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Publications

Selected Journal Papers

1. Quoc Thien Pham; Nai-Shang Liou (2017, Aug). Investigating texture and mechanical properties of Asian pear flesh by compression tests. *Journal of Mechanical Science and Technology*, Volume 31, Issue 8, pp 3671-3674.
2. Choo, K. Ching, Y. C. Chuah, C. H. Julai, S. Liou, N. S. (2016, Aug). Preparation and Characterization of Polyvinyl Alcohol-Chitosan Composite Films Reinforced with Cellulose Nanofiber. *Materials*, 9(8).
3. Ching, Y. C. Ali, M. E. Abdullah, L. C. Choo, K. W. Kuan, Y. C. Julaihi, S. J. Chuah, C. H. Liou, N. S. (2016, Apr). Rheological properties of cellulose nanocrystal-embedded polymer composites: a review. *Cellulose*, 23(2), 1011-1030.
4. Goh, Kar Yin; Ching, Yern Chee; Chuah, Cheng Hock; Abdullah, Luqman Chuah; Liou, Nai-Shang (2016, Feb). Individualization of microfibrillated celluloses from oil palm empty fruit bunch: comparative studies between acid hydrolysis and ammonium persulfate oxidation. *Cellulose*, 23(1), 379-390.
5. Hsu, P. H. Huang, S. Y. Chiang, C. C. Tsai, L. Wang, S. H. Liou, N. S. (2016). Dynamic Friction Properties of Stainless Steels. *Dynamic Behavior of Materials, Vol 1*, (1), 149-154. (
6. Rahman, A. Ching, Y. C. Ching, K. Y. Awanis, N. Chakraborty, A. K. Chuah, C. H. Liou, N. S. (2015, Nov). Surface Modification of Natural Fiber using Bi₂O₃/TiO₂ Composite for Photocatalytic Self-cleaning. *Bioresources*, 10(4), 7405-7418.
7. Yong, C. K., Ching, Y. C., Chuah, C. H., Liou, N. S. (2015, May). Effect of Fiber Orientation on Mechanical Properties of Kenaf-Reinforced Polymer Composite. *Bioresources*, 10(2), 2597-2608.

8. Ali, M. E., Yong, C. K., Ching, Y. C., Chuah, C. H., Liou, N. S. (2015, Feb). Effect of Single and Double Stage Chemically Treated Kenaf Fibers on Mechanical Properties of Polyvinyl Alcohol Film. *Bioresources*, 10(1), 822-838.

Selected Conference Papers

1. Q.T. Pham, N.-S. Liou and L. Tsai (2016, Dec). Investigating Mechanical Properties of Jujube Flesh under Impact Load. 2017 SEM Annual Conference & Exposition on Experimental & Applied Mechanics, Indianapolis, Indiana USA.
2. Q. T. Pham and N.-S. Liou* (2016, Nov). Investigating Texture and Mechanical Properties of Asia Pear Flesh by Compression Tests. Asian Conference on Experimental Mechanics 2016, Jeju, Korea. MOST 104-2633-E-218-001.
3. W.-B. Ke, Y.-Z. Xie and N.-S. Liou (2016, Nov). INVESTIGATING THE EFFECTS OF RIPENESS ON TEXTURE PROPERTIES OF GUAVA. 17th International Conference on Experimental Mechanics (ICEM 17), Rhodes, Greece. MOST 104-2633-E-218-001.
4. B.-H. Wu, W.-B. Ke, and N.-S. Liou (2016, Jun). Investigating Time Dependent Mechanical Properties of Guava by Compression Tests. 2016 SEM 13th International Congress & Exposition on Experimental and Applied Mechanics, Orlando, FL USA.
5. Wu Bin-Han, Liou Nai-Shang, 高木 均, 中垣内 アントニオ (2015, Sep). セルロースナノファイバーシートの時間依存性を有する機械的性質の観察. 日本機械学会 2015 年度年次大会, Sapporo, Japan. MOST 101-2221-E-218-026-MY3.
6. B.-H. Wu, S. Topaiboul, N. Moonpa and N.-S. Liou (2015, Jun). Investigating the Effects of Storage on Texture Properties of Guava Species. SEM 2015 Annual Conference & Exposition on Experimental and Applied Mechanics, Costa Mesa, California, USA,
7. B.-H. Wu, S. Topaiboul, N.-S. Liou (2015, Mar). Investigating Texture Properties in Four Different Guava Species. 4th International Engineering Symposium, Kumamoto, Japan.
8. C.-C Guo, N. Phantkankam, N. Moonpa and N.-S. Liou (2015, Mar). Investigating Mechanical Properties of Sapwood and Heartwood of *Millettia Leucantha* Kurz in Thailand. 4th International Engineering Symposium, Kumamoto, Japan. MOST 101-2221-E-218-026-MY3.
9. S.C. Tsai, M.-C. Lu, V.H. Mai, Nai-Shang Liou (2015, Mar). The Application of Fluid-Structure Interaction Analysis to Biomechanics. International Forum on Advanced Technologies, IFAT2015, Tokushima, Japan.
10. Niwat MOONPA, Nai-Shang LIOU, Subongkoj TOPAIBOUL (2014, Aug). Effect of Amylose Ratio on the Elastic and Viscoelastic Properties of Thai Rice. The 6th International Conference on Science, Technology and Innovation for Sustainable Well-Being (STISWB VI), Siem Reap, Kingdom of Cambodia.
11. Bui, T.A.; Lu, C.-T.; Liou, N.-S. (2013, Mar). Investigating Time Dependent Mechanical Properties of Epoxy/Al₂O₃ Nanocomposites. 3rd International Engineering Symposium, Kumamoto, Japan.
12. Le, V.C.; Topaiboul, S.; Bangphan, S.; Moonpa, N.; Liou, N.-S. (2013, Mar). The Effect of Amylose Ratio on the Mechanical Properties of Rice Grain. 3rd International Engineering Symposium, Kumamoto, Japan.