

Interfacial Tension Reduction.pdf

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[INTERFACIAL TENSION MEASUREMENTS IN AN OIL/WATER/BACTERIA ...](#)

http://www.scaweb.org/assets/papers/2004_papers/SCA2004-10.pdf

Reduction in interfacial tension (IFT) by bacterial action is one of the proposed ... Interfacial modes probed in the present work had q-values in the range from

[Interfacial tension reduction in PBT/PE/clay nanocomposite](#)

http://rnmf.korea.ac.kr/publication/%eb%85%bc%eb%ac%b82008/%eb%85%bc%eb%ac%b8_21.pdf

ORIGINAL PAPER Interfacial tension reduction in PBT/PE/clay nanocomposite Joung Sook Hong & Yong Kyung Kim & Kyung Hyun Ahn & Seung Jong Lee & Chongyoun Kim

[Journal of Petroleum Science and Engineering](#)

http://web.engr.oregonstate.edu/~wildensd/Papers/Armstrong_MEOR_JPSE_2012.pdf

Herein, we focus on the MEOR mechanisms of interfacial tension reduction (via biosurfactant) ... Journal of Petroleum Science and Engineering 94-95 (2012) 155-163.

[Tech Data Sheet](#)

http://www.directnpakt.com/?dl_id=201

... highly water soluble formulation of anionic foaming agents and surfactants designed to produce maximum stable foam and interfacial tension reduction under a ...

[measurement of interfacial tension in hydrocarbon/water - ETD](#)

http://etd.lsu.edu/docs/available/etd-04242012-002135/unrestricted/Abdelrahim_thesis.pdf

relationship (Equation 4) between the magnitude of the interfacial tension reduction and dispersant concentration based on their experimental results:

[Wettability alteration and spontaneous imbibition in oil-wet ...](#)

http://www.owl.net.rice.edu/~gjh/Consortium/resources/Wettability_alteration_2006.pdf

wettability alteration and interfacial tension reduction. Cationic surfactants have been used to alter wetta- ... interfacial tension and the alteration of the ...

[EMULSIONS - KSU](#)

<http://faculty.ksu.edu.sa/13042/Documents/EMULSIONS.doc>

An emulsion is liquid preparation containing two immiscible liquids, one of which is dispersed as globules ... Reduction of the interfacial tension.

[Monday, June 13 - Clarkson University](#)

<http://www.clarkson.edu/camp/acs/docs/Session%2011%20-%20Guo-Weili.doc>

In this paper we report findings in synergistic interactions with respect to air-liquid interfacial tension reduction, lyotropic phase behavior and wetting.

[Optimization of Injection rate and Injection Time for ...](#)

<http://www.ijoaart.org/docs/Optimization-of-Injection-rate-and-Injection-Time-for-Surfactant-and-Water-Floodings-in-Oil-Fields.pdf>

Optimization of Injection rate and Injection Time for Surfactant and Water Floodings in Oil Fields ... by wettability alteration and interfacial tension reduction.

[THE INTERACTION OF WATER SOLUBLE MEAT PROTEINS WITH MONO](#)

<http://www.tandfonline.com/doi/pdf/10.1080/01932699008943258>

The reduction in interfacial tension with time at the aqueous-corn oil interface was monitored with a KrUss Digital Tensiometer K10 (KrUss GmbH, Hamburg, West Germany)

[Measurement of Interfacial Tension in Oil/Water/Dispersant Systems ...](#)

http://www.crrc.unh.edu/sites/crrc.unh.edu/files/media/docs/Workshops/r&d_forum_12/presentations/lisu_rao.pdf

Measurement of Interfacial Tension in Oil/Water/Dispersant Systems at Deepwater Conditions Dandina N. Rao Craft & Hawkins Department of Petroleum Engineering

[Hydrodynamic Pressure Acting on a Free Drop under Interfacial ...](#)

http://www.csm.ro/home/conf_cci/conf_09/istoric/proceedings/doc_files/stan_art_cci_05.doc

A radial interfacial tension gradient ($\gamma = \gamma_0 - \gamma_1$) ... as the effect due to a reduction of the drop interfacial tension at the injection point with surfactant.

[WATER RESOURCES RESEARCH, VOL. 46, W07537, doi:10.1029 ...](#)

http://pmr1.ce.gatech.edu/papers/Espinoza_2010c.pdf

Data Reduction: Interfacial Tension and Contact Angle [13] Images are scaled and digitally processed to find the interface boundary using the Canny edge detection algo-

[the effect of non-ionic surfactants on the interfacial tension between ...](#)

http://www.vurup.sk/sites/default/files/downloads/pc_2_2012_abedini_158.pdf

micellar aggregates, mixed surfactants had more influence on reduction of interfacial tension than individual surfactant. Acknowledgments We are very grateful to ...

[AFM Visualization of Polyelectrolyte Single Molecules ...](#)

<http://www.clarkson.edu/camp/acs/docs/Session%2011%20-%20Minko.doc>

The meso isomer exhibited a lower critical aggregation concentration and higher efficiency of interfacial tension reduction at the air water and decane water interfaces.

[Interfacial interactions and the stability of oil-in- water ...](#)

<http://pac.iupac.org/publications/pac/pdf/1992/pdf/6411x1721.pdf>

is in the kinetics of adsorption: there is a more rapid reduction in the interfacial tension with small mobile surfactant molecules than with adsorbing macromolecules.

[5th LACCEI International Latin American and Caribbean ...](#)

<http://www.laccei.org/LACCEI2007-Mexico/p181.doc>

... 1986): oil viscosity reduction, oil swelling, interfacial tension reduction, water-oil emulsification (formation of emulsions that control the water mobility) ...

[Investigation Static/Dynamic Surface and Interfacial Tension ...](#)

<http://www.tandfonline.com/doi/pdf/10.1080/019326990802551688>

The interfacial tension reduction is very important factor in the stability of emulsions.[13] The role of interfacial tension in the stability of nano-emulsion,

[SEAR - Surfactant Selection and Bench-Scale Testing](#)

http://www.navfac.navy.mil/content/dam/navfac/Specialty%20Centers/Engineering%20and%20Expeditionary%20Warfare%20Center/Environmental/Restoration/er_pdfs/s/sear-wkshp-06-surfactant-select-200010.pdf

or mobilization due to interfacial tension reduction. SEAR Surfactant Selection and Bench-Scale Testing 3 Soaps Sulfates Sulfonates Phosphates Sulfosuccinates

[Protein adsorption at the oil/water interface ...](#)

http://www.cchem.berkeley.edu/hwbgpr/publications/PDF/beverung_1999.pdf

Biophysical Chemistry 81 1999 59-180 Protein adsorption at the oil/water interface: characterization of adsorption kinetics by dynamic interfacial tension measurements

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