ABSTRACT:

To date using of the adhesively bonded joints are increased in aerospace and automotive industries. In this short review, we present several key parameters affecting the strength of adhesion of metal specimen. The results of this review shows creation of grooves on the surface of the fastened sample increase the strength of adhesion.

Key Words:
Polymer, Strength of adhesion
Evaluation of mechanical, thermal and electrical properties of graphite base nanocomposites

Original Research, A2

Solomon T, Joeva R, Rodzina S.


A BSTRACT:

Key words: Graphite, Nanocomposites, Mechanical, Thermal
Investigation of Exfoliation and Intercalation in Clay Nanocomposites

Original Research, A3

Ali D.

Abstract:
In this study the effect of filling of clay nanoparticle in the polymer base composite and the intercalation, exfoliation ... completed exfoliation of silicate layers is the fundamental to reaching polymer/clay nanocomposites that perform well.

Key words: Exfoliation & Intercalation,

A Ringed Contact Friction and Boundary Lubrication Test instrument design

Original Research, A4

Rahman A. and Memedov B.

Abstract:
Keywords: Ringed contact, Friction, Boundary Lubrication

Abstract: Due to increase in the strategic and quality management programs in organizations, the need for a comprehensive approach to performance improvement has become evident. In this study, an integrative approach is proposed to develop an integrated model of organizational excellence and the balanced scorecard approach. The model is designed to identify the performance improvement priorities through an analysis of the relationship between the concepts of the EFQM Model and the balanced scorecard. The results indicate the necessity for a comprehensive and integrated approach to performance improvement. Finally, suggestions for managers and researchers are discussed.

Keywords: Priorities for Improvement, EFQM Model, Balanced Scorecard, QFD, TOPSIS Method
A New Method for Solving the Generalized Interval-Valued Fuzzy Numbers Linear Programming Problems

Mahmoodirad A., Hassasi H., Molla-Alizadeh-Zavardehi S., Esfahani M. J.

Abstract:
In this paper, we concentrate on linear programming problems in which the cost vector, the technological coefficients and the resources are interval-valued fuzzy numbers. These problems can be solved by the linear programming methods. Finally, we give an illustrative example and its numerical solutions.

Keywords: Linear Programming Problem, Generalized Interval-Valued Fuzzy Number

Ranking Tehran Healthcare Centers based on Service Quality using Fuzzy Data Envelopment Analysis

Tabatabaei Mehrizi S.M.

Abstract:
The customer is one of the most effective environmental factors in health services organizations. Experts of management, health and social security organizations and representatives of the first city health insurance were selected. These clinics were then ranked regarding the quality of their services using DEA.
Keywords: 

The Measuring Efficiency in Data Envelopment Analysis with Genetic Algorithm

Original Research, A8

Taghaodi R., Esfahani M.J., Molla-Alizadeh-Zavardehi S., Mahmoodi Rad A.

A BSTRACT:

Keywords: Data Envelopment analysis, Genetic Algorithm