1. Record Nr. UNIORUON00140149

Autore	HUGGAT al-ISLAM SAID MUHAMMAD BAKR AL-HAKIM
Titolo	Al-'alaqat al-sura wa al-wilayyah / Huggat al-Islam Said Muhammad Baqr al-Hakim ; [a cura di] al-Hukumat al-Islamiyyah
Pubbl/distr/stampa	[S.l., : s.n.], 1390 H. [1960]
Descrizione fisica	37 p. ; 18 cm.
Classificazione	ARA VII
Soggetti	DIRITTO ISLAMICO
Lingua di pubblicazione	Arabo
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910557760803321

Titolo	Surface Treatment by Laser-Assisted Techniques
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2020 Basel, Switzerland : , : MDPI - Multidisciplinary Digital Publishing Institute, , 2020
Descrizione fisica	1 online resource (178 p.)
Soggetti	History of engineering and technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The book "Surface Treatment by Laser-Assisted Techniques" presents state-of-the-art research applications of lasers for surface modification. Applications in a broad spectrum of fields are presented:

the aircraft and automotive sector, the manufacturing industry, sensor development, electronics, biomedical engineering, or the energy sector. Several radiation sources are included, from pulsed lasers in the visible and near-infrared regions to continuous-wave mid-infrared laser sources. The different chapters of the book "Surface Treatment by Laser-Assisted Techniques" cover laser texturing at nanoscale and microscale for modification of hydrophobicity, hydrophilicity, and ice nucleation; the production of palladium, platinum and silver nanoparticles for sensor applications; the texturization of composite bioceramics for improved fixation in bone prosthesis; the surface texturization of natural ceramic materials by scanned laser radiation; the laser ablation of interfaces to enhance adhesion in dissimilar joints; the analysis of material thermoelastic response; and the production of highly polished topographies in pulsed laser surface modification. Moreover, the production of high-entropy alloy/diamond composite coatings, the modellization of the gas-powder injection, and the generation of thermal barrier coatings by laser cladding are reported in the last chapters of this book.