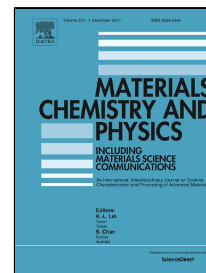


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Improved natural rubber composites reinforced with a complex filler network of biobased nanoparticles and ionomer

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Highlights

- Hydrophilic filler and ionomer form a complex filler network
- The complex filler network greatly improves the properties of rubber composites
- Modulus, tensile stress and reinforcement factor were significantly improved
- Great potential for improving rolling resistance in tire tread applications

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