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NONLINEAR ROBUST CONTROL FOR PARALLEL AC/DC TRANSMISSION SYSTEMS: A NEW ADAPTIVE BACK-STEPPING APPROACH

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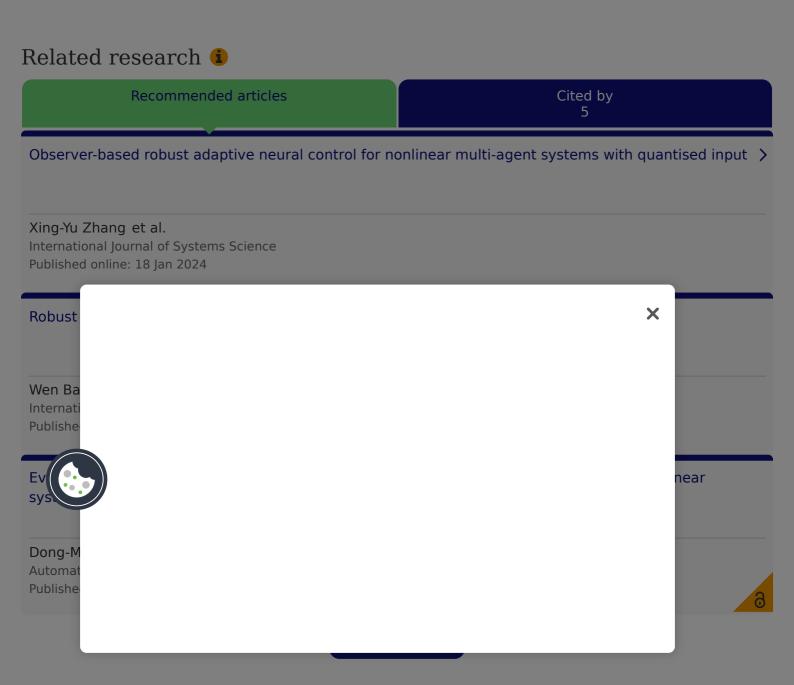
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Simulation results demonstrate that the proposed approach is better than the design

based on "classical" adaptive back-stepping in terms of properties of stability and parameter estimation and that it recovers the performance of the "full-information" controller, which is obtained by assuming that the parameters are known and apply standard back-stepping, hence it will be an alternative to practice engineering and applications.

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