1. Record Nr. UNINA9910688595203321 Autore Khodaei Mehdi Titolo Superhydrophobic Surfaces / / Mehdi Khodaei, Xiuyong Chen, Hua Li London:,:IntechOpen,,2020 Pubbl/distr/stampa 1 online resource (130 pages) Descrizione fisica 535.84 Disciplina Soggetti Spectrum analysis Lingua di pubblicazione Inglese **Formato** Materiale a stampa Monografia Livello bibliografico During the past decade, the superhydrophobic surfaces, bio-inspired Sommario/riassunto non-wettable surfaces, have aroused worldwide interest. The super water-repellant surface has special characteristics such as low surface energy as well as hierarchical micro/nano surface roughness. These surfaces have many practical applications, from industrial to biomedical applications, including water/oil separation, self-cleaning, drag reduction, anti-fogging, anti-bacterial, anti-fouling, anti-icing, corrosion resistance, as well as many applications in industries such as marine, oil, and gas, aerospace, biomedicine etc. This book presents knowledge on the field of application of superhydrophobic surfaces.

Superhydrophobicity has become a hot topic in the academics as well as industries in different engineering and biomedicine research fields.