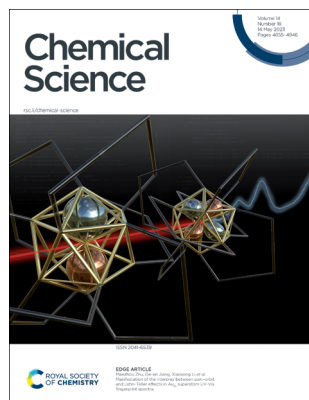


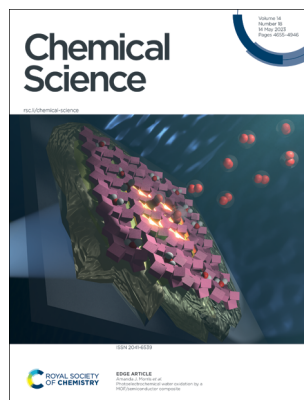
IN THIS ISSUE

ISSN 2041-6539 CODEN CSHCBM 14(18) 4655–4946 (2023)



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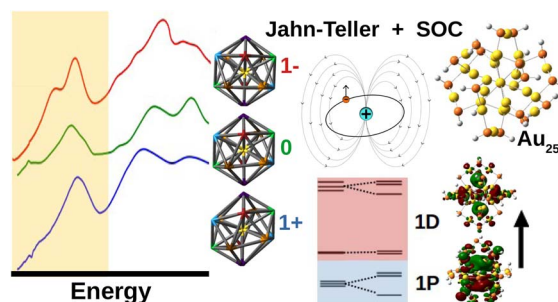
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EDGE ARTICLES

4666

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

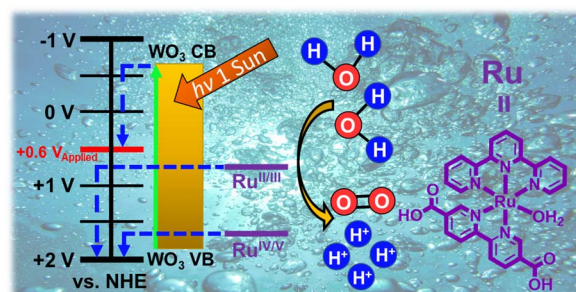
Can Liao, Manzhou Zhu,* De-en Jiang* and Xiaosong Li*



4672

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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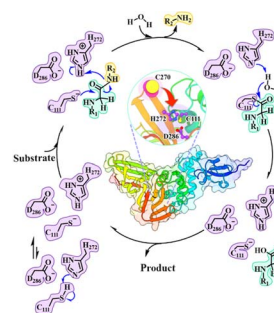
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4681

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

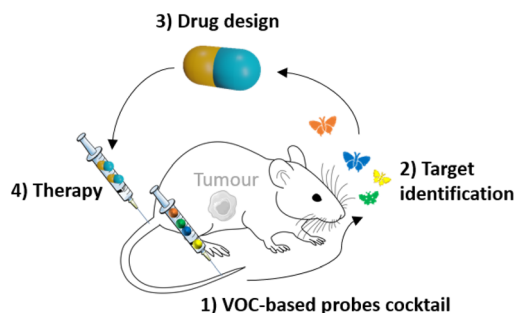
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4697

Induced-volatolomics for the design of tumour activated therapy

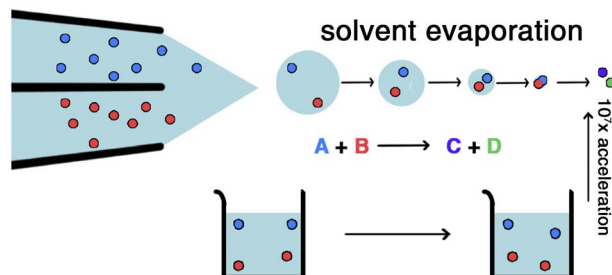
Rémi Châtre, Estelle Blochouse, Rony Eid, Fabiola Djago, Justin Lange, Mehrad Tarighi, Brigitte Renoux, Julien Sobilo, Alain Le Pape, Jonathan Clarhaut, Claude Geffroy, Isabelle Opalinski, Wei Tuo, Sébastien Papot* and Pauline Poinot*



4704

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

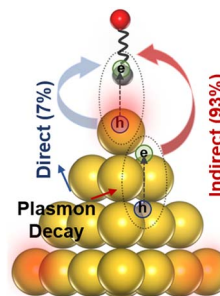
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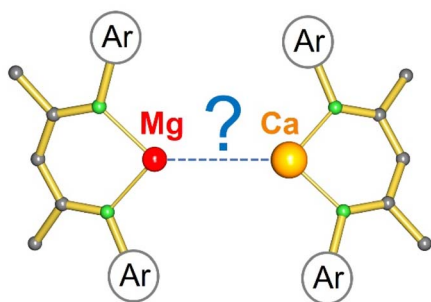
4714

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*



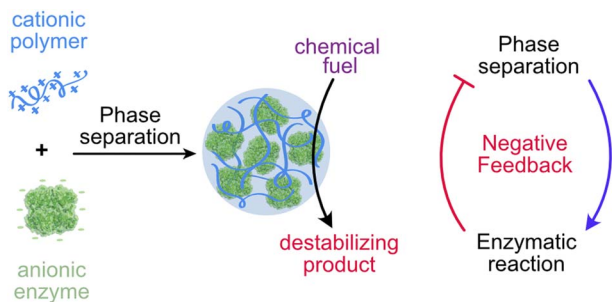
4724



On the existence of low-valent magnesium–calcium complexes

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

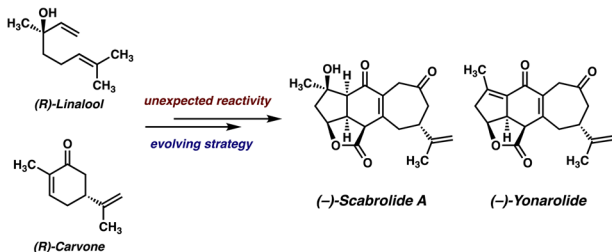
4735



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*

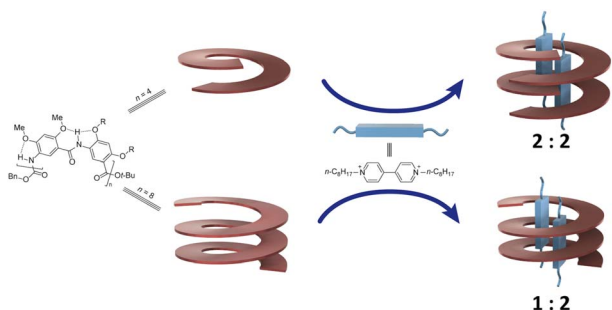
4745



Total synthesis of (–)-scabrolide A and (–)-yonarolide

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

4759



High-affinity single and double helical pseudofoldaxanes with cationic guests

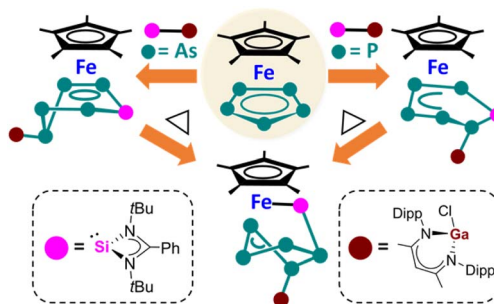
Yulong Zhong, Thomas A. Sobiech, Brice Kauffmann, Bo Song, Xiaopeng Li, Yann Ferrand, Ivan Huc and Bing Gong*



4769

Snapshots of sequential polyphosphide rearrangement upon metallatetraylene addition

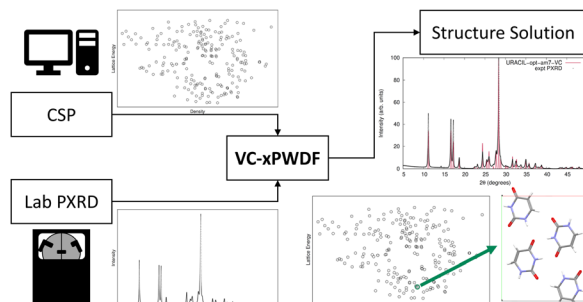
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4777

Quantitative matching of crystal structures to experimental powder diffractograms

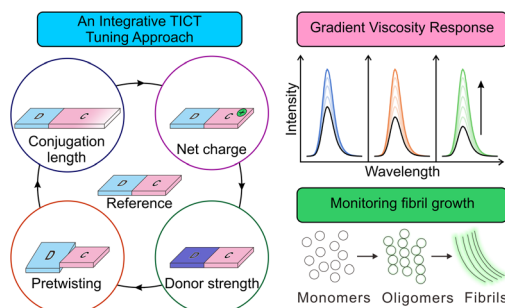
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4786

Monitoring amyloid aggregation via a twisted intramolecular charge transfer (TICT)-based fluorescent sensor array

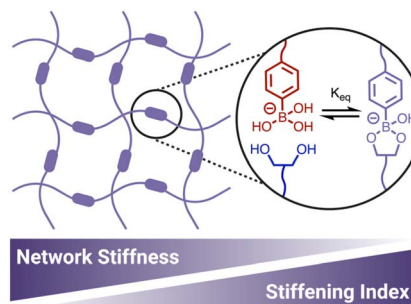
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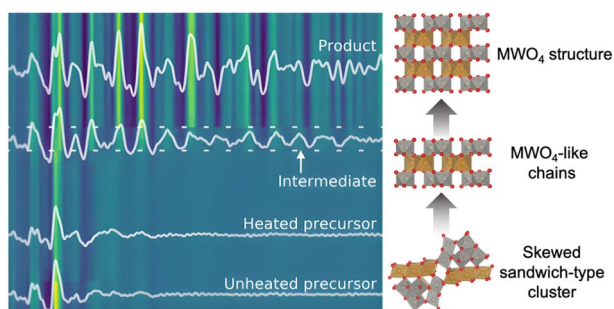
4796

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

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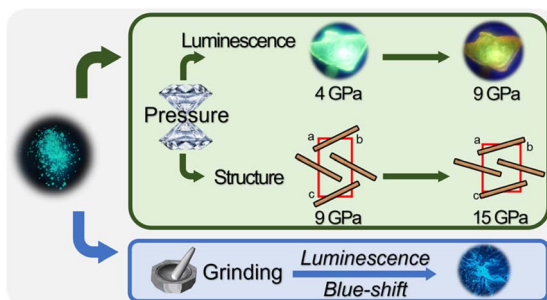
4806



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 Juelsholt, Troels Lindahl Christiansen and Kirsten M. Ø. Jensen*

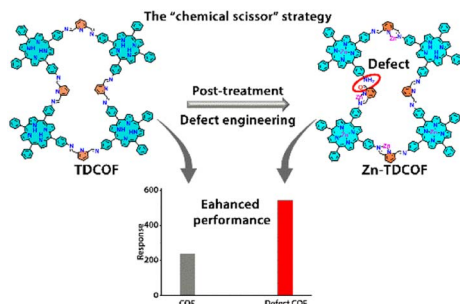
4817



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*

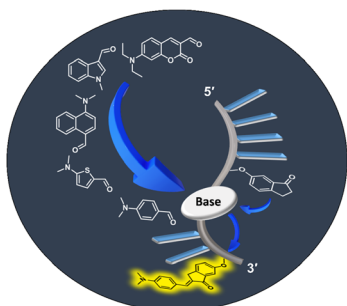
4824



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*

4832



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

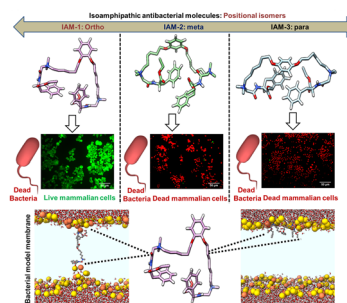
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4845

Isoamphiphathic antibacterial molecules regulating activity and toxicity through positional isomerism

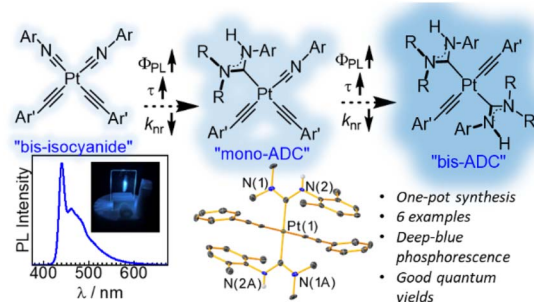
Swagatam Barman, Sudip Mukherjee, Logia Jolly, Cassandra Troiano, Alessandro Grottesi, Debajyoti Basak, Paolo Calligari, Brinta Bhattacharjee, Gianfranco Bocchini, Lorenzo Stella and Jayanta Halder*



4857

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

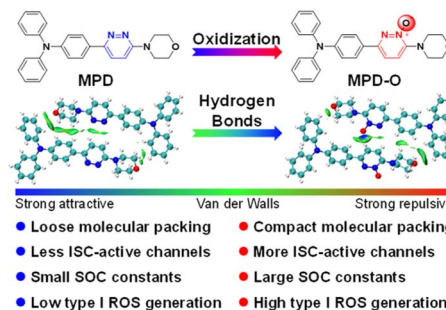
Yennie H. Nguyen, Vinh Q. Dang, João Vitor Soares, Judy I. Wu and Thomas S. Teets*



4863

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

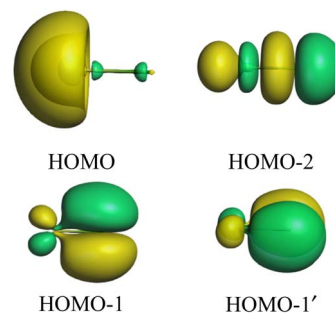
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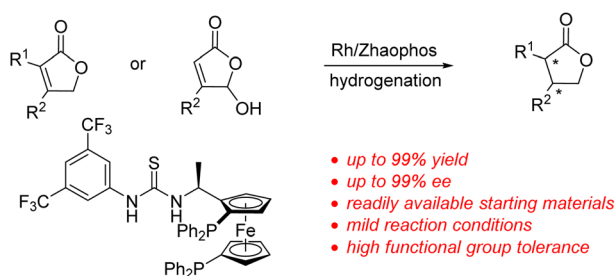
4872

Genuine quadruple bonds between two main-group atoms. Chemical bonding in AeF^- ($\text{Ae} = \text{Be}-\text{Ba}$) and isoelectronic EF ($\text{E} = \text{B}-\text{Tl}$) 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*



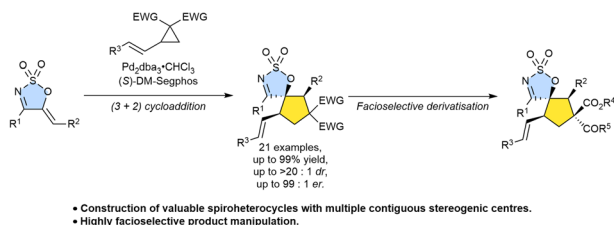
4888



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*

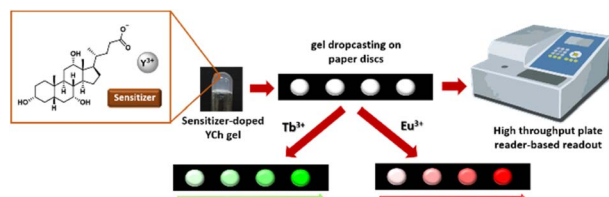
4893



Palladium-catalysed enantio- and regioselective (3 + 2) cycloaddition reactions of sulfamate imine-derived 1-azadienes towards spirocyclic cyclopentanes

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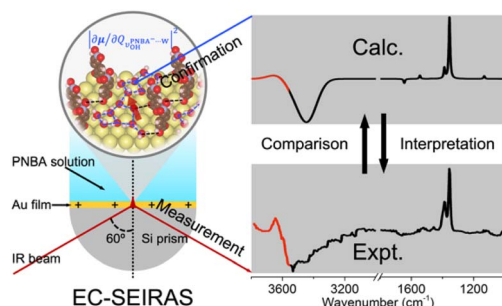
4901



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

Dipankar Bhowmik and Uday Maitra*

4905



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

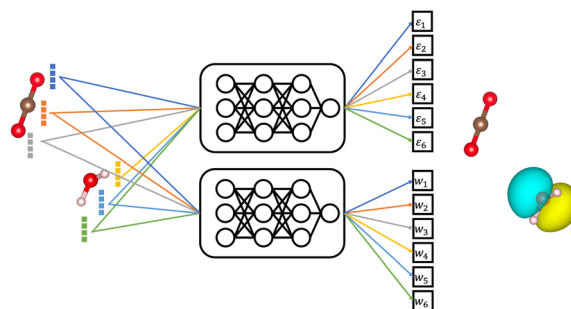
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4913

Physics-inspired machine learning of localized intensive properties

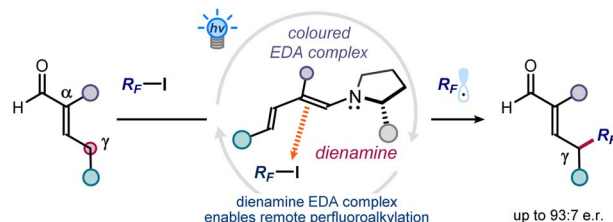
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4923

Enantioselective catalytic remote perfluoroalkylation of α -branched enals driven by light

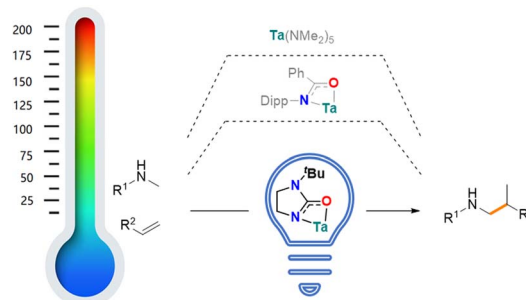
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4928

Tantalum ureate complexes for photocatalytic hydroaminoalkylation

Han Hao, Manfred Manßen and Laurel L. Schafer*



4935

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*

