What is claimed is:

1. A material comprising sub-micrometer particles dispersed in a polymeric matrix, wherein the material has a major surface, wherein the sub-micrometer particles have particle sizes of at least 75 nm, wherein a portion of the sub-micrometer particles protrude from the major surface by up to 90 percent of their respective particle sizes, wherein the protruding sub-micrometer particles each have an exposed outer surface, wherein less than 50 percent of the exposed outer surface is covered by organic material.

2. The material of claim 1, wherein the sub-micrometer particles are covalently bonded to the polymeric matrix.

3. An article comprising a substrate having first and second generally opposed major surfaces with a layer of the material of either claim 1 or 2 on the first major surface.

4. A method of making an article, the method comprising:

providing a layer comprising sub-micrometer particles dispersed in a polymeric precursor matrix;

at least one of drying or curing the layer; and

etching the dried or cured layer, as applicable, to provide the article of claim 3.

5. A material comprising sub-micrometer particles dispersed in a polymeric matrix, wherein the material has a major surface, wherein the sub-micrometer particles have particle sizes of at least 75 nm, wherein a portion of the sub-micrometer particles protrude from the major surface in a range from 50 nm to 200 nm, ~~and~~ wherein a portion of the sub-micrometer particles protrude from the major surface by up to 90 percent of their respective particle sizes, wherein the protruding sub-micrometer particles each have an exposed outer surface, and wherein less than 50 percent of the exposed outer surface is covered by organic material.

6. The material of claim 5, wherein the sub-micrometer particles are covalently bonded to the polymeric matrix.

7. An article comprising a substrate having first and second generally opposed major surfaces with a layer of the material of either claim 5 or 6 on the first major surface.

8. A method of making an article, the method comprising:

providing a layer comprising sub-micrometer particles dispersed in a polymeric precursor matrix;

at least one of drying or curing the layer; and

etching the dried or cured layer, as applicable, to provide the ~~material~~ article of claims 7.

~~9. A material comprising sub-micrometer particles dispersed in a polymeric matrix, wherein the material has a major surface, wherein a portion of the sub-micrometer particles protrude from the major surface by up to 90 percent of their respective particle sizes, and wherein the sub-micrometer particles are covalently bonded to the polymeric matrix.~~

~~10. An article comprising a substrate having first and second generally opposed major surfaces with the layer of the material of claim 9 on the first major surface.~~

~~11. A method of making an article, the method comprising:~~

~~providing a layer comprising sub-micrometer particles dispersed in a polymeric matrix;~~

~~at least one of drying or curing the layer; and~~

~~etching the dried or cured layer, as applicable, to provide the material article of claim 10.~~