Most journals and magazines devoted to the paper industry contain a mixture of news, features and some technical articles. However, very few contain research items, and even fewer of these are peer-reviewed.

This listing contains the most recent articles from the five main journals that publish original research:

- APPITA JOURNAL
- IPPTA JOURNAL
- J-FOR
- NORDIC PULP & PAPER RESEARCH JOURNAL
- TAPPI JOURNAL

The Paper Industry Technical Association (PITA) is an independent organisation which operates for the general benefit of its members – both individual and corporate – dedicated to promoting and improving the technical and scientific knowledge of those working in the UK pulp and paper industry. Formed in 1960, it serves the Industry, both manufacturers and suppliers, by providing a forum for members to meet and network; it organises visits, conferences and training seminars that cover all aspects of papermaking science. It also publishes the prestigious journal *Paper Technology* and the *PITA Annual Review*, both sent free to members, and a range of other technical publications which include conference proceedings and the acclaimed *Essential Guide to Aqueous Coating*. 
APPITA JOURNAL, Vol.70, No.4, Oct-Dec 2017
1. The potential of bagasse soda pulp as a strength enhancer for old corrugated pulp
2. Effect of blending banana stem and hardwood pulps on sizing, ash retention, physical strength and optical properties of paper
3. Preparation of strong and stiff papers through surface sizing with starch and APMS
4. Peroxide bleaching of mechanical pulp from Pinus Radiata
5. Expansion of Wesley Vale Mill Mechanical Pulp Production using Peroxide ‘Steep’ Bleaching

APPITA JOURNAL, Vol.71, No.1, Jan-Mar 2018
1. Application of laccase positive Bacillis tequilensis strain for pulp and paper mill wastewater treatment
2. How can we improve strength property of dry formed papers?
3. Strength improvement of dry-formed paper by spraying of dry strength agent and hot pressing
4. Improving floc stability of precipitated calcium carbonate by incorporation of cellulose nanofibres

IPPTA JOURNAL, Vol.29, No.2, Apr-Jun 2017
1. Effect of Morphological Characteristics of Indegenous Fibers (E. Tereticornis and S. Officinarum) and their Effect on Paper Properties
2. Low Chemical Pulping of Biotreated Jute Fibre for Making Handmade Paper
3. Pollution Reduction from Pulp Bleaching Effluents by Process Change
5. Enhancing Printing and Optical properties of Paper by using Improved Techniques of Filler Retention
6. Growth and Yield of Poplar (Populus deltoids) Grown in Telangana / Andhra Prasdes
7. Dependence of Softness Perception on Tissue Physical Properties and Development of Neural Model for Predicting Softness
8. Preparation of Flame Retardant and Smoke Suppression Paper using Ammonium Polyphosphate (APP)-Diatomite as Filler

IPPTA JOURNAL, Vol.29, No.3, Jul-Sep 2017
1. Buckman Develops Third Generation Maximyze® for Recycled Packaging
2. Future of Food Packaging Industry with New Generation Bio-Polymer
3. Improved Strength and Better Sheet Stability with Duoshake
5. Prediction of Half Tone and Back Trap Mottle for Offset Printing
7. Recycled Fiber used in Shanying Paper
8. Special Packaging Paper Development – for Carton which withstand Cold Storage and Sea Worthy Export
9. Technological Advancement in Bulk and Stiffness Improvement for Duplex Board Making Industries in India
IPPTA JOURNAL, Vol.29, No.4, Oct-Dec 2017
2. Enhancing Black Liquor Evaporation Capacity Through Process Reengineering
4. Maintenance of Rollers for Paper Industry
5. Maintenance Strategies Cost Reduction and Quality Improvement
7. Optimisation if De-inked Pulp (DIP) HD Tower Dilution Control (Re-Engineering)
9. Re-engineering and Best Maintenance Practices (ITC BhadraChalam)
10. Re-engineering and Best Maintenance Practices (ITC PSPD)
11. Sustained Growth with Maintenance Best Practices and Re-engineering Efforts in TNPL
12. Thermography as a Tool to Improve Reliability
13. Valmet Mill Engineering – Global Quality with Local Flavor
14. The Profile: Key to Reengineering Screening

J-FOR, Vol.6, No.5, 2017
1. Optimization of a biomass procurement network with integrated forest harvesting for an eastern Canadian newsprint mill
2. A study of kraft lignin acid precipitation in aqueous solutions using focused beam reflectance measurement (FBRM®)
3. Leagile strategy implementation for supplying forest raw materials to the bioeconomy

J-FOR, Vol.6, No.6, 2017
1. Keynote Speech by Derek Page at the 2010 Progress in Paper Physics Seminar in Montreal, Canada
2. Page’s Theory of Tensile Strength and the Stress-strain Properties of Paper
3. Dr. Derek Page’s Contributions to the Measurement and Impact of Fibre Strength and Structure on Paper Properties
4. Dr. Page’s Contributions to Wood Fibre Characterization and Properties
5. A Fracture-based Description for the Development of Tensile and Tear Strength in Paper
6. Determination of Wall Thickness and Fibril Angle of Wood Pulp Fibres using Circularly Polarized Light

NORDIC PULP & PAPER RESEARCH JOURNAL, Vol.32 No.4, 2017 (Lignin Special)
1. Editorial: From understanding the biological function of lignin in plants to production of colloidal lignin particles
2. Carbohydrate-free and highly soluble softwood kraft lignin fractions by aqueous acetone evaporation
3. Variation in susceptibility to microbial lignin oxidation in a set of wheat straw cultivars: influence of genetic, seasonal and environmental factors
4. Filtration properties of kraft lignin: The influence of xylan and precipitation conditions
5. What are the biological functions of lignin and its complexation with carbohydrates?
6. On the effect of hemicellulose removal on cellulose-lignin interactions
7. Structural changes of lignin in biorefinery pretreatments and consequences to enzyme-lignin interactions
8. Self-association and aggregation of kraft lignins via electrolyte and nonionic surfactant regulation: stabilization of lignin particles and effects on filtration
9. Scaling Up Production of Colloidal Lignin Particles
10. Study on setting of the stepper motor current value for the dilution profile actuator
11. Preparation and synthesis of water-soluble chitosan derivative incorporated in ultrasonic-assistant wheat straw paper for antibacterial food-packaging
12. Process intensification in mechanical pulping
13. High purity dissolving pulp from jute
14. Using spent sulfite liquor for valuable fungal biomass production by Aspergillus oryzae
15. Successive twin-wire roll forming of two-ply paper with softwood kraft pulp and recycled pulp - effect of kraft-ply formation on Z-strength
16. Effects of the polymeric additives on the stickies formation in recycled fibers based papermaking process
17. Upgrading waste whitewater fines from a pinus radiata thermomechanical pulping mill
18. Fly ash based composite fillers modified by carbonation and the properties of filled paper
19. Suitable approach using agricultural residues for pulp and paper manufacturing
20. Strengthening wood fiber networks by adsorption of complexes of chitosan with dialdehyde starch
21. Effect of composting of paper mill sludge for land spreading

TAPPI JOURNAL, November 2017
1. Editorial: Celebrating Wayne Carr: A true recycling visionary
2. The Chinese ban on recovered paper imports: An international disruption
3. New automated method for macrocontaminant analysis: Industrial applications
4. Innovative technology for making improved paper from the poorest fibers
5. Improved deinking and stickies removal

TAPPI JOURNAL, January 2018
1. Editorial: The changing face of the coated paper industry
2. Slot die coating of nanocellulose on paperboard
3. Discrete element method to predict coating failure mechanisms
4. Contrasting underlying mechanisms of different barrier coating types
5. Print quality of flexographic printed paperboard related to coating composition and structure

TAPPI JOURNAL, February 2018
1. Static and dynamic sorption of lignin removed Populus euramerica
2. Functionalization of wood/plant-based natural cellulose fibers with nanomaterials: a review
3. Editorial: New lignocellulosics address consumer expectations and industry prosperity
4. Activated carbon from potassium hydroxide spent liquor lignin using phosphoric acid
5. Lignocellulose fibers elaborating super-swollen three-dimensional cellulose hydrogels from solution in N, N-dimethylacetamide/lithium chloride
TAPPI JOURNAL, March 2018
1. Guest Editorial: China’s State Key Laboratory of Pulp and Paper Engineering
2. Lignin — a promising biomass resource
3. Controlling porosity and density of nanocellulose aerogels for superhydrophobic light materials
4. An effective method for determining the retention and distribution of cellulose nanofibrils in paper handsheets by dye labelling
5. Photo-catalytic degradation of gaseous pollutants in paper mills of southern China

TAPPI JOURNAL, April 2018
1. Editorial: Shifts and gains in research funding
2. Online measurement of bulk, tensile, brightness, and oven dry content of bleached chemithermomechanical pulp using visible and near infrared spectroscopy
3. Importance of specimen preparation for edgewise compressive strength (ECT) testing
4. On the nominal transverse shear strain to characterize the severity of creasing
5. Monitoring the free Lime Content in the Lime Mud Using Zeta Potential