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分析化学

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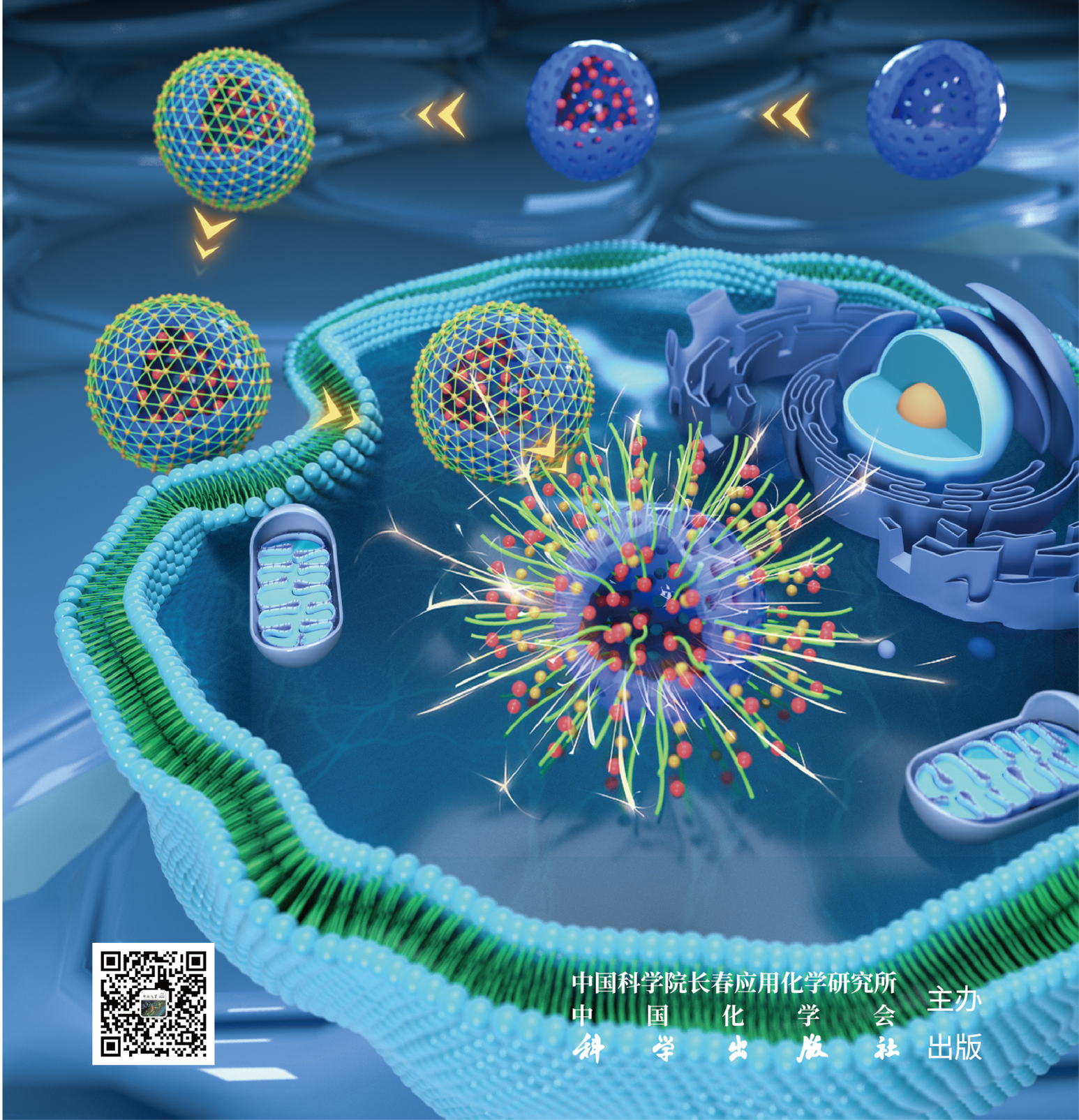

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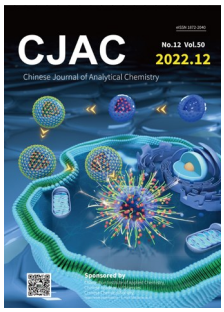

On pages 1813–1821, Li et al. developed a multifunctional nanodrug carrier (MSN@TA-Fe^{3+}) by modifying tannin (TA)/Fe^{3+} complexes on the surface of mesoporous silica (MSN). The prepared nanocomposite showed a high drug loading capacity (113.6 mg/g) for doxorubicin (DOX) and a stimuli-responsive release of DOX under acidic condition. Further, the MSN@TA-Fe^{3+} could catalyze the generation of ·OH from H_2O_2 under acidic condition, showing synergistic effect of chemodynamic and chemotherapy of cancer.

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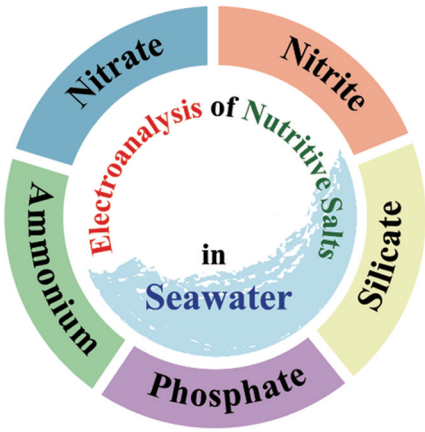

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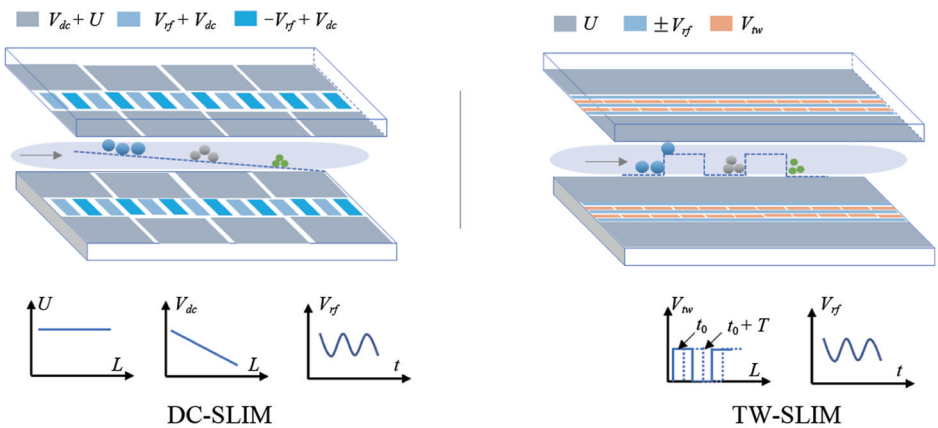

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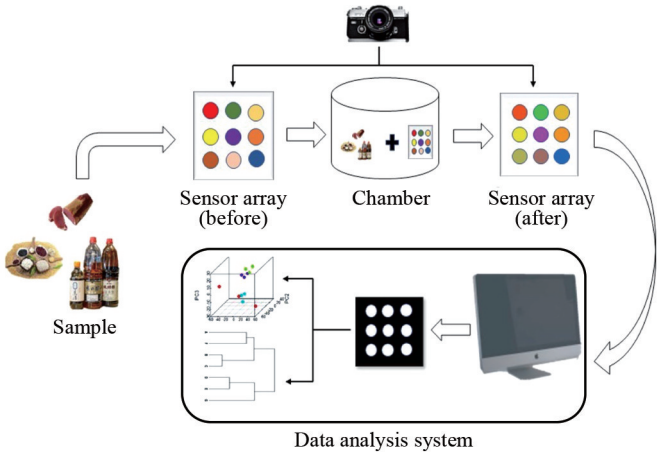

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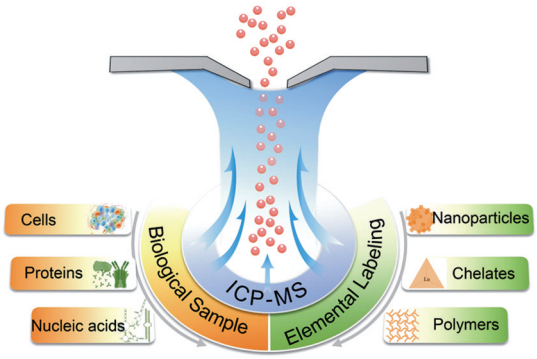

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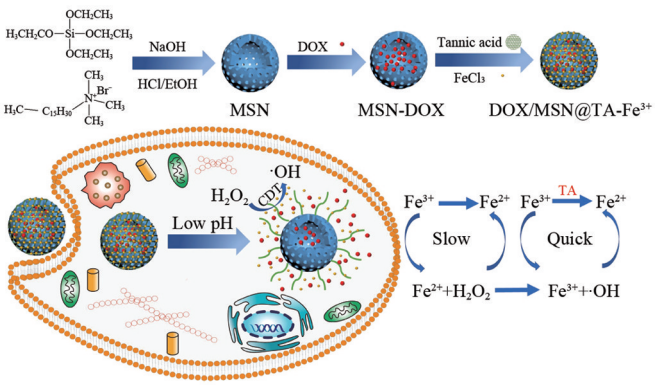

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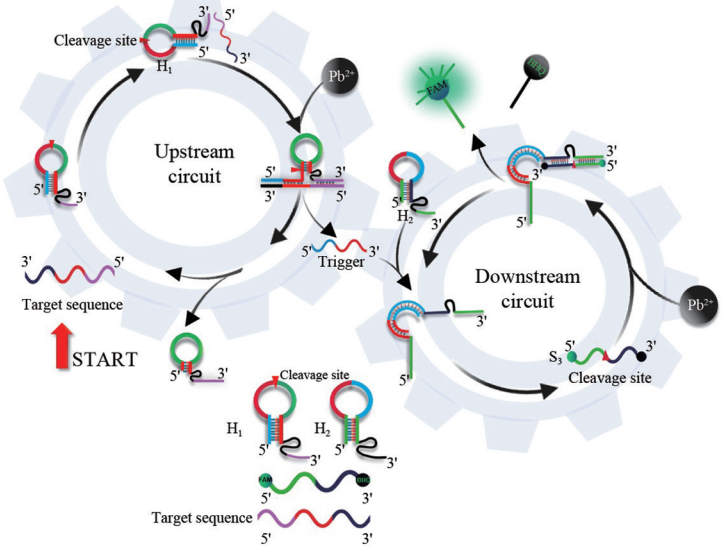

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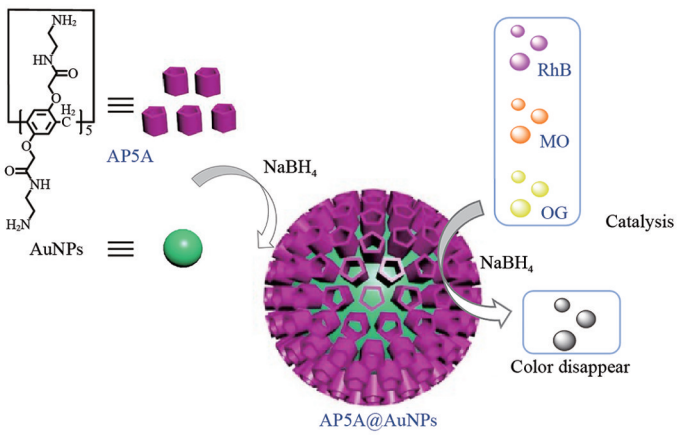

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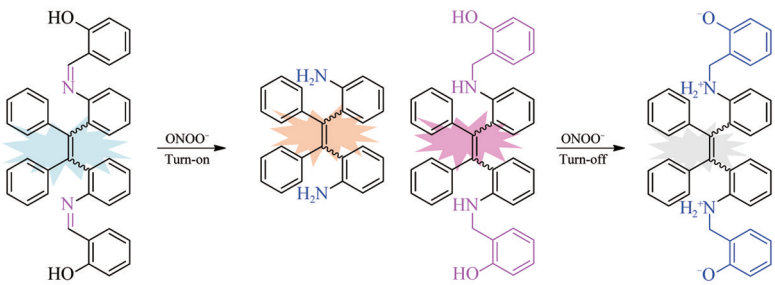

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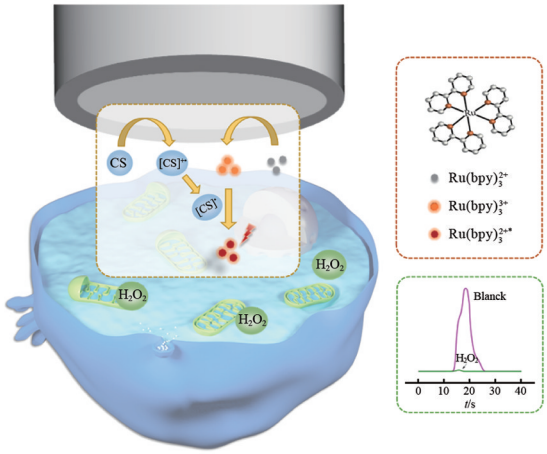

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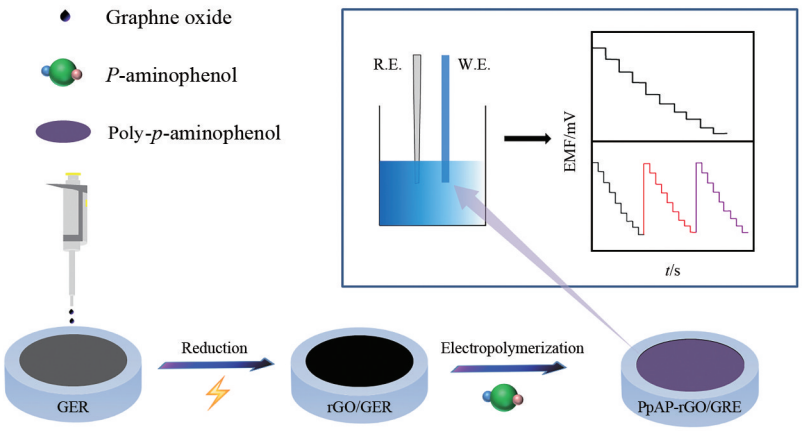

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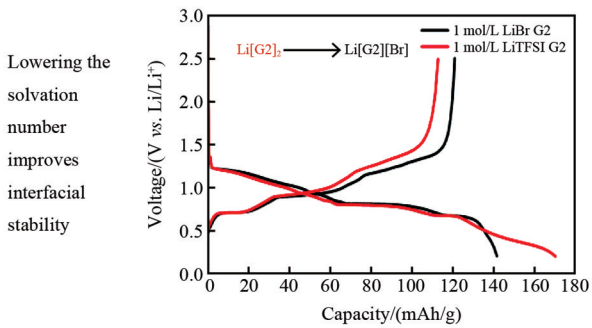

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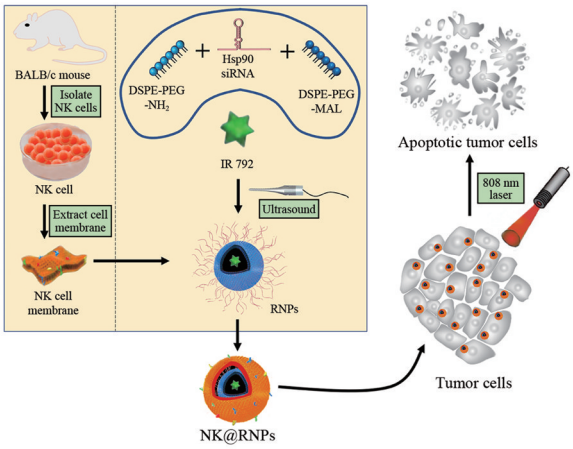

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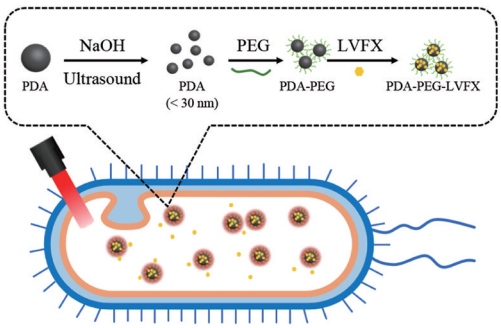

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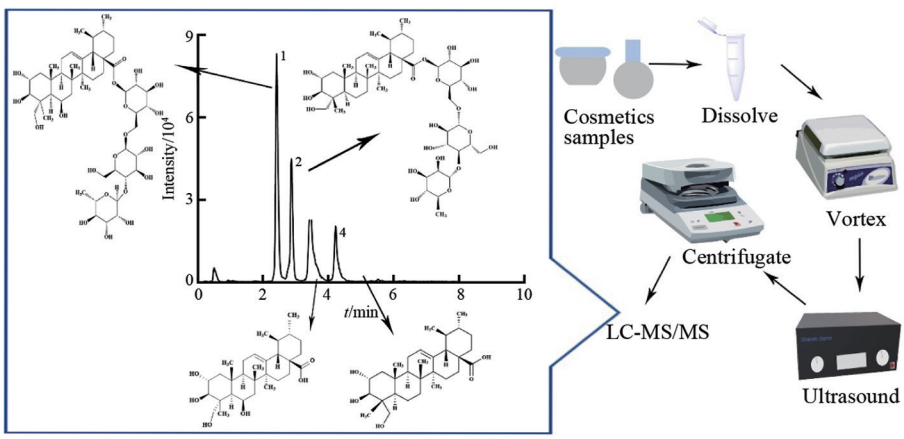

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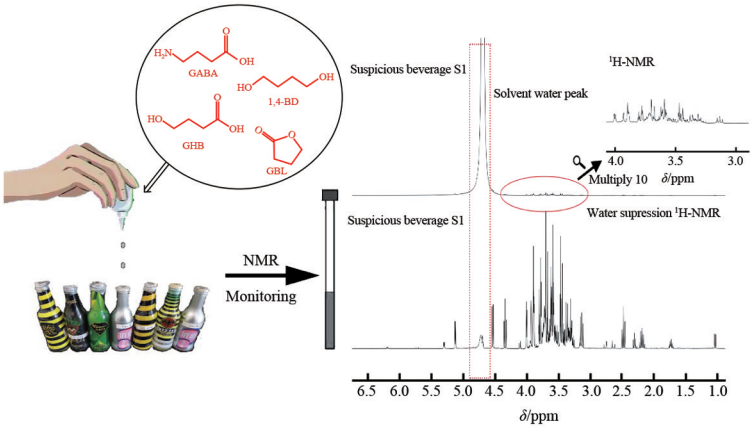

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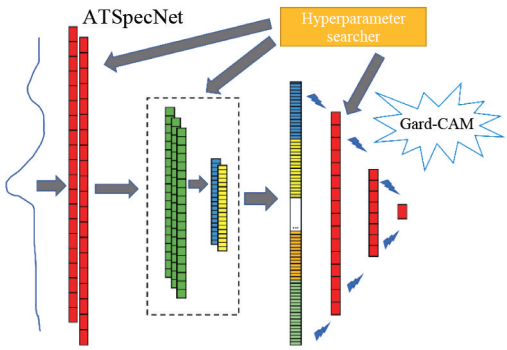

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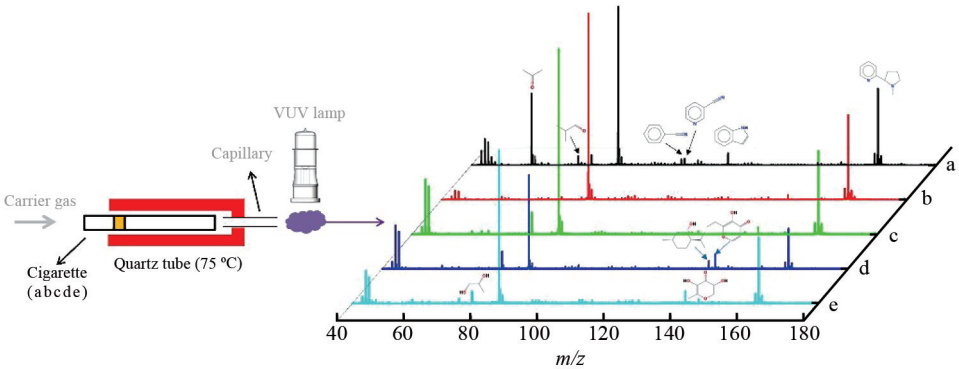

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