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ISSN 0306-0012 CODEN CSRVBR 53(15) 7635–8088 (2024)



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See Jesse V. Jokerst *et al.*, pp. 7681–7741. Image reproduced by permission of Jesse V. Jokerst and Zhicheng Jin from *Chem. Soc. Rev.*, 2024, 53, 7681. Artwork by Zhicheng Jin.



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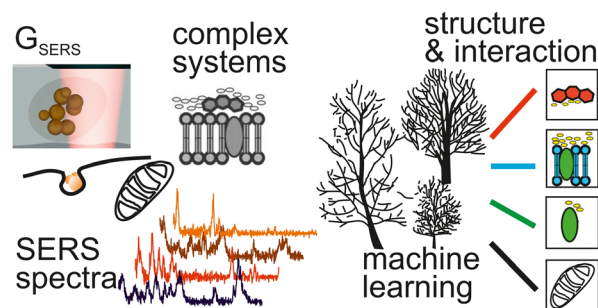
See Janina Kneipp *et al.*, pp. 7641–7656. Image reproduced by permission of Heinrich Kittel and Janina Kneipp from *Chem. Soc. Rev.*, 2024, 53, 7641.

TUTORIAL REVIEWS

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SERS microscopy as a tool for comprehensive biochemical characterization in complex samples

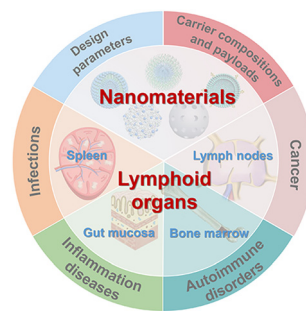
Janina Kneipp,* Stephan Seifert and Florian Gärber



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Lymphoid organ-targeted nanomaterials for immunomodulation of cancer, inflammation, and beyond

Jessica C. Hsu, Peng Liu, Yangmeihui Song, Wenyu Song, Rachel J. Saladin, Ying Peng, Shuo Hu, Xiaoli Lan and Weibo Cai*



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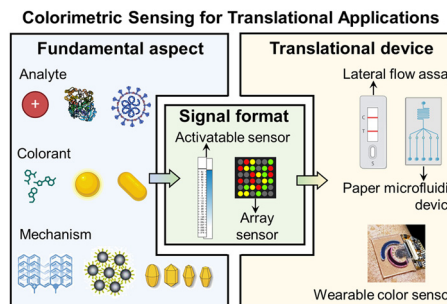
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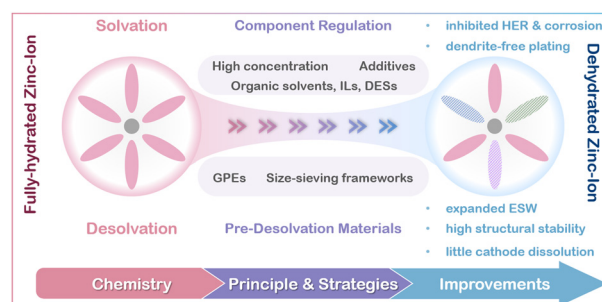


Zhicheng Jin, Wonjun Yim, Maurice Retout,
Emily Housel, Wenbin Zhong, Jiajing Zhou,
Michael S. Strano and Jesse V. Jokerst*



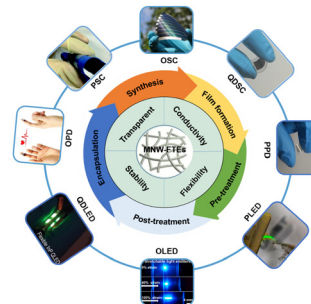
Recent advances in zinc-ion dehydration strategies for optimized Zn–metal batteries

Haoyu Li, Sijie Li, Ruilin Hou, Yuan Rao, Shaohua Guo,
Zhi Chang* and Haoshen Zhou*



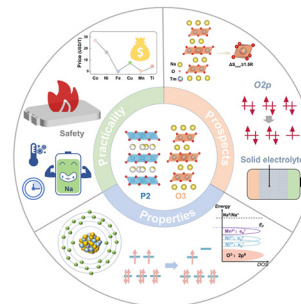
Metal nanowire-based transparent electrode for flexible and stretchable optoelectronic devices

Yu Ding, Sixing Xiong, Lulu Sun, Yiyang Wang,
Yinhua Zhou, Yaowen Li, Jun Peng, Kenjiro Fukuda,*
Takao Someya,* Ruiyuan Liu* and Xiaohong Zhang*



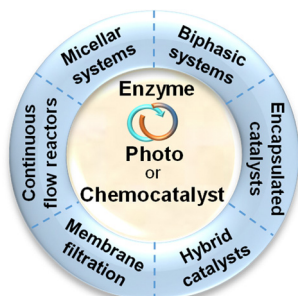
Sodium layered oxide cathodes: properties, practicality and prospects

Yu-Jie Guo, Ruo-Xi Jin, Min Fan, Wen-Peng Wang,
Sen Xin,* Li-Jun Wan and Yu-Guo Guo*



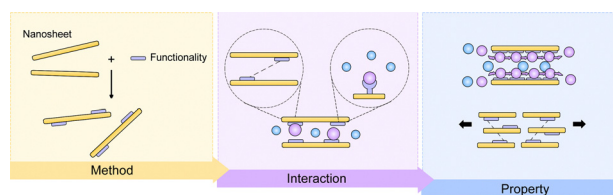
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**One-pot chemo- and photo-enzymatic linear cascade processes**

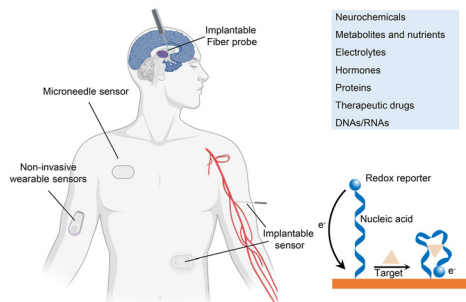
J. M. Carceller, K. S. Arias, M. J. Climent, S. Iborra* and A. Corma*

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**Functionalized 2D membranes for separations at the 1-nm scale**

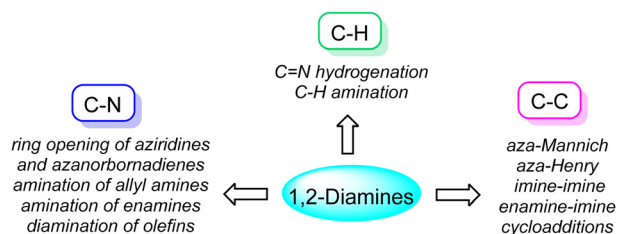
Yuan Kang, Yuqi Wang, Hao Zhang, Zhouyou Wang, Xiwang Zhang* and Huanting Wang*

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**Nucleic acid-based wearable and implantable electrochemical sensors**

Cui Ye, Heather Lukas, Minqiang Wang, Yerim Lee and Wei Gao*

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**Catalytic asymmetric synthesis of 1,2-diamines**Francisco Foubelo, Carmen Nájera,*
M^a Gracia Retamosa, José M. Sansano and Miguel Yus