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Surface engineering is the sub-discipline of materials science

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which deals with the surface of solid matter. It has applications to chemistry, mechanical engineering, and electrical engineering. Solids are composed of a bulk material covered by a surface. The surface which bounds the bulk material is called the Surface phase. It acts as an interface to the surrounding environment. The bulk material in a solid is called the Bulk phase. The surface phase of a solid interacts with ...

## **Surface engineering - Wikipedia**

Effects of compositional engineering and surface passivation on the properties of halide perovskites: a theoretical understanding Junxian Liu , † a Jian Kang , † a Shan Chen , a Jessica Jein White , a Huajie Yin , a Porun Liu , a Huijun Zhao a and Yun Wang \* a

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Material surface characteristics are important for cell-material surface interactions. Three types of cell-material surface interactions can be defined, 76 as illustrated in Fig. 7.1, which is based on the concept proposed in Ref. 76. The first one is nonfouling interactions, in which case cells fail to interact with the material surface. 76 This type of interaction is preferred for various ...

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22 - Surfaces and Surface Properties Susan Trolier-McKinstry , Pennsylvania State University , Robert E. Newnham , Pennsylvania State University Publisher: Cambridge University Press

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polymeric poly-L-lysine (PLL) molecules affects the colloidal and biological properties of the resulting hybrid 2D nanomaterial.

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