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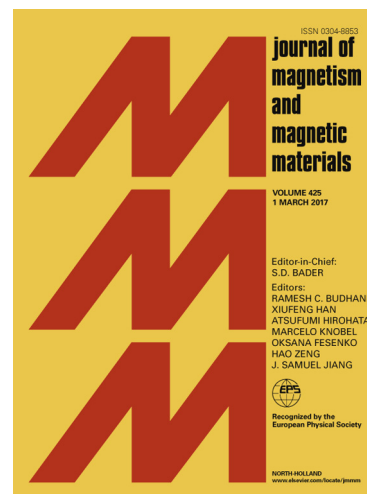
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List of highlights

- Foams made of thermoplastic elastomers reinforced with carbonyl iron particles were produced by foam injection molding.
- Carbonyl iron micro-particles allowed a remarkable improvement of the cellular morphology by strongly increasing the number of nucleated cells without increasing the final density.
- Carbonyl iron micro-particles imparted sensitivity to external magnetic field, making the lightweight composite material “smart”.

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