

However, traditional methods of fabricating bionic structures or interfaces, such as spraying [15], laser micro-fabrication [3] and moulding [16], are limited in their ability to ...

Journal of Bionic Engineering - Solar power, as one of renewable energy, holds potential application for producing steam which relies on high-temperature liquid by traditional ...

To maximise the utilisation rate of waste heat, the effects of different bionic channel structures (angular frequency $\omega = 20, 25$, and 30 rad/s ; amplitude $A = 1, 2$, and 3 mm ; ...

The solar steam generation efficiency (η) is calculated using the following formula [51]: $\eta = \frac{m \cdot h_{lv}}{I \cdot A}$ where m is the evaporation rate ($\text{kg m}^{-2} \text{ h}^{-1}$), h_{lv} is the ...

Energy generation method -- The type of energy generation method you choose will have a big impact on costs. Solar power, wind power, biomass, hydroelectric power, and other methods have different upfront costs ...

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