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   **CHEMICAL SOCIETY REVIEWS**
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   [549] Nanyang Technol Univ, Lee Kong Chian Sch Med, Singapore

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4. **Short-Term Residential Load Forecasting Based on LSTM Recurrent Neural Network**

By: …; Xu, Y (Xu, Yan)\(^5\); …


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5. **Rational molecular passivation for high-performance perovskite light-emitting diodes**

By: …; Tyukalova, E (Tyukalova, Elizaveta)\(^7\); …; Duchamp, M (Duchamp, Martial)\(^7\); …

[7] Nanyang Technol Univ, Sch Mat Sci & Engn, Singapore

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7. **Chemical and structural origin of lattice oxygen oxidation in Co-Zn oxyhydroxide oxygen evolution electrocatalysts**

By: **Huang, ZF (Huang, Zhen-Feng)[1]**; **Song, JJ (Song, Jiajia)[2,3]**; …; **Dou, S (Dou, Shuo)[1]**; **Nsanzimana, JMV (Nsanzimana, Jean Marie Vianney)[1]**; …; **Xu, ZCJ (Xu, Zhichuan J.)[2]**; **Wang, X (Wang, Xin)[1]**


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8. **Recommended Practices and Benchmark Activity for Hydrogen and Oxygen Electrocatalysis in Water Splitting and Fuel Cells**

By: **Wei, C (Wei, Chao)[1,2,3,4]**; …; **Xu, ZCJ (Xu, Zhichuan J.)[1,2,3,4,11]**; …

[1] Nanyang Technol Univ, Sch Mat Sci & Engn, 50 Nanyang Ave, Singapore 639798, Singapore

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9. Engineering bunched Pt-Ni alloy nanocages for efficient oxygen reduction in practical fuel cells

By: …; Lou, XW (Lou, Xiong Wen (David))\[8\]; …

[8] Nanyang Technol Univ, Sch Chem & Biomed Engn, 62 Nanyang Dr, Singapore 637459

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10. Acoustic higher-order topological insulator on a kagome lattice

By: Xue, HR (Xue, Haoran)\[1\]; Yang, YH (Yang, Yahui)\[1\]; …; Chong, YD (Chong, Yidong)\[1,4\]; Zhang, BL (Zhang, Baile)\[1,4\]


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By: …; Mhaisalkar, SG (Mhaisalkar, Subodh Gautam)\[5\]; …


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[ 1 ] Nanyang Technol Univ, Sch Chem & Biomed Engn, 70 Nanyang Dr, Singapore 637457

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By: Wu, TZ (Wu, Tianze)\(^1\)\(^2\)\(^3\); Sun, SN (Sun, Shengnan)\(^1\)\(^2\)\(^3\); Song, JJ (Song, Jiajia)\(^1\)\(^1\); …; Chen, B (Chen, Bo)\(^1\)\(^1\); …; Liao, HB (Liao, Hanbin)\(^1\)\(^6\); Gan, CL (Gan, Chee Lip)\(^1\)\(^5\); …; Xu, ZJ (Xu, Zhichuan J.)\(^1\)\(^2\)\(^3\)

[ 1 ] Nanyang Technol Univ, Sch Mat Sci & Engn, Singapore, Singapore

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17. **Soil nematode abundance and functional group composition at a global scale**

By: …; **Wardle, DA** (Wardle, David A.)¹⁵¹; …


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18. **Design of Heterostructured Hollow Photocatalysts for Solar-to-Chemical Energy Conversion**

By: **Zhang, P** (Zhang, Peng)¹¹; **Lou, XW** (Lou, Xiong Wen (David))¹¹


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19. **Recent progress in metal-organic frameworks-based hydrogels and aerogels and their applications**

By: …; **Zhang, QC** (Zhang, Qichun)³¹


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By: … Zhang, QC (Zhang, Qichun)[4]


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By: Li, JC (Li, Jingchao)[1]; Cui, D (Cui, Dong)[1]; Jiang, YY (Jiang, Yuyan)[1]; Huang, JG (Huang, Jiaguo)[1]; Cheng, PH (Cheng, Penghui)[1]; Pu, KY (Pu, Kanyi)[1]

[1] Nanyang Technol Univ, Sch Chem & Biomed Engn, 70 Nanyang Dr, Singapore 637457, Singapore

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By: Udayanga, WDC (Udayanga, W. D. Chanaka)\textsuperscript{[1,2,3]}; Veksha, A (Veksha, Andrei)\textsuperscript{[1]}; Giannis, A (Giannis, Apostolos)\textsuperscript{[4,5]}; Liang, YN (Liang, Yen Nan)\textsuperscript{[1]}; Lisak, G (Lisak, Grzegorz)\textsuperscript{[1,2]}; Hu, X (Hu, Xiao)\textsuperscript{[5]}; Lim, TT (Lim, Teik-Thye)\textsuperscript{[1,2]}

\textsuperscript{[1]} Nanyang Technol Univ, Nanyang Environm & Water Res Inst, Residues & Resource Reclamat Ctr, 1 Cleantech Loop,CleanTech One, Singapore 637141
\textsuperscript{[2]} Nanyang Technol Univ, Sch Civil & Environm Engn, Singapore 639798
\textsuperscript{[3]} Nanyang Technol Univ, Interdisciplinary Grad Sch, Singapore 639798
\textsuperscript{[5]} Nanyang Technol Univ, Sch Mat Sci & Engn, Singapore 639798