

### **an introduction to metamaterials pdf**

Negative-index metamaterial or negative-index material (NIM) is a metamaterial whose refractive index for an electromagnetic wave has a negative value over some frequency range.. NIMs are constructed of periodic basic parts called unit cells, which are usually significantly smaller than the wavelength of the externally applied electromagnetic radiation. The unit cells of the first ...

### **Negative-index metamaterial - Wikipedia**

Metamaterials research and development are the core of the Kuang-Chi Research Institute of Advanced Technology (referred to as Kuang-Chi). Kuang-Chi is intended to establish the connection between fundamental research and industrial implementation.

### **Metamaterials: Reshape and Rethink - ScienceDirect**

Metamaterials are artificial electromagnetic media structured on a scale much shorter than their operating wavelength. Under this condition they can be considered as homogeneous media whose electromagnetic properties rely mainly on the basic cell rather than periodic effects as it is the case for photonic crystal or more generally electromagnetic band gap material.

### **Mie resonance-based dielectric metamaterials - ScienceDirect**

A superlens, or super lens, is a lens which uses metamaterials to go beyond the diffraction limit. The diffraction limit is a feature of conventional lenses and microscopes that limits the fineness of their resolution. Many lens designs have been proposed that go beyond the diffraction limit in some way, but constraints and obstacles face each of them.

### **Superlens - Wikipedia**

Fractal Antenna Systems custom designs, manufactures and licenses the world's most compact and powerful antennas for commercial and military applications.

### **Fractal Antenna: What's New**

8 International Symposium on Optronics in Defence & Security 6-8 February 2018 TH NOTIFICATION OF ACCEPTANCE OR REFUSAL PARTNERS The Conference Programme Committee will notify all the authors of its decision on September 28th, 2017.

### **International Symposium 2018**

With the discovery of the Higgs boson our picture of the subatomic world Xthe Standard Model Xis complete. But looking at the Universe on a larger scale, there are things the Standard Model cannot explain, including gravity, dark matter and several others.

### **Physics World Discovery - Books - IOPscience**

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