Introduction for Energy

This Section on Energy invites high quality unpublished multidisciplinary research and review articles on state-of-the-art energy technology. The primary focus is on recently developed energy technology which is clean, sustainable and highly efficient, along with traditional fossil fuel based energy resources. More specifically, we encourage articles in the areas of energy conversion and efficiency, renewable and sustainable energy sources, including their applications, energy storage, and harvesting, energy transportation, smart grid, internet of energy, etc., covering all three major facets of energy in generation, transmission, and distribution. Applied Sciences in general and this Section on Energy in particular offers a high-quality peer review followed by a rapid publication decision.

Author Benefits

- CiteScore (2018 Scopus data) 2.52, which equals rank 41/275 in “General Engineering”
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Subject Area

Energy Conversion and Efficiency
- Gas Cycles
- Steam Cycles
- Energy Recovery
- Diesel Engines
- Combined Cycles
- Supercritical Steam Cycles
- Combustion
- Emission Control
- Electrical Energy Generation and Conversion
- Heat Convection
- Thermal Energy Storage
- Heat Pumps
- Thermodynamics

Fossil Fuels
- Natural gas
- Petroleum (upstream & downstream)
- Gasoline demand analysis
- Coal and Lignite
- Natural Gas
- Oil and Oil Shale
- Demand
- Industry and Refineries
- Mining
- Supply
- Pricing and Policy
- Coal Gasification

Renewable & Green Energy
- Photovoltaic
- Wave Power
- Tidal Power
- Thermal Solar Power
- Ocean Thermal Energy Conversion
- Hydro Power

Wind Energy
- Fluctuations in Wind Speed and Production
- Wind Energy Potentials
- Wind Turbine Designs
- Wind Farms
- Planning and Project Development

Solar Energy
- Solar Modeling
- Solar Radiation
- Solar boilers

Biofuels and Biomass
- Palm Oil
- Biodiesel
- Biogas
- Biofuel
- Biomass
- Charcoal
- Gasification
- Combustion/Incineration
- Pyrolysis
- Waste

Nuclear Energy
- Uranium
- Nuclear Safety
- Nuclear Power

Systems, Storage & Harvesting
- Hydrogen
- Fuel Cells
- electrolyzes
- Battery technologies
- Pumped Hydro
- Flywheel
- Superconducting Magnetic
- Supercapacitors
- Energy harvesting
- MEMS

Energy and Transportation
- Transportation and Energy
- Scenarios and Forecasting
- Emerging Technologies
- Electric Vehicles
- Underground (Metro)
- Automobiles and Gasoline
- More Electric and Full Electric Aircrafts
- Marine technology