Abstract Submitted
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Graphene in a Thermoelectric Battery KEITH PECK, Stephen F. Austin State University — This work looks at a thermoelectric battery that uses graphene and possible changes to the graphene to effect a change in the battery that will increase the voltage output. The differences in electrode coating processes, graphene substrates, and chemical solution, are investigated for their effects on the voltage output of the battery. We also look into possible effects of graphene orientation in the solution on voltage output as well as the variation of the voltage with temperature. This work is based on the paper "Self-Charged Graphene Battery Harvests Electricity from Thermal Energy of the Environment."

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