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Graphical Abstracts/Chin Chem Lett 29 (2018) iii-vi

Perspective

Biochemical reactions in metabolite-protein interaction

Wen Wang[a,b,c], Dinesh Singh Tekcham[a], Min Yan[a,b,c], Zhichao Wang[a,b,c], Huan Qi[a], Xiaolong Liu[a], Hai-Long Piao[a,b]

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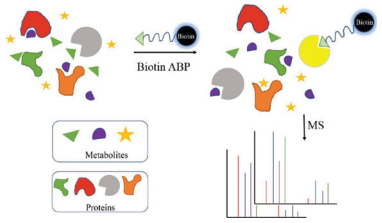
[c] *CAS Key Laboratory of Separation Science for Analytical Chemistry, Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian 116023, China*

An update on the recently developed chemical proteomics called activity-based protein profiling (ABPP) has been reviewed. ABPP is able to identify proteins interacted either covalently or non-covalently with metabolites significantly, which will facilitate the characterization of specific metabolite regulating proteins in human disease progression.

Chinese Chemical Letters 29 (2018) 645



Reviews

Biomarker-targeted fluorescent probes for breast cancer imaging

Dongfang Yue[a,b], Meiling Wang[a,b], Fei Deng[b,c], Wenting Yin[b], Haidong Zhao[a], Xiaoming Zhao[b], Zhaochao Xu[b]

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This review summarized fluorescent probes for breast cancer imaging according to different biomarkers probes recognized.

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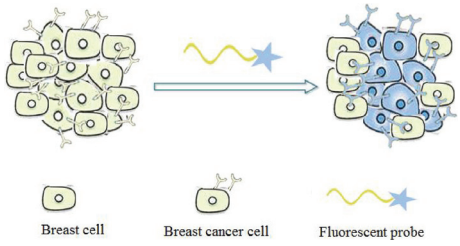

Rapid development in two-dimensional layered perovskite materials and their application in solar cells

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This review summarized recent research progresses of two-dimensional layered organic-inorganic hybrid perovskite materials and their photovoltaic performances in 2D perovskite solar cells.

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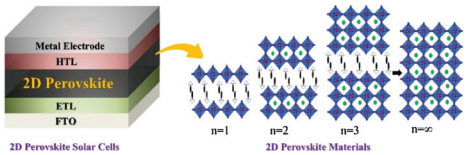

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