



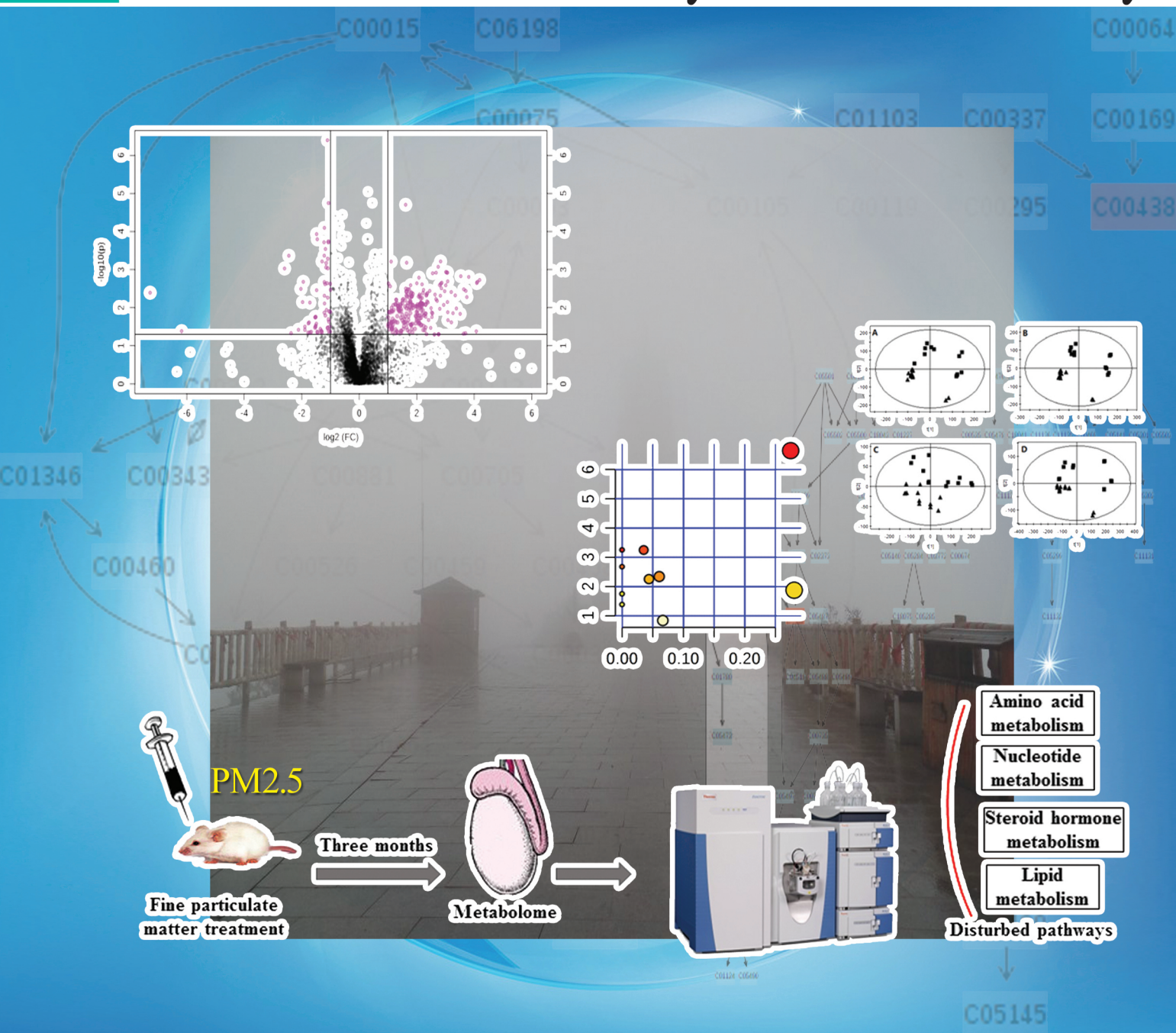
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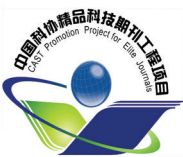


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分析化学

第45卷第5期 2017年5月

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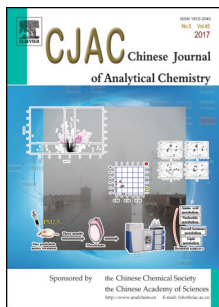
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On page 633–640, Wang et al used liquid chromatography-mass spectrometry (LC-MS) based metabolomics technique to investigate the metabolic disruption effect and reproductive toxicity mechanism of PM_{2.5} on rat testis. The results showed that control group and treatment group were clearly discriminated in the scoring plot of PLS-DA models, indicating PM_{2.5} treatment induced significant difference in testis metabolome. A total of 56 differential metabolites were identified, and further pathway analysis suggested that PM_{2.5} exposure induced amino acid and nucleotide metabolism disorder, steroid hormone metabolism imbalance and abnormal lipid metabolism.

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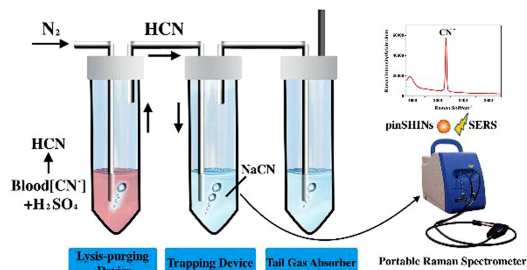
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ZHU Ying-Jie, GUO Lei, LIU Yi, GONG Ying, QIU Ze-Wu, WU Jian-Feng*, XIE Jian-Wei*

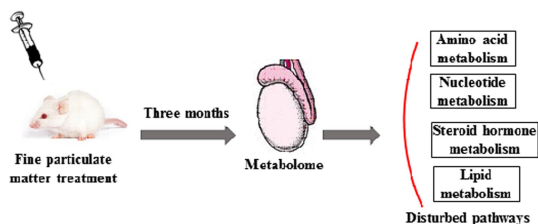
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★ Study on Reproductive Toxicity of Fine Particulate Matter by Metabolomics

WANG Xiao-Fei, JIANG Shou-Fang, ZHANG Wei-Bing*, ZHANG Ling-Yi, LIU Ying, DU Xiao-Yan, ZHANG Jie*, SHEN He-Qing

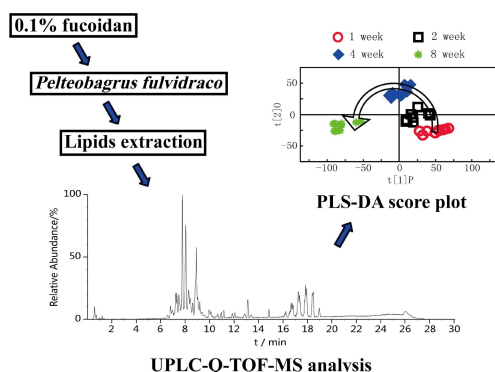
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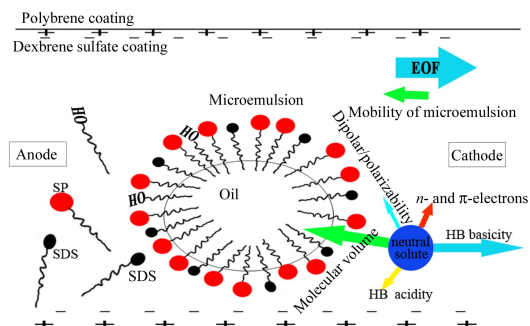
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SONG Jing, ZHENG Yuan, HUO Chang-Hong,
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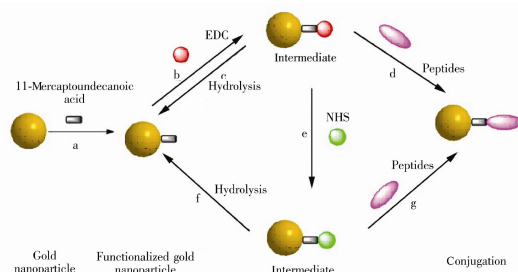
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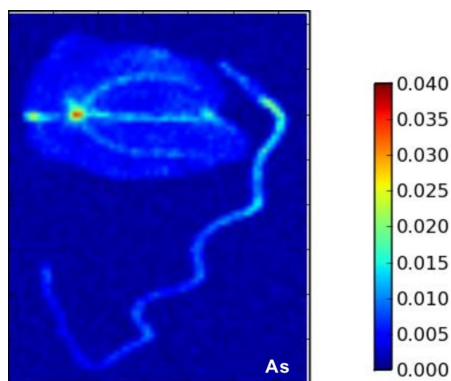
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CHU Bin-Bin, LUO Li-Qiang*, MA Yan-Hong

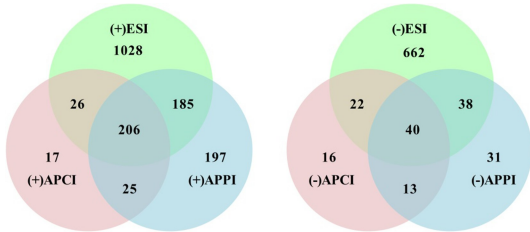
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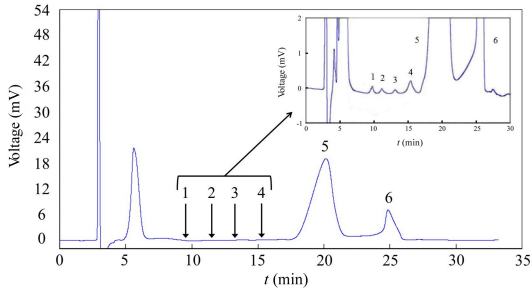
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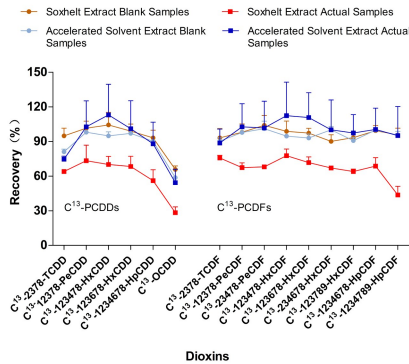
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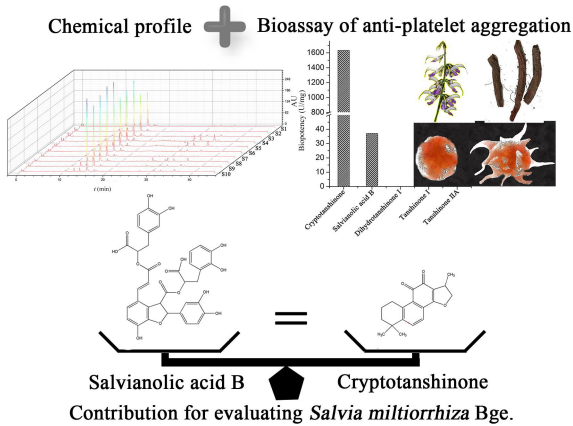
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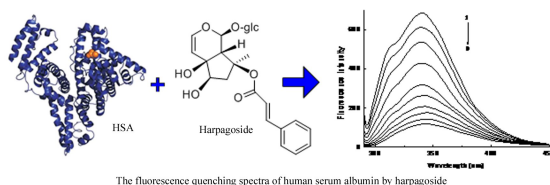
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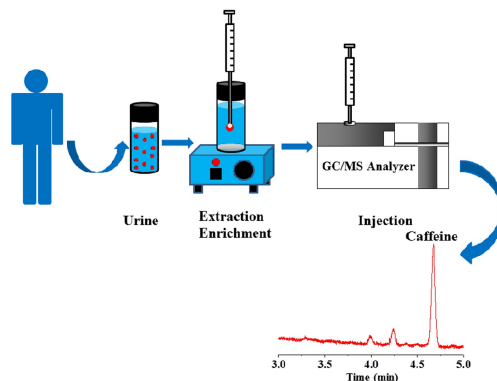
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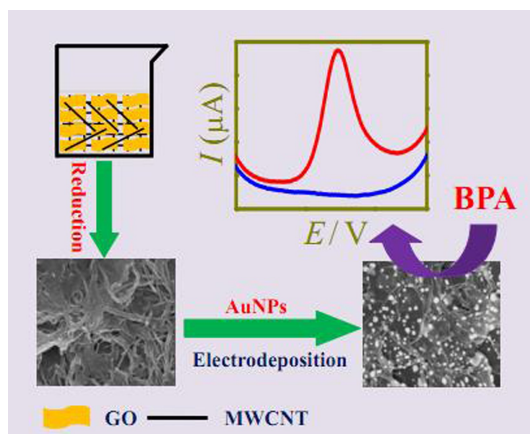
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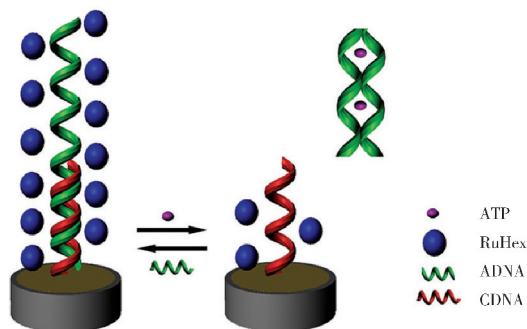
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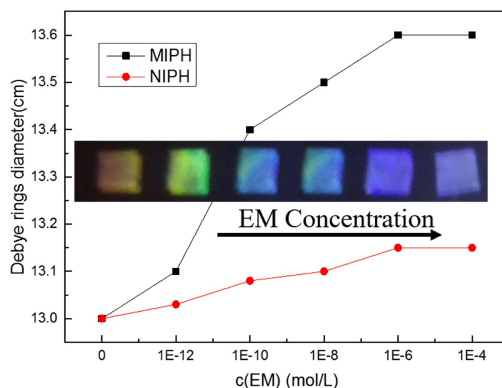
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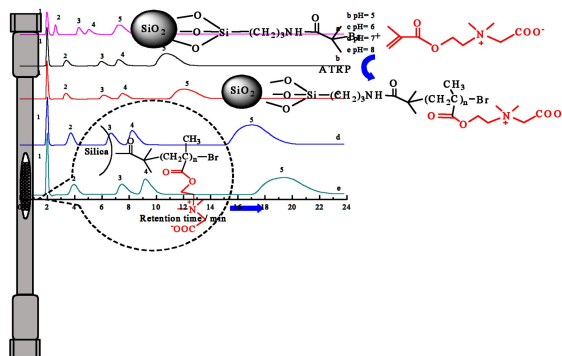
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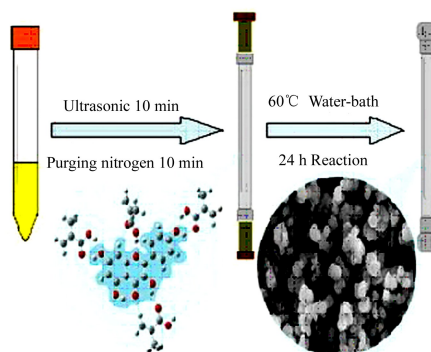
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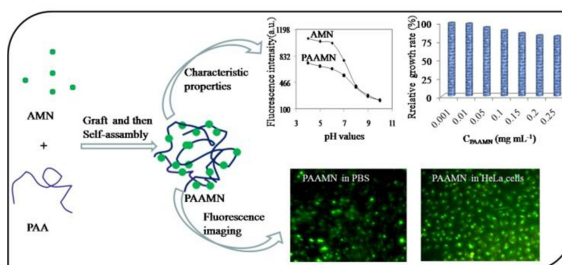
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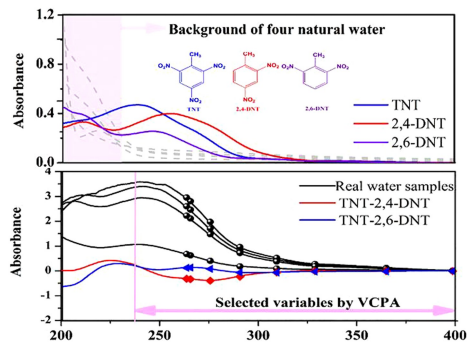


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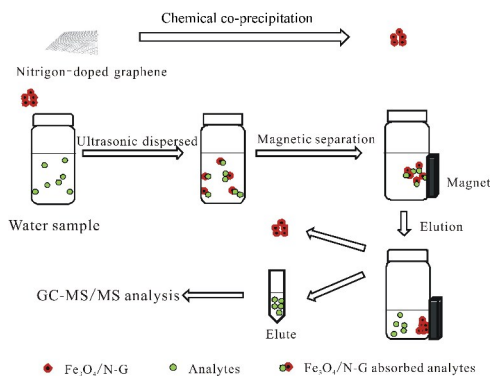


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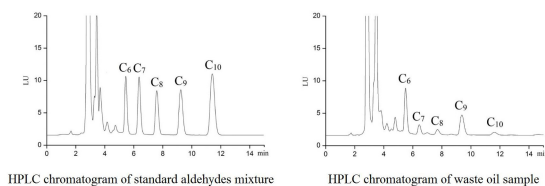
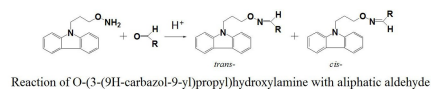


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WANG Wan, YU Qing-Feng, XIAO Ying *,

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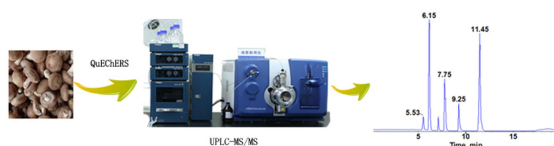
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* The author to whom the correspondence should be addressed

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