

the biomimetic office building pdf

Biomimetics or biomimicry is the imitation of the models, systems, and elements of nature for the purpose of solving complex human problems. The terms "biomimetics" and "biomimicry" derive from Ancient Greek: βίος (bios), life, and μίμησις (mimesis), imitation, from μέσθαι (mēsthai), to imitate, from μίμος (mimos), actor. A closely related field is bionics.

Biomimetics - Wikipedia

DxNow is combining novel, portable bio-imaging systems with microfluidic-based consumables for life science applications leveraging exclusively licensed technologies developed in the Demirci Bio-Acoustic MEMS in Medicine Labs (BAMM Labs) at Harvard Medical School/Brigham & Women's Hospital and Stanford Medicine.

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The concepts that seeded nanotechnology were first discussed in 1959 by renowned physicist Richard Feynman in his talk There's Plenty of Room at the Bottom, in which he described the possibility of synthesis via direct manipulation of atoms. The term "nano-technology" was first used by Norio Taniguchi in 1974, though it was not widely known.

Nanotechnology - Wikipedia

Breathing walls: The design of porous materials for heat exchange and decentralized ventilation

Breathing walls: The design of porous materials for heat

In my previous post "Office Ergonomics: Why Sitting Will Kill You" I discuss the physiological adaptations that your body experiences when spending long hours sitting. (See also "Another 1,001 Reasons to Avoid Sitting") This post builds on that and explores some healthy approaches to sitting which will help minimize the negative effects. ...

Office Ergonomics: Active Sitting " BeingHuman

Engineering seeks to create new processes, products, methods, materials, or systems that impact and are beneficial to our society. To enable its graduates to lead the advancement of technology, the Case School of Engineering offers fourteen degree programs at the undergraduate level (twelve engineering degrees, plus the BS in computer science and the BS in data science and analytics).

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14 Patterns of Biophilic Design - Terrapin Bright Green

The key structural features of these RAFT-agents are the so-called Z and R groups. The Z group for dithioesters (A) can be an alkyl or aryl functional group, such as CH₃ or phenyl for example. In xanthates (B) the Z group is an O-Y functionality, in dithiocarbamates (C) an -NYY² functionality and in trithiocarbonates (D) an "SR species. To date a very large number of RAFT agents covering ...

Reversible addition-fragmentation chain transfer (RAFT

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