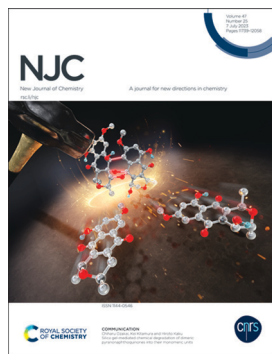


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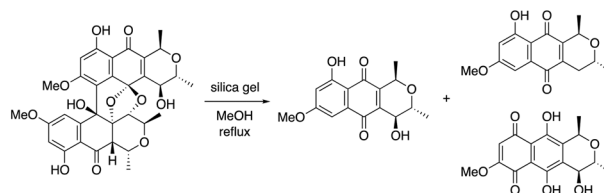
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COMMUNICATIONS

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Silica gel-mediated chemical degradation of dimeric pyranonaphthoquinones into their monomeric units

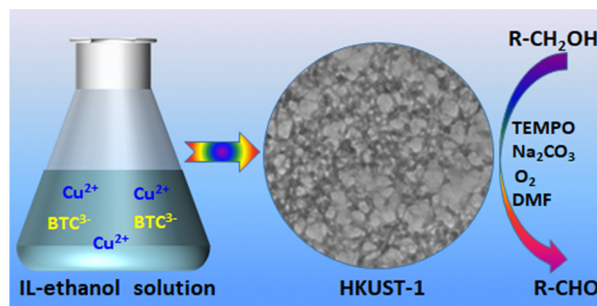
Chiharu Ozakai, Kei Kitamura* and Hiroto Kaku*



11755

A new ligand-regulated strategy of highly mesoporous metal–organic frameworks assembled in ionic liquid/ethanol solvent

Xiaoxue Ma, Pan Ren, Donglu Fu, Xinchun Kang,
Minghua Jing, Xinxin Sang, Dawei Fang* and
Zongren Song*



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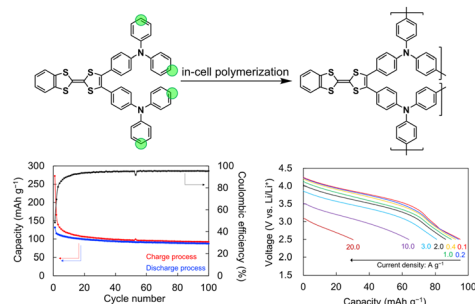


COMMUNICATIONS

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Synthesis of Bz-TTFs with polymerization sites and the properties of Li-ion batteries comprising them as active materials

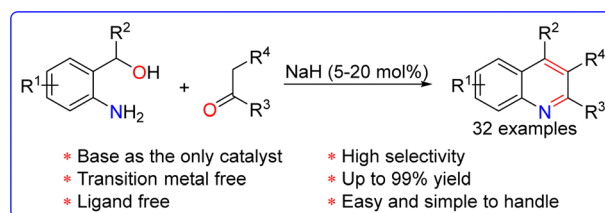
Aya Yoshimura, Moeko Yoshinouchi, Keisuke Hemmi, Yuto Aso, Ryosuke Utsumi, Takashi Shirahata, Masaru Yao and Yohji Misaki*



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Efficient synthesis of quinolines through alkali-catalysed cascade Oppenauer oxidation/condensation of amino alcohols with ketones

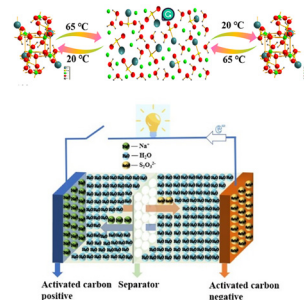
Yuan Liu, Peizhi Bai, Yue Hu and Yinjun Xie*



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Reversible transformation between solid and liquid states of Na₂S₂O₃·5H₂O leads to supercapacitor electrolytes with low volatilization and low self-discharge

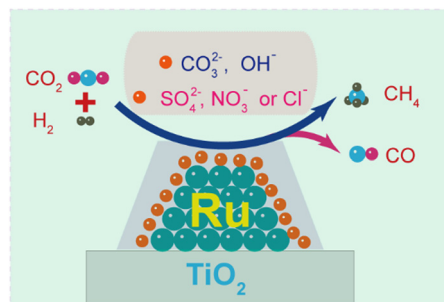
Xiangfei Min, Jingxuan Tan, Tailong Dong, Yidi Li, Mengyi Pei, Chen Wang, Xuwei Fu, Huawei Zhou,* Jie Yin* and Xianxi Zhang



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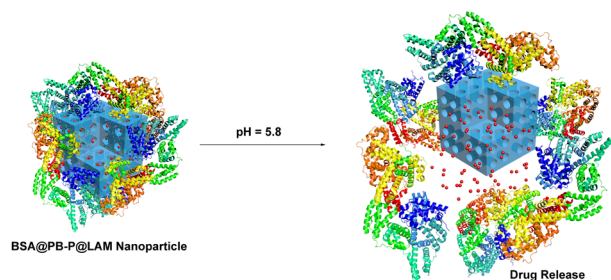
Switchable tuning selectivity of CO₂ hydrogenation via anion-modification of the Ru/TiO₂ catalyst

Jin Zhang, Tianfen Huang, Ruiyi Wang,* Xincheng Li, Jing Wang, Hui Ge, Jun Ren, Yunwei Wang* and Zhanfeng Zheng*



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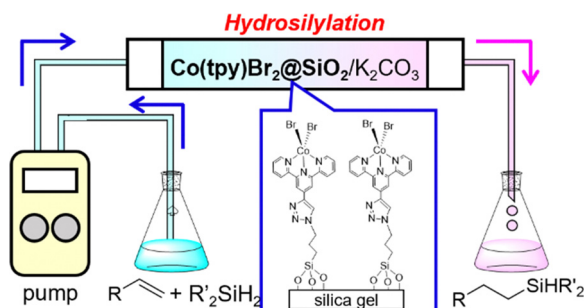


Fabrication of BSA@PB-P nanoparticles and their drug loading and controlled release of lamivudine

Yan Zhao,* Jing-Jing Zhao, Yi-Ran Yao and Yang Yang*

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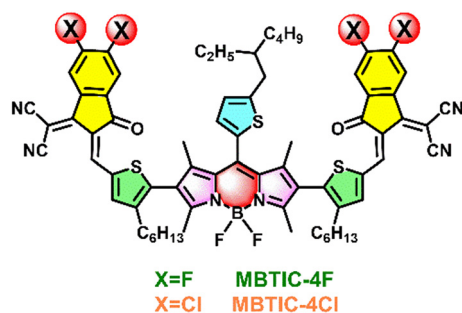
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Catalytic hydrosilylation using an immobilized Co-terpyridine complex activated by inorganic salts and its application in a flow reactor

Katsuaki Kobayashi, Norihisa Fukaya and Hiroshi Nakazawa*

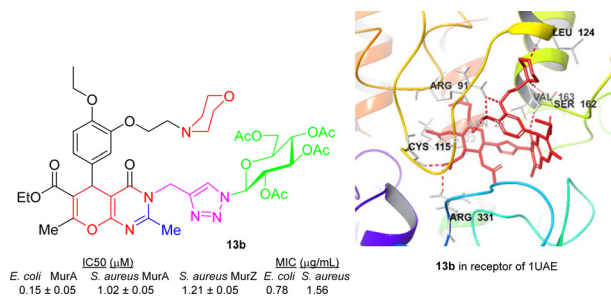
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Fully-unfused electron acceptors based on a steric boron dipyrromethene (BODIPY) core for organic solar cells

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Synthesis and inhibitory activity against MurA and MurZ enzymes of 4H-pyrano[2,3-d]pyrimidine-1H-1,2,3-triazole hybrid compounds having piperidine and morpholine rings

Dinh Thanh Nguyen,* Son Hai Do, Ngoc Toan Vu, Thi Kim Van Hoang, Thi Kim Giang Nguyen, Minh Tri Nguyen, Huu Anh Hoang and Ngoc Toan Duong

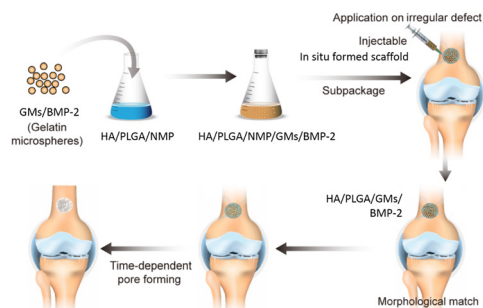


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In situ-formed hydroxyapatite and poly (lactic-co-glycolic acid) injectable implants as the cargo loading of bioactive substances for bone regeneration

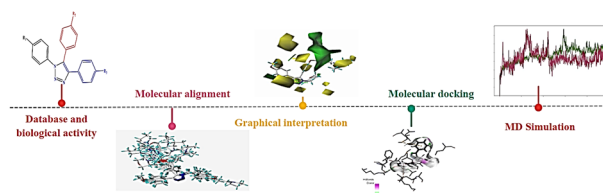
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A computational study of Di-substituted 1,2,3-triazole derivatives as potential drug candidates against *Mycobacterium tuberculosis*: 3D-QSAR, molecular docking, molecular dynamics, and ADMETox

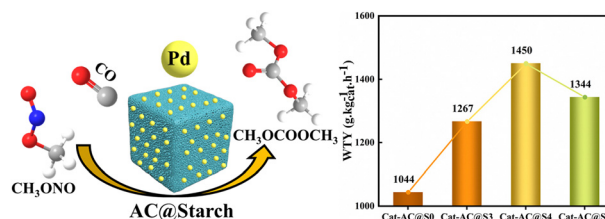
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Efficient and stable catalysts for the synthesis of dimethyl carbonate by carbonylation of methyl nitrite applying the starch-coated activated carbon as a support

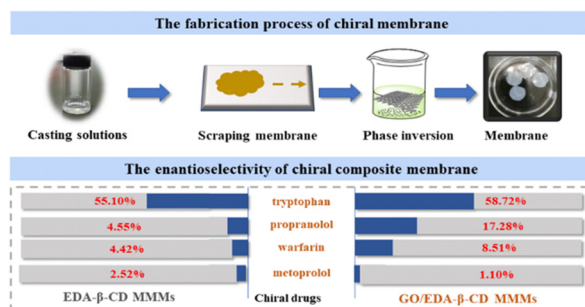
Yang Liu, Jianshan Chen, Rong Guo, Hanying Wu, Runping Ye, Yeyan Qin,* Siqi Wu and Yuangen Yao*



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Fabrication and application of graphene oxide modified cyclodextrin chiral separation membranes

Yining Zhu, Xinmu Li, Zhaoye Bai, Yujia Zeng, Han Jiang, Xiaoping Bai and Ruijun Li*



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Liquid polysulfides rubbers

Solid polysulfides rubbers

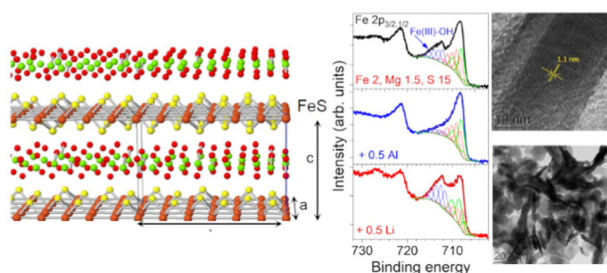


Rapid, Efficient and Controllable

Rapid, efficient and controllable photo-assisted polysulfide sealing over MnO_2

Qianxing Gao, Jia-qi Bai,* Yinghong Song, Mingyuan Wu, Lei Huang, Jingshuai Chen, Songhua Wu and Song Sun*

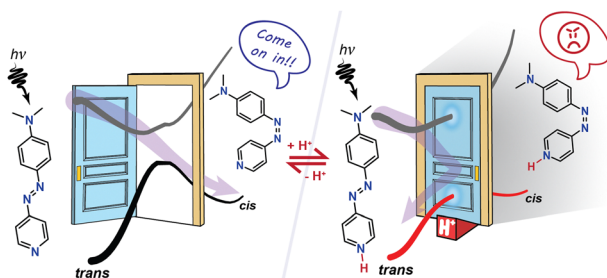
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Facile synthesis and selected characteristics of two-dimensional material composed of iron sulfide and magnesium-based hydroxide layers (tochilinite)

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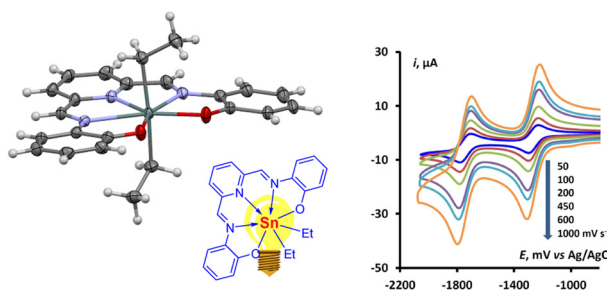
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The doorstep proton: acid-controlled photoisomerization in pyridine-based azo dyes

Shea M. Martin, Zachary J. Knepp, Ing Angsara Thongchai, Kiera Englehart, Keyri Sorto, Athina Jaffer, Lisa A. Fredin* and Elizabeth R. Young*

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Derivatives of penta-, hexa-, and hepta-coordinated tin with Schiff bases and 1,10-phenanthroline: structure, redox and optoelectronic properties

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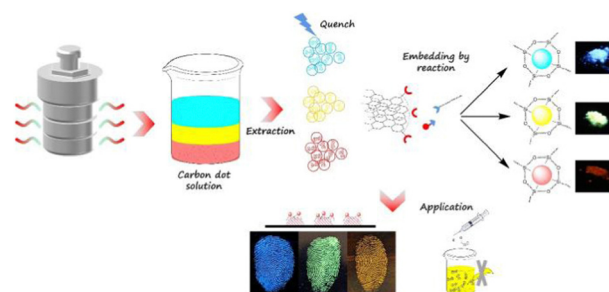


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A preparation strategy for multicolor carbon dots embedded in silicone for latent fingerprints and detection of AcO^-

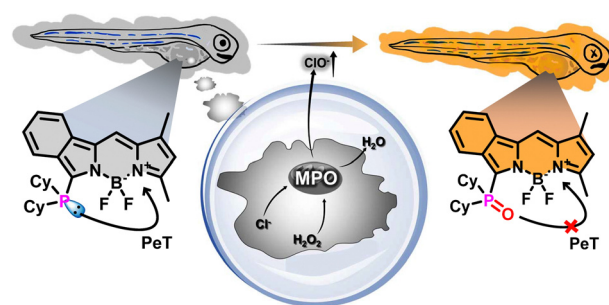
Tingzhong Li, Qinglu Yu, Zhuang Du, Jie Gao, Dong LU, Rui Liang* and Guoxing Sun*



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A phosphine-based fluorescent probe for fluorescent imaging of hypochlorous acid in living cells and zebrafish

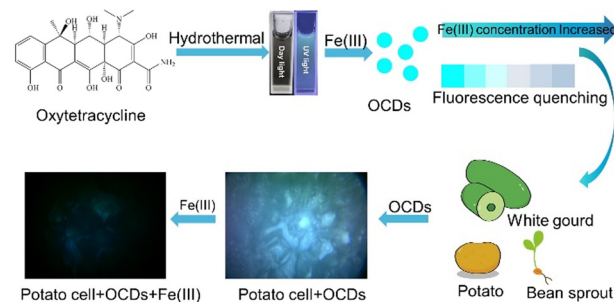
Sheng Bi, Taorui Yang, Ke An, Shidong Wang and Yifeng Han*



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Oxytetracycline-derived carbon dots as a fluorescent switch in trace ferric ion sensing

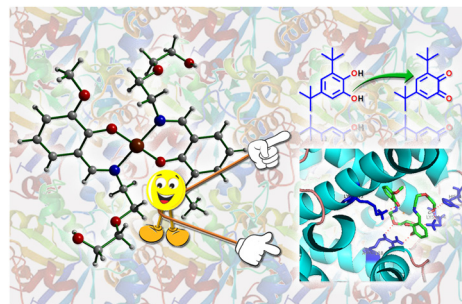
Tao Chen, Yan-Tong Xu, Qing Guo, Xiaoli Chen, Qiucheng Su and Yan Cao*



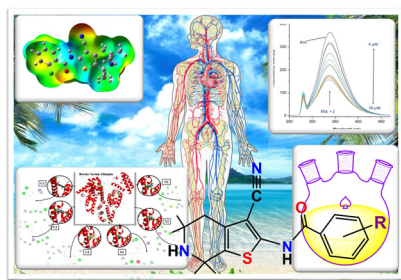
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Investigations on a mononuclear Cu(II) Schiff base complex: theoretical calculations, catechol oxidase activity, and protein binding interaction analysis

Bilash Chandra Roy, Biswarup Dutta, Dipmalya Basak,* Surajit Debnath,* Debashis Ray* and Tufan Singha Mahapatra*



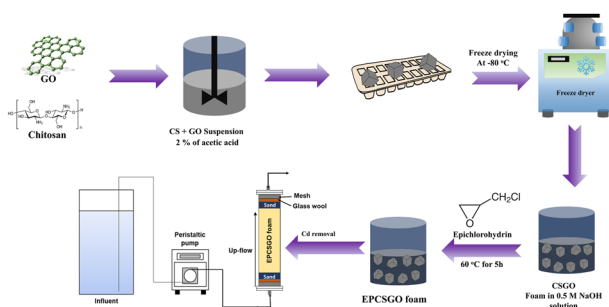
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A novel series of tetrahydrothieno[2,3-c]pyridin-2-yl derivatives: fluorescence spectroscopy and BSA binding, ADMET properties, molecular docking, and DFT studies

Goncagül Serdaroğlu,* Nesimi Uludag, Elvan Üstün and Naki Colak

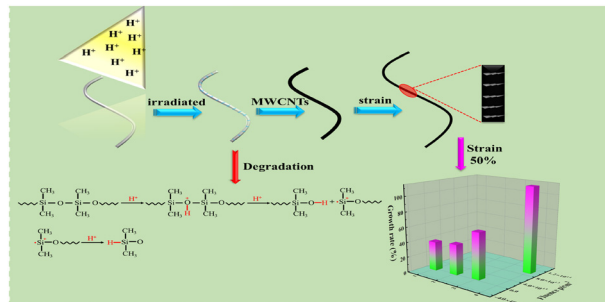
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Removal of Cd^{2+} from zinc smelter wastewater using graphene oxide foam cross-linked with epichlorohydrin: comprehensive optimization, isotherms, kinetics, and real water column studies

Lakshmi Prasanna Lingamdinne, Ganesh Kumar Reddy Angaru, Yeeun Jeon, Suhyun Lee, Janardhan Reddy Koduru,* Jae-Kyu Yang and Yoon-Young Chang*

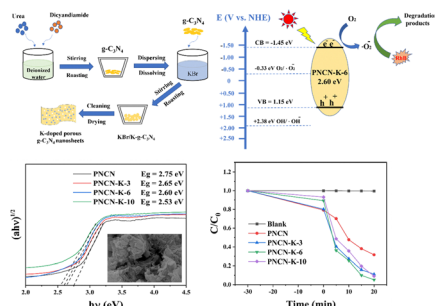
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High sensitivity microcrack hydroxylated MWCNT/Ecoflex composite flexible strain sensors based on proton irradiation engineering

Xiaoqing Yue, Jianqun Yang, Lei Dong, Xuewen Wang, Yuhang Jing, Weiqi Li and Xingji Li*

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Effects of K-doping on the microstructure and photocatalytic performance of porous $\text{g-C}_3\text{N}_4$ nanosheets

Zhenxi Du, Wenxiang An, Shenghao Luo, Shuoyu Chen, Yuechun Fu,* Huan He and Xiaoming Shen

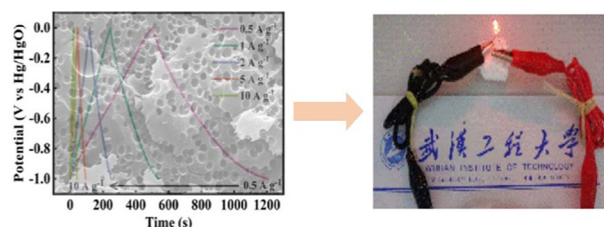


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Three-dimensional honeycomb-like hierarchically structured carbon nanosheets from resin for high-performance supercapacitors

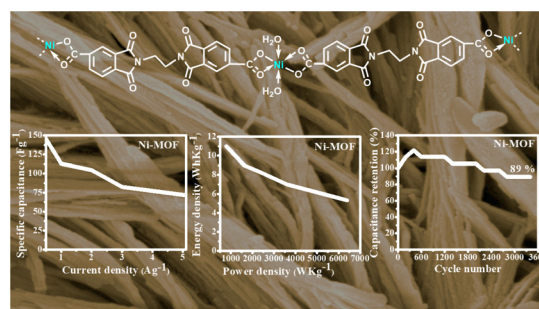
Tong Guo, Yulin Liu, Guangyu Xu, Yigang Ding, Baomin Fan and Dong Liu*



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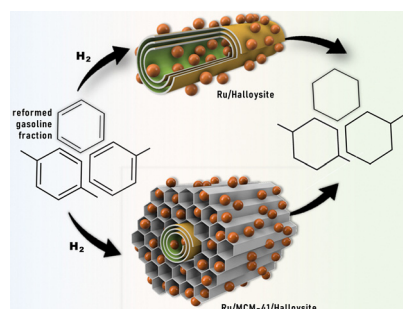
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Gram-scale ruthenium catalysts templated on halloysite nanotubes and MCM-41/halloysite composite for removal of aromatics from gasoline fraction

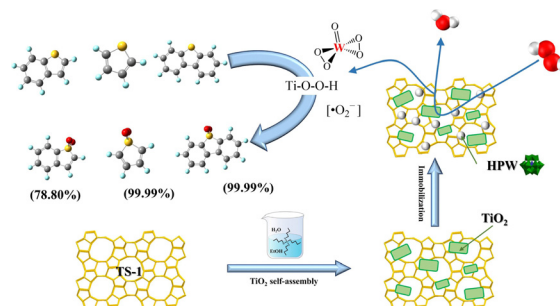
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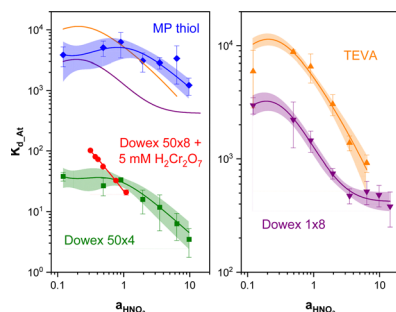
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Titanium dioxide-modified nanosized TS-1 zeolite-supported phosphotungstic acid as a catalyst for deep catalytic oxidative desulfurization of fuel oil

Mingli Bi, Ying Guo, Siyue Wang, Bingxue Zhang, Yu'ni Jiang, Haonan Li, Qingxin Xu, Lidong Chen,* Qi Zhao* and Na Han*



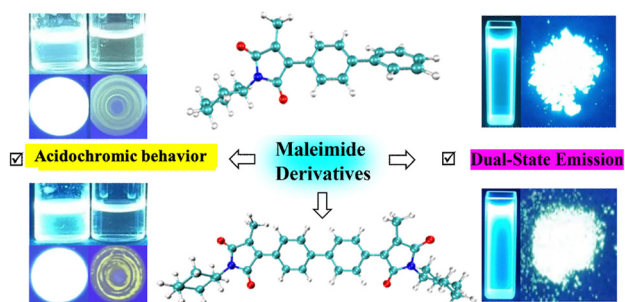
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Ion exchange behavior of astatine and bismuth

Evgeny E. Tereshatov,* Jonathan D. Burns, Steven J. Schultz, Brooklyn D. Green, Gabriela A. Picayo, Laura A. McCann, Lauren A. McIntosh, Gabriel C. Tabacaru, Austin Abbott, Matthew Berko, Emily Engelthaler, Kris Hagel, Travis Hankins, Bryan Harvey, Lauren Hoekstra, Kylie Lofton, Sebastian Regener, Robert Rider, Maxwell Sorensen, Alexandra Tabacaru, David Thomas, Justin Tobar, Zachary Tobin and Sherry J. Yennello

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Synthesis and photophysical properties of blue emission maleimide molecules with dual-state emission (DSE) effects

Xiaodong Yang, Kazuhiro Yamabuki and Kenjiro Onimura*

