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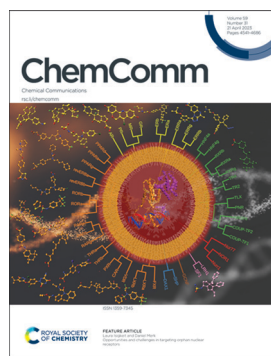
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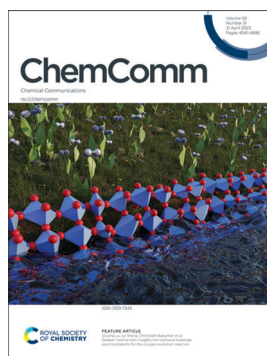
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ISSN 1359-7345 CODEN CHCOFS 59(31) 4541-4686 (2023)



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Inside cover

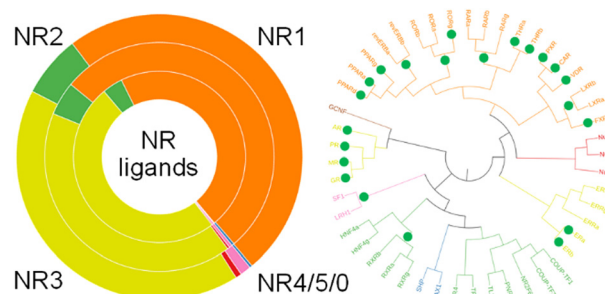
See Qiyang Lu, Le Wang, Christoph Baeumer et al., pp. 4562–4577. Image reproduced by permission of Christoph Baeumer from *Chem. Commun.*, 2023, 59, 4562. Image created with Biorender.com

FEATURE ARTICLES

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Opportunities and challenges in targeting orphan nuclear receptors

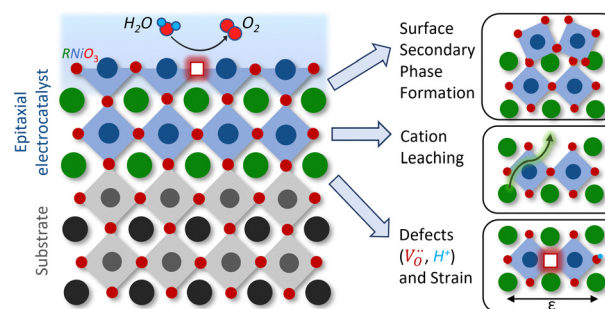
Laura Isigkeit and Daniel Merk*



4562

Deeper mechanistic insights into epitaxial nickelate electrocatalysts for the oxygen evolution reaction

Ellen M. Kiens, Min-Ju Choi, Luhan Wei, Qiyang Lu,* Le Wang* and Christoph Baeumer*



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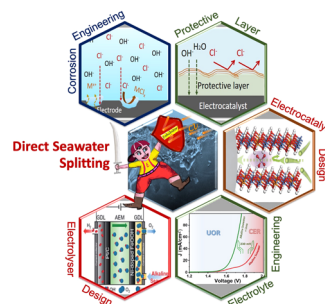


FEATURE ARTICLES

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New age chloride shielding strategies for corrosion resistant direct seawater splitting

Sakila Khatun, Santanu Pal, Nibedita Sinha, Chandni Das, Tanbir Ahmed and Poulomi Roy*

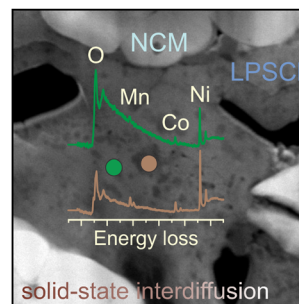


COMMUNICATIONS

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Transition-metal interdiffusion and solid electrolyte poisoning in all-solid-state batteries revealed by cryo-TEM

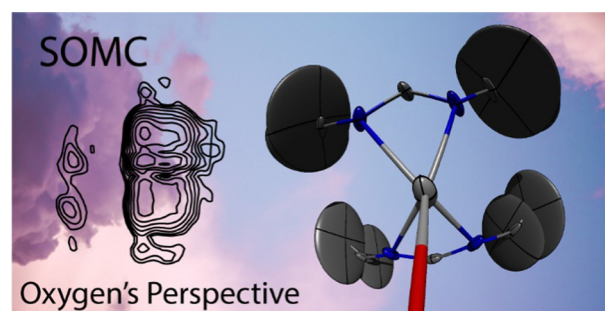
Ruizhuo Zhang, Florian Strauss,* Lin Jiang, Lee Casalena, Letian Li, Jürgen Janek, Aleksandr Kondrakov and Torsten Brezesinski*



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Double-resonance ^{17}O NMR experiments reveal unique configurational information for surface organometallic complexes

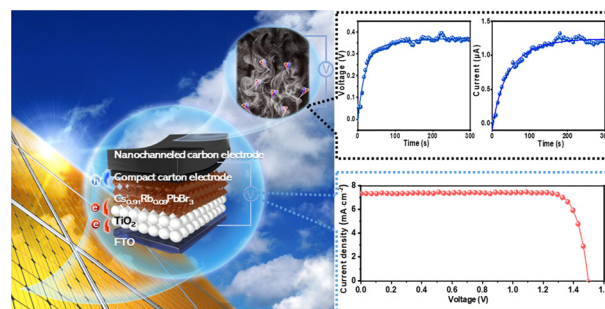
Frédéric A. Perras,* Alejandra Arroyave, Scott A. Southern, Jessica V. Lamb, Yuting Li, Anne LaPointe and Massimiliano Delferro



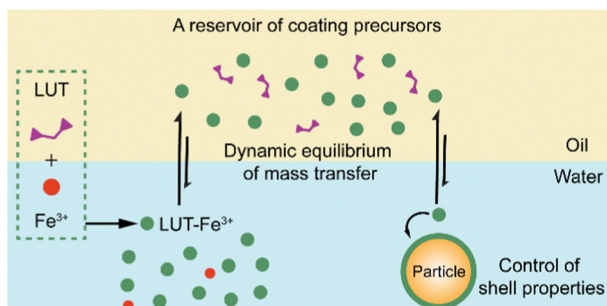
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A photovoltaic–hydrovoltaic-coupled carbon-based, all-inorganic CsPbBr₃ perovskite solar cell

Jin Tan, Jie Dou* and Qunwei Tang



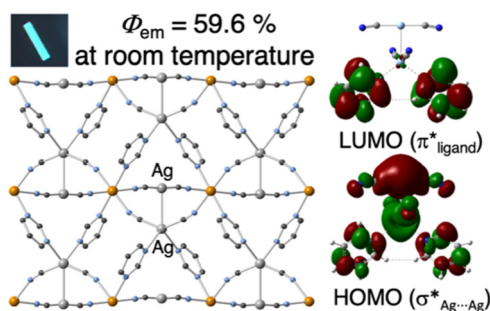
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Vortex-assisted, nanoarchitectonic manipulation of microparticles with flavonoid-Fe³⁺ complex in biphasic water–oil systems

Duc Tai Nguyen, Sang Yeong Han, Gyeongwon Yun, Hojae Lee* and Insung S. Choi*

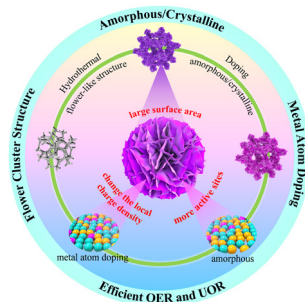
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Unprecedented highly efficient photoluminescence in a phosphorescent Ag(I) coordination polymer

Haruka Yoshino,* Masaki Saigo, Kiyoshi Miyata, Ken Onda, Jenny Pirillo, Yuh Hijikata, Wataru Kosaka and Hitoshi Miyasaka*

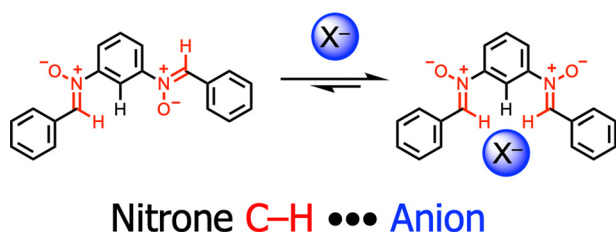
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Amorphous/crystalline heterostructure of NiFe (oxy)hydroxides for efficient oxygen evolution and urea oxidation

Tianshan Song, Hui Xue,* Jing Sun, Niankun Guo, Jiawen Sun, Yi-Ru Hao and Qin Wang*

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Anion receptors with nitrone C–H hydrogen bond donors

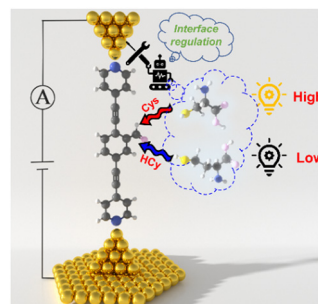
Xuxian He, Richard R. Thompson, Sarah A. Clawson, Frank R. Fronczek and Semin Lee*



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Regulating the molecule and electrode interface of a single-molecule junction *via* the side chain

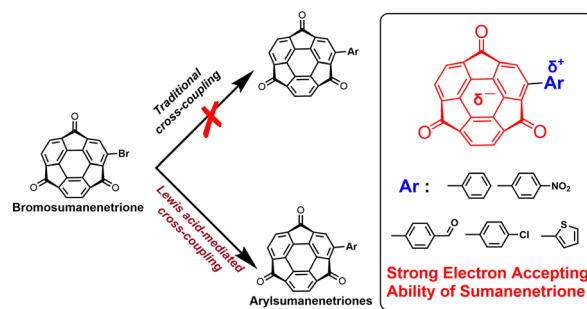
Yunpeng Li, Ajun Tang, Rui Wang, Yingjie Li, Chaoqi Ma and Hongxiang Li*



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Derivatization of sumanetrione through Lewis acid-mediated Suzuki–Miyaura coupling and an unprecedented ring opening

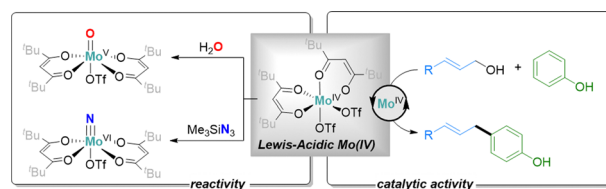
Junyi Han, Yuta Uetake, Yumi Yakiyama* and Hidehiro Sakurai*



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Molybdenum(IV) β -diketonate complexes as highly active catalysts for allylic substitution reactions

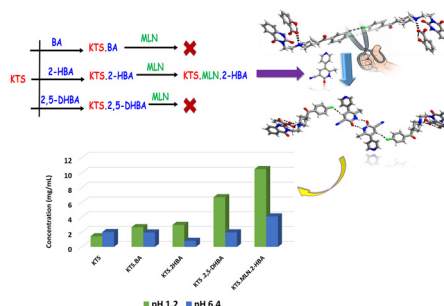
Fabio Masero and Victor Mougel*



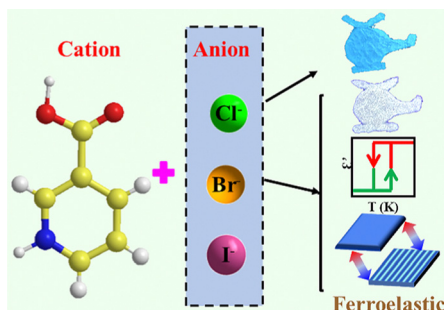
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Binary to ternary drug–drug molecular adducts of the antihypertensive drug ketanserin (KTS) with advanced physicochemical properties

Smruti Rekha Rout, Gowtham Kenguva, Lopamudra Giri, Ananya Kar and Rambabu Dandela*



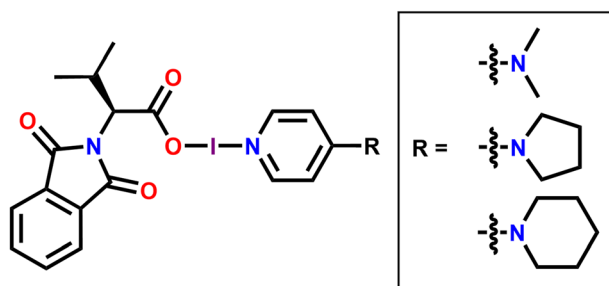
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Nicotinic acid bromide: a simple organic salt optical-electrical ferroelastic with high T_c

Jie Li, Tie Zhang, Meng-Meng Lun, Chang-Yuan Su, Zhi-Xu Zhang, Pei-Zhi Huang, Yi Zhang,* Gele Teri and Da-Wei Fu*

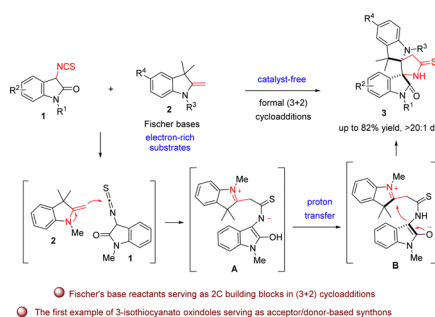
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Chiral carbonyl hypiodites

Milla Mattila, Kari Rissanen* and Jas S. Ward*

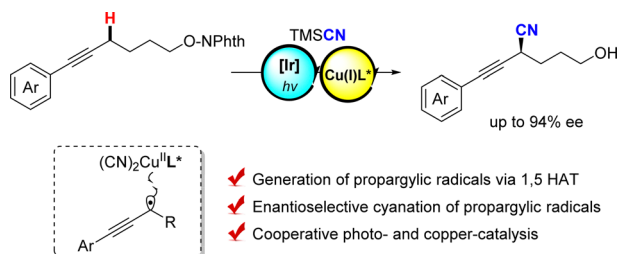
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Fischer's base-triggered formal (3+2) cycloadditions with 3-isothiocyanato oxindoles as acceptor–donor synthons

Xiong-Wei Liu, Zi-Yue Chen, Ren-Ming Liu, Wen-Hui Zhang, Bo-Wen Pan,* Jian Zhou, You-Ping Tian, Ying Zhou and Xiong-Li Liu*

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Enantioselective cyanation of propargylic C–H bonds via cooperative photoredox and copper catalysis

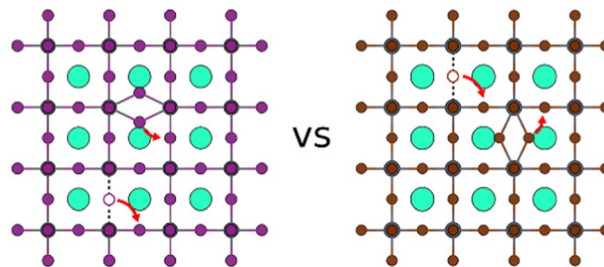
Yunshun Deng, Ronghua Lu, Pinhong Chen* and Guosheng Liu*



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How fast do defects migrate in halide perovskites: insights from on-the-fly machine-learned force fields

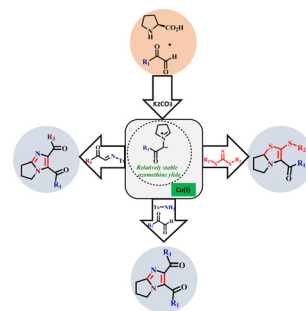
Mike Pols, Victor Brouwers, Sofia Calero and Shuxia Tao*



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Cu(I)-catalysed cross-coupling reaction of *in situ* generated azomethine ylides towards easy construction of fused N-heterocycles

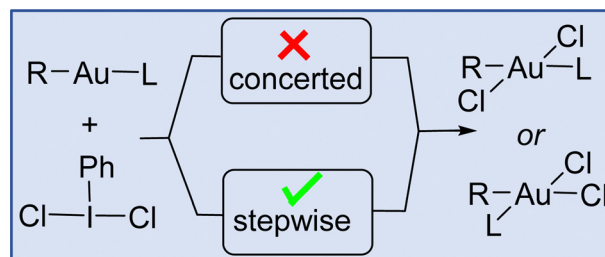
Sabir A. Molla, Debasish Ghosh, Ankur Basak, Saikat Khamarui and Dilip K. Maiti*



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Mechanistic details for oxidative addition of PhICl_2 to gold(I) complexes

Farshad Shiri and Alireza Ariafard*



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Ferrocene-driven single-chain polymer compaction

Sebastian Gillhuber, Joshua O. Holloway, Hendrik Frisch, Florian Feist, Florian Weigend, Christopher Barner-Kowollik* and Peter W. Roesky*

