczyk, P. D.; Mroczka, E.; Farris, B.; Pines, E.; Geiger, J. H.;

Borhan, B.; Dantus, M. Angew. Chem. Int. Ed. 2018, 57, 14742.

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