

1. Record Nr.	UNINA990009088430403321
Autore	Peczenik, Aleksander <1937- >
Titolo	On law and reason / Aleksander Peczenik
Pubbl/distr/stampa	[New York] : Springer, c2009
ISBN	978-1-4020-9706-5
Descrizione fisica	XVII, 364 p. ; 24 cm
Collana	Law and philosophy library ; 8
Locazione	DDR
Collocazione	XI ERM P 11
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Prefazione di Jaap C. Hage
2. Record Nr.	UNINA9910807845003321
Titolo	Material science and engineering technology II : selected, peer reviewed papers from the 2013 2nd International Conference on Material Science and Engineering Technology (ICMSET 2013), November 16-17, 2013, London, United Kingdom // edited by K. M. Gupta
Pubbl/distr/stampa	Zurich, Switzerland : , : Trans Tech Publications, , 2014
	©2014
ISBN	3-03826-344-3
Descrizione fisica	1 online resource (397 p.)
Collana	Advanced Materials Research, , 1662-8985 ; ; Volume 856
Altri autori (Persone)	GuptaK. M
Disciplina	620.11299
Soggetti	Materials science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.

## Nota di contenuto

Material Science and Engineering Technology II; Preface, Committees and Sponsor; Table of Contents; Chapter 1: Composite Materials; Fibrous Cerium (IV) Hydrogen Phosphate Membrane Self-Supported Benzimidazole Polymerization Agent; Polystyrene/Lamellar Germanium Phosphate Nanocomposite Membranes; Influence of Tool Geometry and Contact Condition on Friction Stir Welding of Al-Cu Laminated Composites; Ultrasound Assisted Synthesis of Visible Light Responsive Nitrogen Doped TiO<sub>2</sub> Nano Photocatalyst; Epoxy Emulsion Modified Engineered Cementitious Composite for Enhanced Pipeline Coating Study on the Dense-Packing Effect and Properties of Multi-Component Cementitious MaterialMachinability of Short Potassium Titanate Fiber Reinforced Aluminum Alloy Composites Fabricated by Squeeze Casting; Chapter 2. Chemical Materials and Technologies; The Effect of Silver and Silver-Platinum Doped Into 5A Zeolite on the Degradation of Naptalam; Preparation and Characterization of Au/Al<sub>2</sub>O<sub>3</sub> and Au-Fe/Al<sub>2</sub>O<sub>3</sub> Materials, Active and Selective Catalysts in Oxidation of Cyclohexene; In Situ Growth of Zinc Oxide Nanoparticles on Cotton Fabric Using Sonochemical Method  
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Optimization of Process Parameters of Diffusing Bonding of Titanium with Titanium and Titanium with Copper

## Sommario/riassunto

Collection of selected, peer reviewed papers from the 2013 2nd International Conference on Material Science and Engineering Technology (ICMSET 2013), November 16-17, 2013, London, United Kingdom. The 72 papers are grouped as follows: Chapter 1: Composite Materials; Chapter 2: Chemical Materials and Technologies; Chapter 3: Modelling and Analysis of Materials Properties and Technologies; Chapter 4: Nanomaterials and Nanotechnologies; Chapter 5: Advances in Energy Technology; Chapter 6: Applied Mechanics and Mechanical Engineering