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| | <p>5 *</p> <p>[1] Wei Yang, Jun-Jie Liu, Li-Li Wang, Wei Wang, Anthony Chun Yin Yuen, Shuhua Peng, et al. Multifunctional MXene/natural rubber composite films with exceptional flexibility and durability. <i>Composites Part B-Engineering</i>, 2020, 188: 107875.</p> <p>[2] Bo Lin, Anthony Chun Yin Yuen, Ao Li, Yang Zhang, Timothy Bo Yuan Chen, Bin Yu, Eric Wai Ming Lee, Shuhua Peng, Wei Yang*, et al. MXene/chitosan nanocoating for flexible polyurethane foam towards remarkable fire hazards reductions. <i>Journal of Hazardous Materials</i>, 2020, 381: 120952.</p> <p>[3] Bin Yu, Benjamin Tawiah, Lin-Qiang Wang, Anthony Chun Yin Yuen, Zhen-Cheng Zhang, Lu-Lu Shen, Bo Lin, Bin Fei, Wei Yang*, et al. Interface decoration of exfoliated MXene ultra-thin nanosheets for fire and smoke suppressions of thermoplastic polyurethane elastomer. <i>Journal of Hazardous Materials</i>, 2019, 374: 110-119.</p> <p>[4] Ning-Ning Wang, Hao Wang, Yu-Ying Wang, You-Hao Wei, Jing-Yu Si, Anthony Chun Yin Yuen, Jing-Song Xie, San-E Zhu, Hong-Dian Lu, Wei Yang*, et al. Robust, lightweight, hydrophobic, and fire-retarded polyimide/MXene aerogels for effective oil/water separation. <i>ACS Applied Material & Interfaces</i>, 2019, 11: 40512-40523.</p> <p>[5] Wei Yang*, Anthony Chun Yin Yuen, Peng Ping, Rui-Chao Wei, Lei Hua, Zheng Zhu, et al. Pectin-assisted dispersion of exfoliated boron nitride nanosheets for assembled bio-composite aerogels. <i>Composites Part A-Applied Science and Manufacturing</i>, 2019, 119: 196-205.</p> <p>[6] Wei Yang, Ning-Ning Wang, Peng Ping, Anthony Chun-Yin Yuen, Ao Li, San-E Zhu, et al. Novel 3D network architected hybrid aerogel comprising epoxy, graphene, and hydroxylated boron nitride nanosheets. <i>ACS Applied Materials & Interfaces</i>, 2018, 10: 40032-40043.</p> <p>[7] Wei Yang*, Wen-Jie Yang, Benjamin Tawiah, Yang Zhang, Li-Li Wang, San-E Zhu, et al. Synthesis of anhydrous manganese hypophosphite microtubes for simultaneous flame retardant and mechanical enhancement on poly(lactic acid). <i>Composites Science and Technology</i>, 2018, 164: 44-50.</p> |

[8] **Wei Yang***, Benjamin Tawiah, Chao Yu, Yi-Fan Qian, Li-Li Wang, Anthony Chun-Yin Yuen, et al. Manufacturing, mechanical and flame retardant properties of poly(lactic acid) biocomposites based on calcium magnesium phytate and carbon nanotubes. *Composites Part A-Applied Science and Manufacturing*, 2018, 110: 227-236.

[9] **Wei Yang***, Yun-Ran Zhang, Anthony Chun-Yin Yuen, Timothy Bo-Yuan Chen, Ming-Chung Chan, Li-Zhen Peng, et al. Synthesis of phosphorus-containing silane coupling agent for surface modification of glass fibers: Effective reinforcement and flame retardancy in poly(1,4-butylene terephthalate). *Chemical Engineering Journal*, 2017, 321: 257-267.

[10] Weiyi Xing, **Wei Yang***, Wenjie Yang, Qihang Hu, Jingyu Si, Hongdian Lu, et al. Functionalized carbon nanotubes with phosphorus- and nitrogen-containing agents: Effective reinforcer for thermal, mechanical and flame retardant properties of polystyrene nanocomposites. *ACS Applied Material & Interfaces*, 2016, 8(39): 26266-26274.

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[1] . MXene/ . 2019.09 201910914178.X

[2] . 2019.11 201911160773.5

[3] . 2019.10 201711250072.1

[4] 2018.04 201610177590.4

[5] 2018.08 201810871595.6

[6] 2017.11 201510762629.4

[7] 2017.10 201510762630.7

[8] 2016.03 201410024185.X

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