September 2020

IMPact@SUTD is a regular update featuring works by SUTD Faculty, Researchers, Students and Research Centres/Labs. We hope to create awareness of the Research by SUTD within the SUTD community and beyond. Share with us your SUTD works today so that we can include it in our next update.

Fabrication of paper microfluidic devices using a toner laser printer

RSC Advances

Design and development of a novel 3D-printed non-metallic self-locking prosthetic arm for a forequarter amputation

Prosthetics and Orthotics International

The associations between older adults’ daily travel pattern and objective and perceived built environment: A study of three neighbourhoods in Singapore

Transport Policy

A review on free-standing electrodes for energy-effective desalination: Recent advances and perspectives in capacitive deionization

Desalination

A Time Delay Estimation Based Adaptive Sliding Mode Strategy for Hybrid Impedance Control

IEEE Access

Analytical modeling of electrical conduction in relative-switching current-limiting-friendly combination frameworks

AP Advances

Body responses towards a morning walk in a tropical city

Landscape Research

Computational screening-LCA tools for early design stages

International Journal of Architectural Computing

Highly Sensitive Surface Plasmon Resonance Sensor Based on Graphene-Coated U-shaped Fiber

Plasmonics

Electrowetting-on-dielectric characteristics of ZnO nanorods

Scientific Reports

Fully asynchronous stochastic linear speedup

Mathematical Programming

Family of chaotic maps from game theory

Dynamical Systems-an International Journal

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