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Publications prior to URI

h-index: 17 | *citations*: 1300+

Exploiting Zn(II) and Cu(II) fluorescent complexes for enantiomeric excess determination of hydroxycarboxylates.
Sheykhi, S.; Mosca, L.; Pushina, M.; Anzenbacher, P. Jr. *Chem. Commun.* **2020**, 56, 8964–8967.

Cyclotris(paraquat-p-phenylene).

Anamimoghadam, O.; Cooper, J. A.; Nguyen, M. T.; Guo, Q.-H.; Mosca, L.; Roy, I.; Sun, J.; Stern, C. L.; Redfern, L.; Farha, O. K.; Stoddart, J. F. *Angew. Chem. Int. Ed.* **2019**, 58, 13778–13783. **Hot Paper.**

An indicator displacement assay recognizes enantiomers of chiral carboxylates.

Sheykhi, S.; Mosca, L.; Durgala, J. M.; Anzenbacher, P. Jr. *Chem. Commun.* **2019**, 55, 7183–7186.

Controlling dual molecular pumps electrochemically.

Pezzato, C.; Nguyen, M. T.; Kim, D. J.; Anamimoghadam, O.; Mosca, L.; Stoddart, J. F. *Angew. Chem. Int. Ed.* **2018**, 57, 9325–9329.

Toward wearable sensors: optical sensor for detection of ammonium nitrate-based explosives, ANFO and ANNM.

Sheykhi, S.; Mosca, L.; Anzenbacher, P. Jr. *Chem. Commun.* **2017**, 53, 5196–5199.

A tale about simplicity and imagination.

Mosca, L. *Chem.* **2017**, 2, 160–161.

Bowl-shaped Tröger's bases and their recognition properties.

Mosca, L.; Čejka, J.; Dolenský, B.; Havlík, M.; Jakubek, M.; Kaplánek, R.; Král, V.; Anzenbacher, P. Jr.; *Chem. Commun.* **2016**, 52, 10664–10667.

Fluorescent zinc and copper complexes for detection of Adrafinil in paper-based microfluidic devices.

Caglayan, M. G.; Sheykhi, S.; Mosca, L.; Anzenbacher, P., Jr. *Chem. Commun.* **2016**, 52, 8279–8282.

Tetraaryl pyrenes: photophysical properties, computational studies, crystal structures, and application in OLEDs.

El-Assaad, T. H.; Auer, M.; Castañeda, R.; Hallal, K. M.; Jradi, F. M.; Mosca, L.; Khnayzer, R. S.; Patra, D.; Timofeeva, T. V.; Brédas, J.-L.; List-Kratochvil, E. J. W.; Wex, B.; Kaafarani, B. R. *J. Mater. Chem. C* **2015**, 4, 3041–3058.

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Mosca, L.; Karimi Behzad, S.; Anzenbacher, P. Jr. *J. Am. Chem. Soc.* **2015**, 137, 7967–7969.

Sensing of enantiomeric excess in chiral carboxylic acids.

Akdeniz, A.; Mosca, L.; Minami, T.; Anzenbacher, P. Jr. *Chem. Commun.* **2015**, 51, 5770–5773.

Sensing of TNT and 2,4-DNT in the solid state with photo-luminescent Ru(II) and Ir(III) complexes.

Mosca, L.; Khnayzer, R. S.; Lazorski, M. S.; Danilov, E. O.; Castellano, F. N.; Anzenbacher, P. Jr. *Chem. Eur. J.* **2015**, 21, 4056–4064.

First supramolecular sensors for phosphonate anions.

Esipenko, N. A.; Koutník, P.; Minami, T.; Mosca, L.; Lynch, V. M.; Zyryanov, G. V.; Anzenbacher, P. Jr. *Chem. Sci.* **2013**, 4, 3617–3613.

The interaction of fluoride with fluorogenic ureas: An ON¹–OFF–ON² response.

Amendola, V.; Bergamaschi, G.; Boiocchi, M.; Fabbri, L.; Mosca, L. *J. Am. Chem. Soc.* **2013**, 135, 6345–6355.

Host-guest complexes of pentyptcene receptors display edge-to-face interaction.

Mosca, L.; Koutník, P.; Lynch, V. M.; Zyryanov, G. V.; Esipenko, N. A.; Anzenbacher, P. Jr. *Cryst. Growth Des.* **2012**, *12*, 6104–6109.

Iptycene-based fluorescent sensors for nitroaromatics and TNT.

Anzenbacher, P. Jr.; Mosca, L.; Palacios, M. A.; Zyryanov, G. V.; Koutník, P.; *Chem. Eur. J.* **2012**, *18*, 12712–12718.

Moderate and advanced intramolecular proton-transfer in urea-anion hydrogen-bonded complexes.

Baggi, G.; Boiocchi, M.; Fabbrizzi, L.; Mosca, L. *Chem. Eur. J.* **2011**, *17*, 34, 9423–9429.

Urea-, squaramide-, sulfonamide-based anion receptor: a thermodynamic study.

Amendola, V.; Fabbrizzi, L.; Mosca, L.; Schmidtchen, F.-P. *Chem. Eur. J.* **2011**, *17*, 21, 5972–5981.

Anion recognition by hydrogen bonding: urea-based receptors.

Amendola, V.; Fabbrizzi, L.; Mosca, L. *Chem. Soc. Rev.* **2010**, *39*, 3889–3915. **Top ten most accessed review in September 2010:** <http://blogs.rsc.org/cs/2010/11/04/top-ten-most-accessed-articles-in-september/>

Octahedral copper(II) and tetrahedral copper(I) double-strand helicates: chiral self-recognition and redox behavior.

Amendola, V.; Boiocchi, M.; Brega, V.; Fabbrizzi, L.; Mosca, L. *Inorg. Chem.* **2010**, *49*, 997–1007.

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Templated synthesis of copper(II) azacyclam complexes using urea as locking fragment and their metal-enhanced binding tendencies towards anions.

Boiocchi, M.; Fabbrizzi, L.; Garolfi, M.; Licchelli, M.; Mosca, L.; Zanini, C. *Chem. Eur. J.* **2009**, *15*, 11288–11297.

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Amendola, V.; Boiocchi, M.; Fabbrizzi, L.; Mosca, L. *Chem. Eur. J.* **2008**, *14*, 9683–9696.

Other Publications

Optical Probes and Sensors.

Anzenbacher, P. Jr.; Mosca, L.; Chapter 12 in *Supramolecular Chemistry in Water*, pp. 449–499. Edited by Stefan Kubik, John Wiley and sons. ISBN: 978-3-527-34467-3.