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Capacitors, like all electrical components ... by an insulator (the dielectric), you must pay attention to the maximum voltage allowed across it. If too much voltage is applied, the “breakdown” rating ...

Practical Considerations – Capacitors are engineering to provide the best dielectric or electrical-insulation properties. Electrical fishpaper is available

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in thinner gages and is more heat-resistant than many plastic materials. Other ...

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How carbon and cellulose-based materials have
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1 Department of Electrical and Computer

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light sources with precisely spaced
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...

Laser soliton microcombs heterogeneously
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Triboelectric nanogenerators use a
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Triboelectric nanogenerators to the rescue if you lose your sense of touch

2 Department of Electrical and Computer Engineering, National University of Singapore ... 1 Design of the 2D planar dielectric metasurface with an upper-limit number of six DOFs of the Jones matrix.

Toward the capacity limit of 2D planar Jones matrix with a single-layer metasurface

She received an MS in Electrical Engineering and a PhD in Physics and Mathematics from Tomsk State University, in Russia, and a second PhD in Materials from Penn State ...

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on Fano-Type Resonance ...

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Finding out just what an EMP could do to a plane would take big engineering and a large ... a large platform built entirely of dielectric material so as not to couple with incident EMP.

How To Test A B-52 Against EMP: Project ATLAS-I

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the Department of Electrical and Systems
Engineering at UPenn's ...

Metamaterial Device Can Act as Analog
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Tiny copper bumps are formed on dies and then
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providing small, fast electrical connections
between ... and step height between the
copper and dielectric ...

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Helion Energy Achieves 100 Million Degrees Celsius Fusion Fuel Temperature and Confirms 16-Month Continuous Operation of Its Fusion Generator Prototype

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the material multiple times. They tested more than 100 cycles ...

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