

1. Record Nr.	UNINA9910349478003321
Titolo	Advances in Materials Processing : Proceedings of Chinese Materials Conference 2017 // edited by Yafang Han
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2018
ISBN	981-13-0107-7
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XVIII, 1313 p. 839 illus., 534 illus. in color.)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4364
Disciplina	620.44
Soggetti	Surfaces (Technology) Thin films Manufactures Mathematical physics Coatings Tribology Corrosion and anti-corrosives Surfaces, Interfaces and Thin Film Machines, Tools, Processes Theoretical, Mathematical and Computational Physics Corrosion
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Analysis on the Major Environmental Factors Affecting the Weather Resistance of Polyester Coating -- Influence of Surface Buffer Layer Thickness and Deposition Rate on the Release Rate of Silver Ions in Ag-TiOx Nanocomposites -- Effect of Fiber Content on Surface Performance of Potassium Titanate Whiskers and Carbon Fiber-Reinforced Phenolic Composites.
Sommario/riassunto	This proceedings volume gathers selected papers presented at the Chinese Materials Conference 2017 (CMC2017), held in Yinchuan City, Ningxia, China, on July 06-12, 2017. This book covers a wide range of material surface science, advanced preparation and processing technologies of materials, high purity materials, silicon purification technology, solidification science and technology, performance and

structure safety of petroleum tubular goods and equipment materials, materials genomes, materials simulation, computation and design. The Chinese Materials Conference (CMC) is the most important serial conference of the Chinese Materials Research Society (C-MRS) and has been held each year since the early 1990s. The 2017 installment included 37 Symposia covering four fields: Advances in energy and environmental materials; High performance structural materials; Fundamental research on materials; and Advanced functional materials. More than 5500 participants attended the congress, and the organizers received more than 700 technical papers. Based on the recommendations of symposium organizers and after peer reviewing, 490 papers have been included in the present proceedings, which showcase the latest original research results in the field of materials, achieved by more than 300 research groups at various universities and research institutes.
