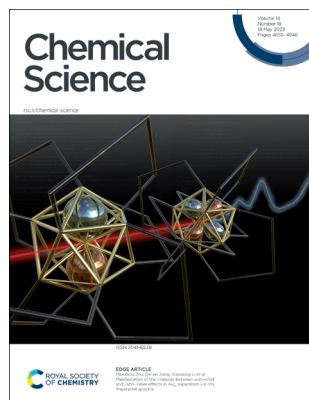
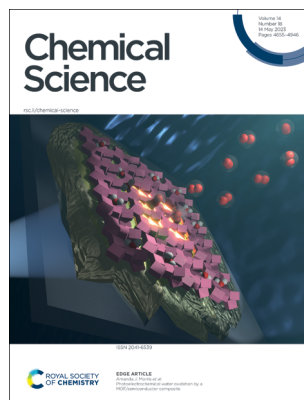


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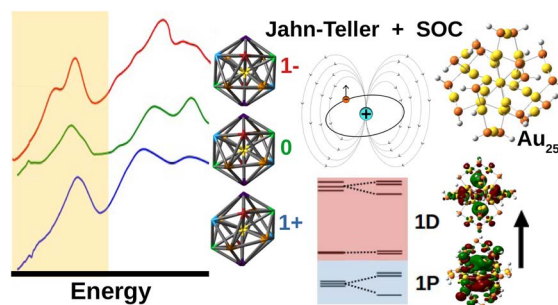
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Manifestation of the interplay between spin-orbit and Jahn-Teller effects in Au₂₅ superatom UV-Vis fingerprint spectra

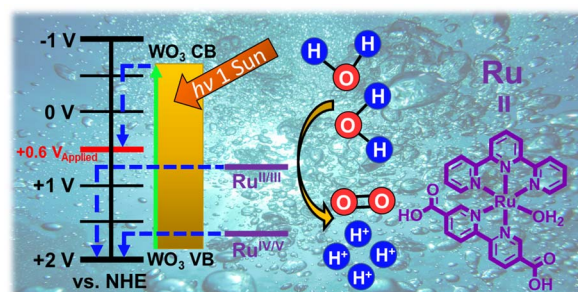
Can Liao, Manzhou Zhu,* De-en Jiang* and Xiaosong Li*



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Photoelectrochemical water oxidation by a MOF/semiconductor composite

Bradley Gibbons, Daniel R. Cairnie, Benjamin Thomas, Xiaozhou Yang, Stefan Ilic and Amanda J. Morris*



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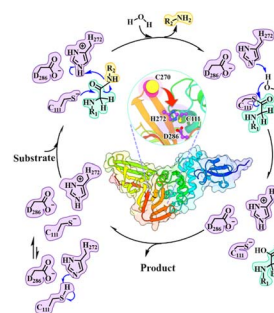
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Unraveling the catalytic mechanism of SARS-CoV-2 papain-like protease with allosteric modulation of C270 mutation using multiscale computational approaches

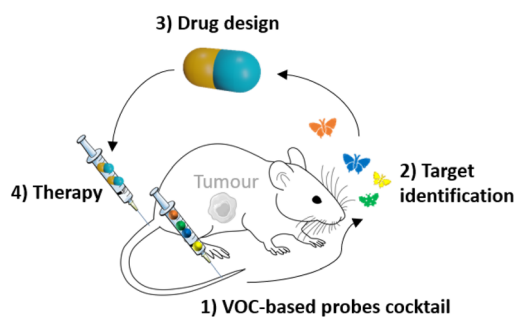
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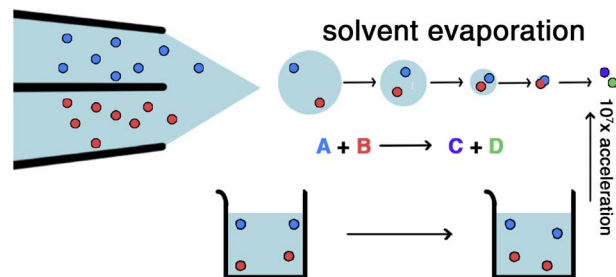
Rémi Châtre, Estelle Blochouse, Rony Eid, Fabiola Djago, Justin Lange, Mehrad Tarighi, Brigitte Renoux, Julien Sobilo, Alain Le Pape, Jonathan Clarhaut, Claude Geffroy, Isabelle Opalinski, Wei Tuo, Sébastien Papot* and Pauline Pointot*



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The role of analyte concentration in accelerated reaction rates in evaporating droplets

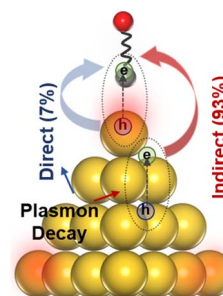
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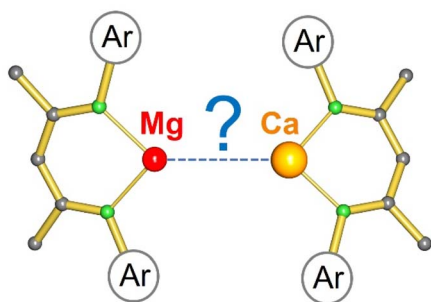
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Molecular dynamics study of plasmon-mediated chemical transformations

Xiaoyan Wu, Tammo van der Heide, Shizheng Wen, Thomas Frauenheim, Sergei Tretiak, ChiYung Yam* and Yu Zhang*



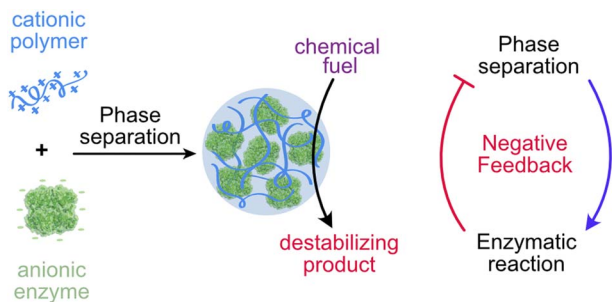
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On the existence of low-valent magnesium–calcium complexes

Jonathan Mai, Bastian Rösch, Neha Patel, Jens Langer and Sjoerd Harder*

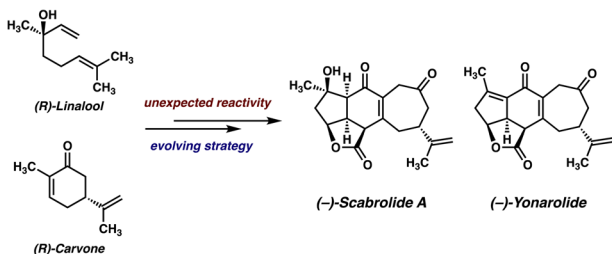
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Designing negative feedback loops in enzymatic coacervate droplets

Nisha Modi, Siwei Chen, Imelda N. A. Adjei, Briana L. Franco, Kyle J. M. Bishop* and Allie C. Obermeyer*

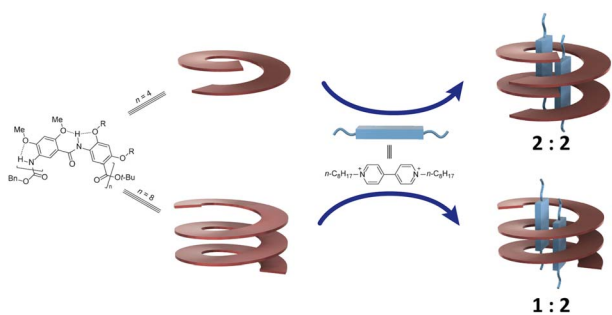
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Nicholas J. Hafeman, Steven A. Loskot, Christopher E. Reimann, Beau P. Pritchett, Scott C. Virgil and Brian M. Stoltz*

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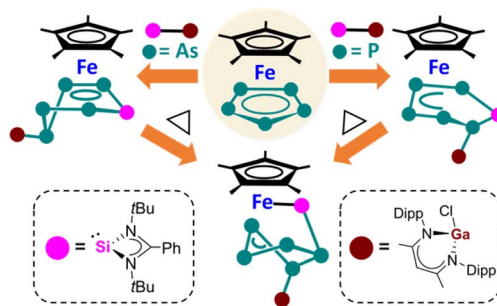
Yulong Zhong, Thomas A. Sobiech, Brice Kauffmann, Bo Song, Xiaopeng Li, Yann Ferrand, Ivan Huc and Bing Gong*



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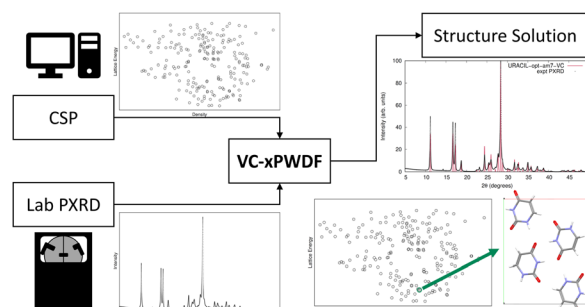
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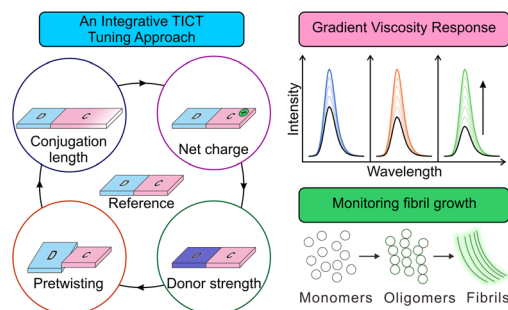
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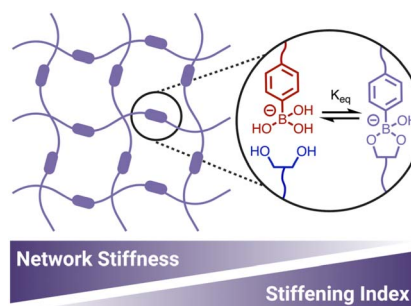
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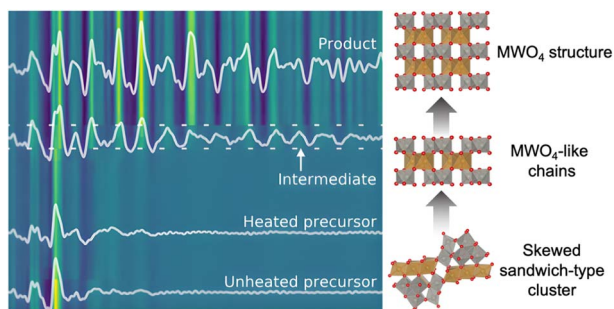
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Biomimetic strain-stiffening in fully synthetic dynamic-covalent hydrogel networks

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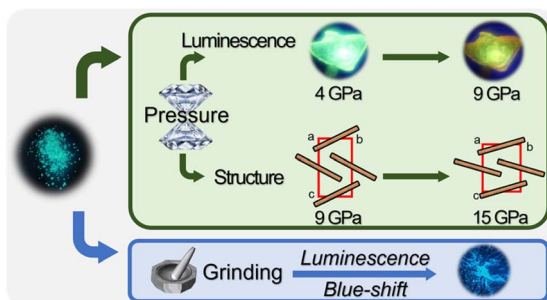
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Atomic structural changes in the formation of transition metal tungstates: the role of polyoxometalate structures in material crystallization

Susanne Linn Skjærvø, Andy S. Anker, Magnus C. Wied, Emil T. S. Kjær, Mikkel Juulsholt, Troels Lindahl Christiansen and Kirsten M. Ø. Jensen*

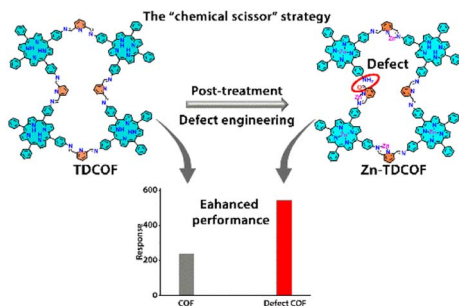
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Multiple responses of 1,6-diphenyl-1,3,5-hexatriene to mechanical stimulation: emission enhancement, piezochromism and negative linear compressibility

Zhiyuan Fu, Zhiqiang Yang, Xinyi Yang, Kai Wang* and Bo Zou*

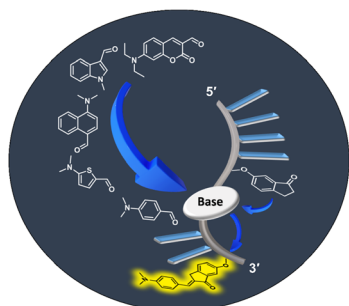
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Dangling bond formation on COF nanosheets for enhancing sensing performances

Yong-Jun Chen, Ming Liu, Jie Chen, Xin Huang, Qiao-Hong Li,* Xiao-Liang Ye, Guan-E. Wang and Gang Xu*

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A modular aldol approach for internal fluorescent molecular rotor chalcone surrogates for DNA biosensing applications

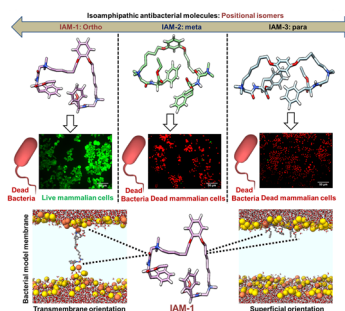
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Isoamphipathic antibacterial molecules regulating activity and toxicity through positional isomerism

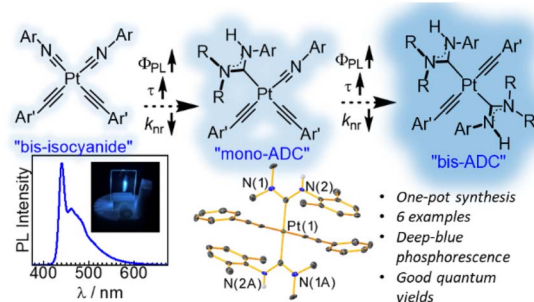
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Efficient blue-phosphorescent *trans*-bis(acyclic diaminocarbene) platinum(II) acetylide complexes

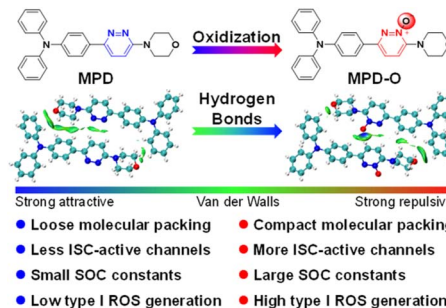
Yennie H. Nguyen, Vinh Q. Dang, João Vitor Soares, Judy I. Wu and Thomas S. Teets*



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Oxidation enhances type I ROS generation of AIE-active zwitterionic photosensitizers for photodynamic killing of drug-resistant bacteria

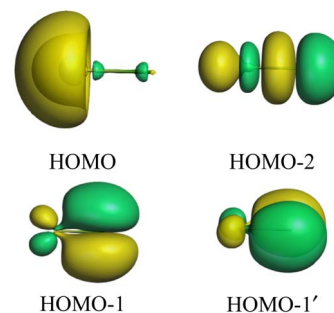
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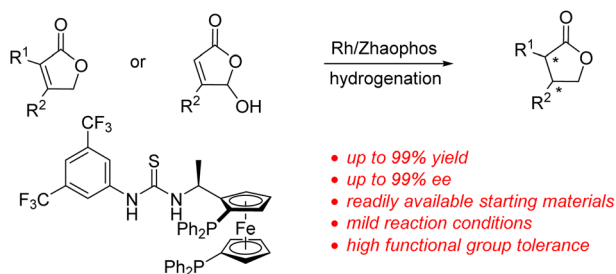
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Genuine quadruple bonds between two main-group atoms. Chemical bonding in AeF^- ($Ae = Be-Ba$) and isoelectronic EF ($E = B-Tl$) and the particular role of d orbitals in covalent interactions of heavier alkaline-earth atoms

Ruiqin Liu, Lei Qin, Zhaoyin Zhang, Lili Zhao,* Filip Sagan, Mariusz Mitoraj* and Gernot Frenking*



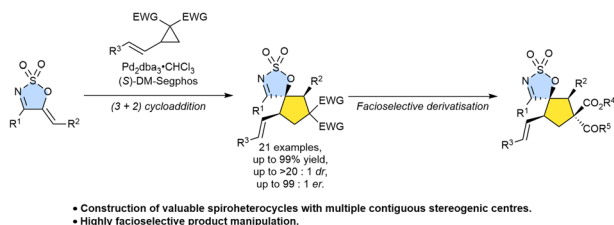
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Facile access to chiral γ -butyrolactones via rhodium-catalysed asymmetric hydrogenation of γ -butenolides and γ -hydroxybutenolides

Yuxuan Zhou, Siyuan Guo, Qiyuan Huang, Qiwei Lang,*
Gen-Qiang Chen* and Xumu Zhang*

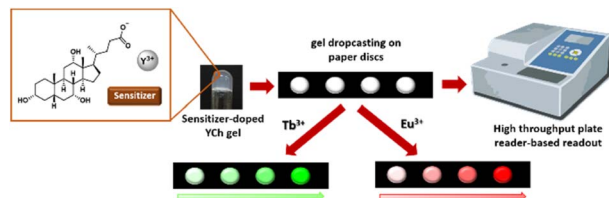
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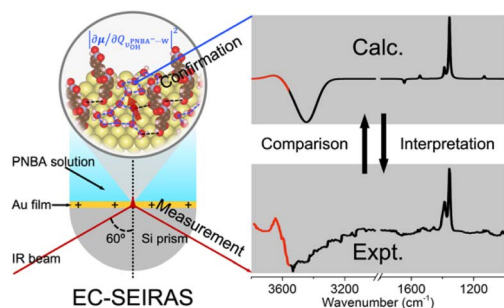
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A photoluminescence assay with a portable device for rapid, sensitive and selective detection of europium and terbium

Dipankar Bhowmik and Uday Maitra*

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Revealing the interfacial water structure on a *p*-nitrobenzoic acid specifically adsorbed Au(111) surface

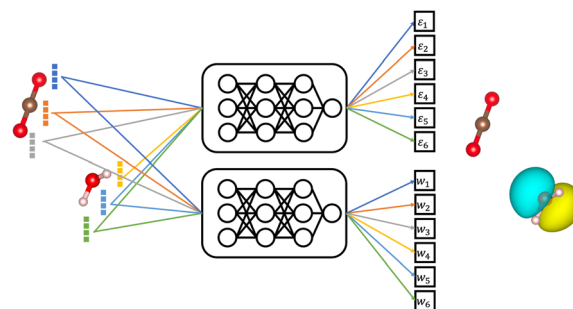
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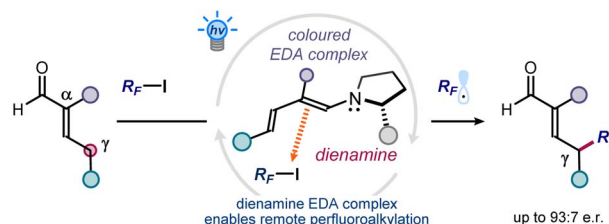
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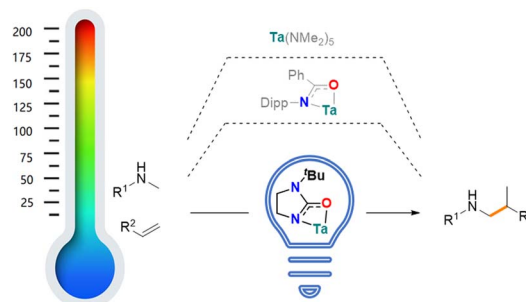
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Tantalum ureate complexes for photocatalytic hydroaminoalkylation

Han Hao, Manfred Manßen and Laurel L. Schafer*



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Mismatched covalent and noncovalent templating leads to large coiled coil-templated macrocycles

Kyla J. Stingley, Benjamin A. Carpenter, Kelsey M. Kean and Marcey L. Waters*

