Microgrid Yang Qi

Are microgrids a viable alternative to conventional power systems?
To facilitate the transformation from conventional power systems towards smart grids,the concept of microgrids has been widely applied in practice,serving as the medium to accommodate renewable generators. One crucial problem is the stability associated with microgrids.

Are microgrids the future of power delivery?
It's fair to say microgrids are now a central element in the conventional visionfor our future power delivery system. Ongoing research continues to focus on improving the basics,microgrid design,management,and control.

Who is Yang Qi?
Yang Qi (Member, IEEE) received the B.Sc. degree in electrical engineering from Xi'an Jiaotong University, Xi'an, China, in 2016, and the Ph.D. degree in electrical engineering from Nanyang Technological University, Singapore, in 2021.

Are microgrid energy management systems still popular?
Clearly from the figure,microgrid energy management systems continue attracting considerable attention,as do storage plus renewable energy (RE) generally,while many applications of optimization techniques continue to be popular.

For my undergraduate study, I major in the wide field of power system, including stability analysis, system operation and new power transmission technologies. Research on grid-scale batteries...

In a hydrogen-based DC microgrid (MG), the integration of hydrogen subsystem increases the system complexity and flexibility. Effective power split, bus voltage stability and reliable operation...

To achieve redundancy requirements for transportation electrification, a very commonly used method is to have multiple energy storage sources connected in parallel and feed a common DC bus through...

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Since 2021, he has been with the school of automation, Northwestern Polytechnical University, Xi"an, as an

Associate Professor. His research interests include modeling and control of ...

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The microgrid dominated by renewable energy is affected by regular weather conditions such as windless and sunless periods, leading to power supply shortages and severe regular power ...

We, the guest editors, thank everyone who has contributed to this virtual special issue (VSI), Microgrids 2025. Primarily, of course, we recognize the considerable effort by the authors of ...

Yang Qi, Associate Professor, Northwestern Polytechnical University, https://teacher.nwpu .cn/2021010049...

We introduce a prediction-free two-stage coordinated optimization framework, which generates the annual state-of-charge (SoC) reference for hydrogen storage offline.

Web: https://foires-salons.eu