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## **Influence Of Particle Size And**

For example, Kuscer et al. found that the effect of different particle sizes of alumina presents a notable influence on the microstructure, flexural strength, and coefficient of thermal expansion of cordierite ceramics.

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## **Influence of particle size on the structural and ...**

This paper examines the potential influence of particle-size distribution on stress-dilatancy behavior of granular materials from the results of 35 conventional drained triaxial compression tests. Seven different grain-size distribution curves of two different

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materials (glass beads and Péribonka sand) in the range of 63–2,000  $\mu\text{m}$  were tested at different normal pressures and initial relative densities.

## **Influence of Particle Size and Gradation on the Stress ...**

(b) Influence of Particle Size The particle size of a solid controls the surface area

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available for interactions between aqueous solution and the solid body. Larger surface area per mass or volume normally promotes rapid reaction, thus resulting in higher leached concentrations.

**Size of Particle - an overview | ScienceDirect Topics**

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Request PDF | Influence of particle size and particle loading on mechanical properties of silicon carbide - reinforced epoxy composites | In this study, the effect of particle size and particle ...

## **Influence of particle size and particle loading on ...**

Influence of the particle size on the

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viscoelastic glass transition of silica-filled polystyrene. Journal of Applied Polymer Science 2010, 115 (2) , 969-975. DOI: 10.1002/app.31048. Farhad Faghihi, Naser Mohammadi, Majid Haghgoo.

## **Influence of Particle Size and Polymer-Filler Coupling on ...**

The aim of this work was to study the

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influence of particle size on lipid digestion and  $\beta$ -carotene bioaccessibility using corn oil-in-water emulsions with different initial droplet diameters: large ( $d_{43} \approx 23 \mu\text{m}$ ); medium ( $d_{43} \approx 0.4 \mu\text{m}$ ); and small ( $d_{43} \approx 0.2 \mu\text{m}$ ). There was a progressive increase in the mean particle size of all the emulsions as they passed through a simulated

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gastrointestinal tract (GIT) consisting of mouth, stomach, and small intestine phases, which was ...

## **Influence of particle size on lipid digestion and $\beta$ ...**

In order to investigate the influence of paracetamol particle shape and size on the properties of paracetamol/MCC

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blends, two relatively small particle sized paracetamol samples were prepared by two different methods, micronization and a novel particle engineering technique technique.

## **Influence of particle size and shape on flowability and ...**

Influence of particle morphology and

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size distribution on the powder flowability and laser powder bed fusion manufacturability of Ti-6Al-4V alloy. Author links open overlay panel Salah Eddine Brika a Morgan Letenneur a Christopher Alex Dion b Vladimir Brailovski a. Show more.

### **Influence of particle morphology**

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## On The **and size distribution on ...**

In the 13% protein gels, the influence of the particles were diminished, and the effect of particle size was substantially reduced. The influence of these insoluble model filler particles was attributed to their ability to decrease the mobility of the aqueous phase, which explains their minor impact on more stable

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## **Gravelle | The Influence of Particle Size and Protein ...**

Adhesion and damage resistance is also improved by laser cladding. In this paper the influence of carbide particle size and distribution on the wear resistance of laser clad coatings is discussed. A nickel

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based matrix reinforced with WC/W<sub>2</sub>C carbides is deposited by a CO<sub>2</sub> laser on low carbon steel substrates.

## **Influence of tungsten carbide particle size and ...**

Influence of CR particle size on viscoelastic behavior It is generally believed that the linear viscoelasticity

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On The function is exceptionally susceptible to the change in the internal structure of modified asphalts,,.

## **Influence of crumb rubber particle size and SBS structure ...**

The influence of Moisture Content (MC), particle size and level of cereal-pulse blend on the glass transition ( $T_g$ ) and

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melt ( $T_m$ ) temperatures of a ready to eat cereal-pulse formulation was determined. All samples were moisture conditioned in a 9 to 27 % with 3 % interval.  $T_g$  and  $T_m$  were measured by phase transition analyser (PTA).

**Influence of moisture, particle size and pulse flour ...**

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The dominant influence of surfactants, additives, particles size and shape on the surface plasmon resonance (SPR) was found. SPR is considerably sensitive to the dielectric environment in addition to size and shape.

**Influence of particle size and dielectric environment on ...**

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The influence of particle size and an alkaline pretreatment on the anaerobic digestion of corn stover was studied.

Four particle sizes, 0.075 to 0.25, 0.25 to 1.0, 1.0 to 5.0, and 5.0 to 20.0 mm, were used.

## **Influence of Particle Size and Alkaline Pretreatment on ...**

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Overall, an increase in maize flour particle size decreases the values of water holding capacity (WHC), swelling volume and  $G'$  (elastic modulus) for the doughs. An increase in average particle size also increases diameter and spread factor of the cookies but decreases their hardness.

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## **Influence of Flour Particle Size Distribution on the ...**

In addition, we studied the influence of particle size on the efficacy of nanovaccines and illustrated the necessity of controlling the particle size in maximizing the immunogenicity of the nanovaccine. The nanovaccine studied here was designed to have multiple Nic-

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KLH conjugates attached on the surface of lipid-polymeric hybrid NPs.

### **A nanoparticle-based nicotine vaccine and the influence of ...**

Influence of barley grain particle size and treatment with citric acid on digestibility, ruminal fermentation and microbial protein synthesis in Holstein

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On The calves - Volume 11 Issue 8 - M. Kazemi-Bonchenari, A. Z. M. Salem, S. López

## **Influence of barley grain particle size and treatment with ...**

Influence of Particle Size on the Ultraviolet Spectrum of Particulate-Containing Solutions: Implications for In-Situ Concentration Monitoring Using

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UV/Vis Fiber-Optic Probes. For solutions containing small (submicron) felodipine particles, UV spectra were influenced by absorption of the particles and contributions from absorption of dissolved molecules and scattering of the particles.

## **Influence of Particle Size on the**

# Online Library Influence Of Particle Size And Temperature On The **Ultraviolet Spectrum of ...**

The influence of particle size and incubation time on the cytotoxic effect of UVC-emitting LuPO<sub>4</sub>:Pr<sup>3+</sup>,Nd<sup>3+</sup> particles after excitation with X-rays is investigated. Despite a decreasing UVC emission intensity of LuPO<sub>4</sub>:Pr<sup>3+</sup>,Nd<sup>3+</sup> with decreasing particle size, the cytotoxic effect of the combined

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treatment increases when reducing the  
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