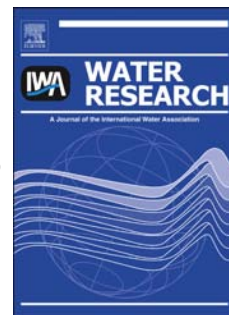


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Performance of aerobic granular sludge in A sequencing batch bioreactor exposed to ofloxacin, norfloxacin and ciprofloxacin

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Highlights

- Effect of ofloxacin, norfloxacin and ciprofloxacin on aerobic granules was studied;
- Fluoroquinolones adsorbed reversibly onto granular sludge, no biodegradation occurred;
- Prolonged fluoroquinolones feeding led to nitrate accumulation in the SBR effluent;
- Exposure to fluoroquinolones destabilized the granules;
- Granules quickly recovered after withdrawing fluoroquinolones from influent.

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