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Title: CoMoB/Al₂O₃ catalysts for hydrotreating of diesel fuel.
The effect of the way of the boron addition to a support or an
impregnating solution

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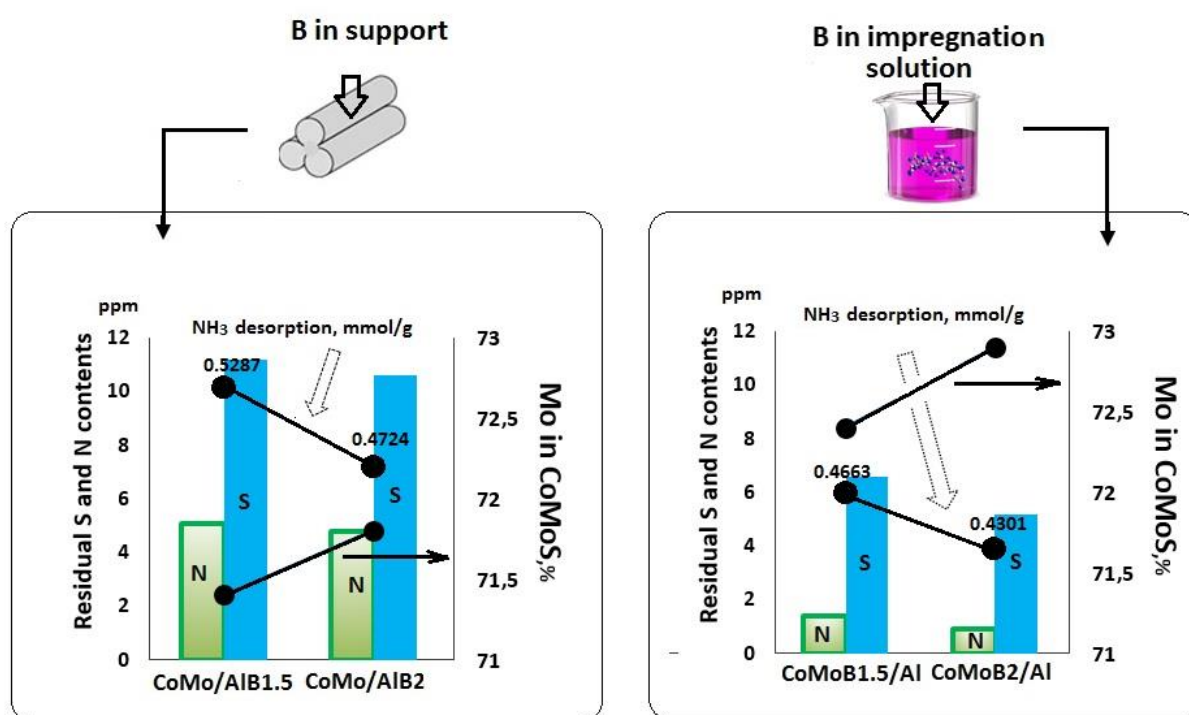
CoMoB/Al₂O₃ catalysts for hydrotreating of diesel fuel. The effect of the way of the boron addition to a support or an impregnating solution

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Graphical abstract



Highlights:

- For CoMo-B/Al₂O₃ catalyst, the increase of the B content results in:
- increase of HDS and HDN activity of catalysts;
 - increase of CoMoS phase content;
 - increase of the sulfiding degree of active metals;
 - increase of the concentration of visible sulfide particles in HRTEM images.
 - B in the solution has more pronounced effect on catalyst than B in the support.

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