

Supplementary Materials

Bio-inspired artificial receptor with integrated tactile sensing and pain warning perceptual abilities

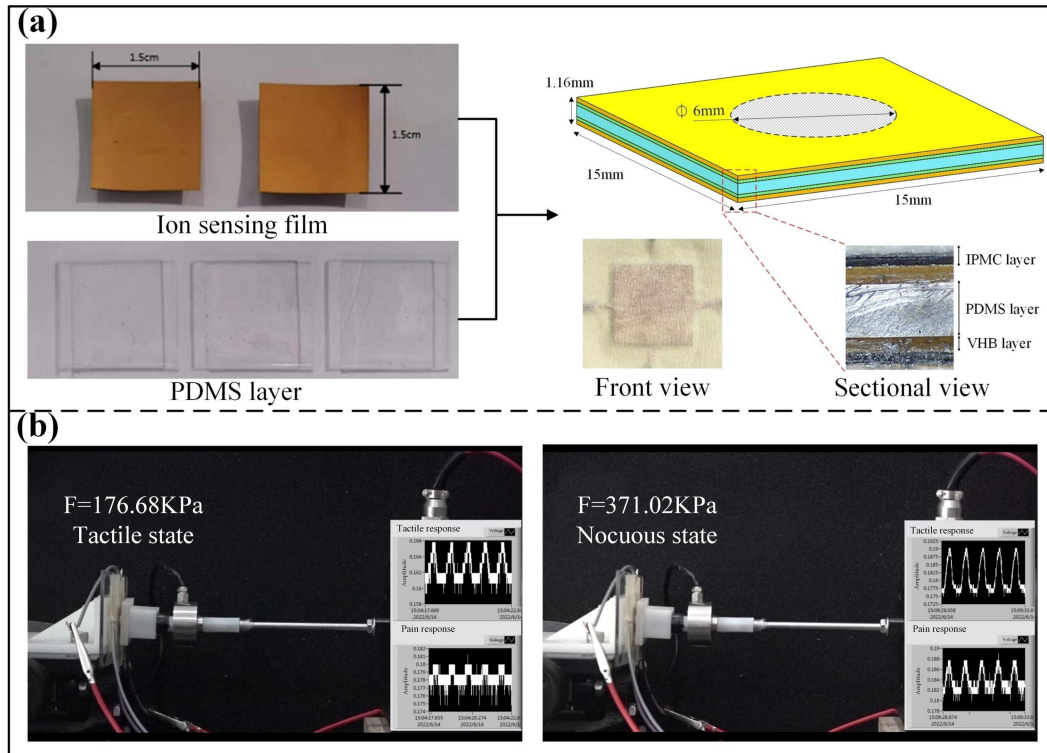


Figure S1. (a)The materials, front view and sectional view of artificial receptor (b)The pressure test experiments of artificial receptor.

Table S1. Material characteristic parameter

Materials	Elastic modulus (MPa)	Poisson's ratio (μ)	Density (g/cm ³)
IPMC	200	0.33	2.2
VHB	0.96	0.35	0.65
PDMS	2.3	0.43	1.10

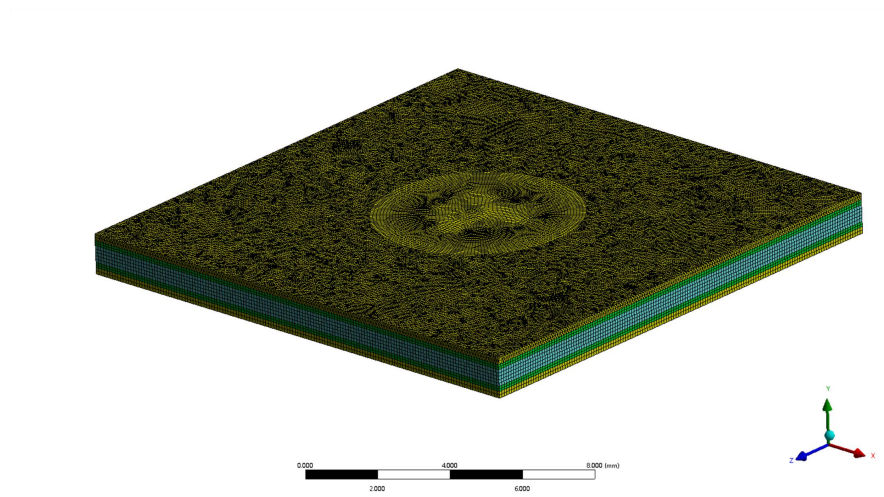


Figure S2. Schematic diagram of grid division