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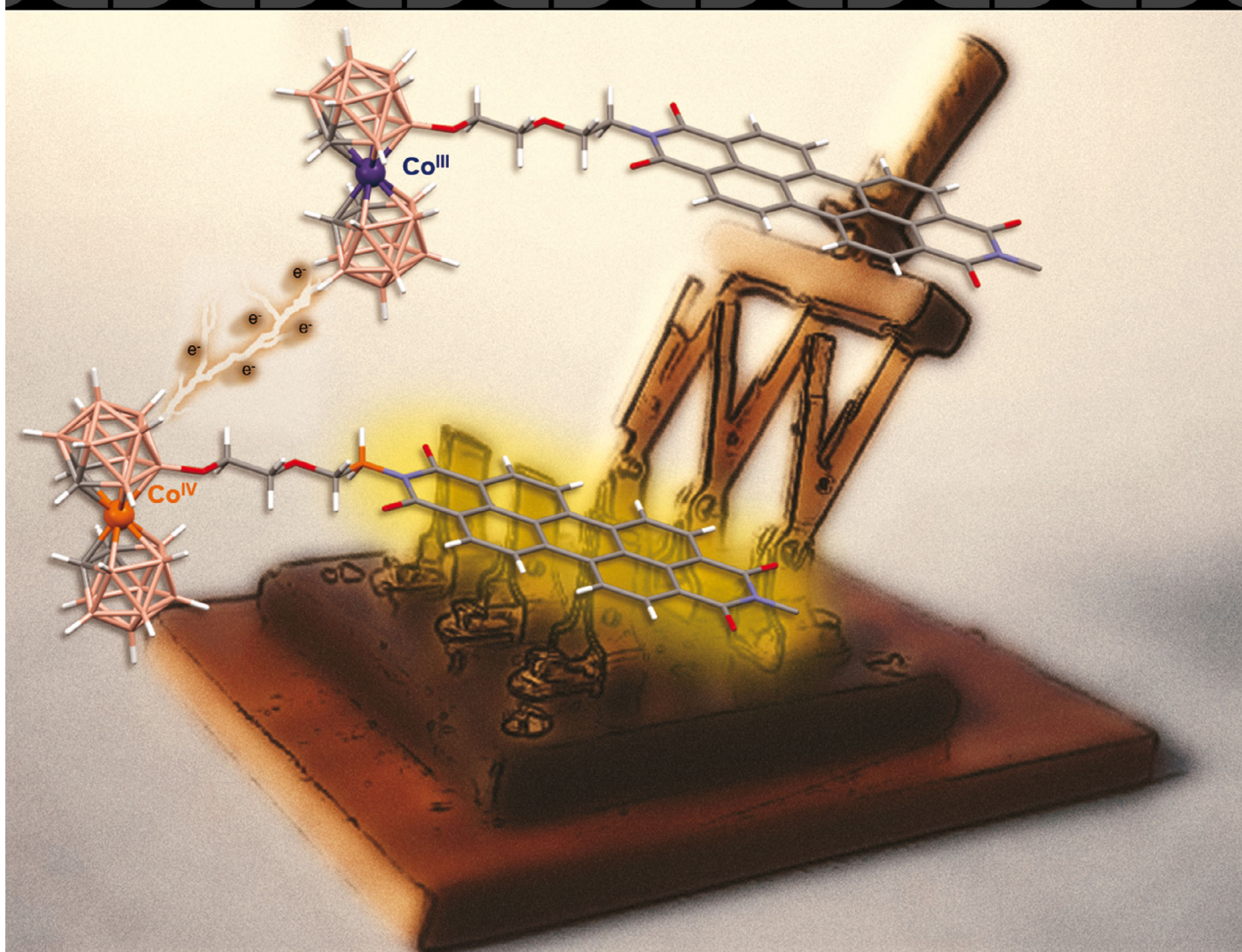
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Cover Feature:

R. Núñez, J. Hernando et al.

Reversibly Switchable Fluorescent Molecular Systems Based on Metallacarborane-Perylene-3,4,9,10-tetracarboxylic Diimide Conjugates



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COVER PICTURE

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Reversibly Switchable Fluorescent Molecular Systems Based on Metallacarborane–Perylene-3,4,9,10- Dione Conjugates



Make it switch: By combining the versatile electrochemical behavior of cobalt-based metallacarboranes with the excellent emission properties of perylene-3,4,9,10-dione, new fluorescent molecular switches were prepared that respond to redox stimuli. These systems not only surpass the performance of previous switches based on other metal complexes, but also allow the preparation of supramolecular fluorescent gels by taking advantage of the self-assembly capabilities of their constituting units. More information can be found in the Full Paper by R. Núñez, J. Hernando, et al. (DOI: 10.1002/chem.202002419).