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### 2021

#### **Failure investigation of a fractured vent line.**

Brewitt NP, Spowage AC and Mustapha KB. *Engineering Failure Analysis* vol. 124,.

### 2019

#### **Failure of copper wires in a railway Motor Operation Contact.**

Nigel B, Andrew S, Ian C and Neil C. *Engineering Failure Analysis* vol. 108, 104214-104214.Elsevier.

### 2015

#### **Review of Control and Sensor System of Flexible Manipulator.**

Kiang CT, Spowage A and Yoong CK. *Journal of Intelligent and Robotic Systems: Theory and Applications* vol. 77, (1) 187-213.

### 2013

#### **Forensic corrosion engineering.**

Spowage A. *Corrosion and Materials* vol. 38, (6) 35-39.

#### **Investigating the effect of deforming temperature on the oil-binding capacity of palm oil based shortening.**

Kanagaratnam S, Enamul Hoque M, Mat Sahri M and Spowage A. *Journal of Food Engineering* vol. 118, (1) 90-99.

### 2011

#### **Developing a project management methodology for use in doctoral research projects.**

Chin CMM, Spowage AC, Yap EH and Lee CW. *Journal of Institutional Research South East Asia* vol. 9, (1) 5-26.

#### **Characterization of nanoprecipitation mechanisms during isochronal aging of a pseudo-binary Al-8.7 at. pct Li alloy.**

Spowage AC and Bray S. *Metallurgical and Materials Transactions a: Physical Metallurgy and Materials Science* vol. 42, (1) 227-230.

#### **Developing and evaluating a project management methodology (PMM) for university-industry collaborative projects.**

May CCM, Hwa YE and Spowage A. *Product Management & Development* vol. 9, (2) 121-135.

### 2006

#### **Development of characterisation methodologies for macroporous materials.**

Spowage AC, Shacklock AP, Malcolm AA, May SL, Tong L and Kennedy AR. *Journal of Porous Materials* vol. 13, (3) 431-438.

### 2005

#### **Planar nanogrinding of a fine grained WC-Co composite for an optical surface finish.**

Yin L, Pickering JP, Ramesh K, Huang H, Spowage AC and Vancoille EYJ. *International Journal of Advanced Manufacturing Technology* vol. 26, (7-8) 766-773.

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2004

**Surface integrity when machining age hardened Inconel 718 with coated carbide cutting tools.**

Arunachalam RM, Mannan MA and Spowage AC. *International Journal of Machine Tools and Manufacture* vol. 44, (14) 1481-1491.

**Residual stress and surface roughness when facing age hardened Inconel 718 with CBN and ceramic cutting tools.**

Arunachalam RM, Mannan MA and Spowage AC. *International Journal of Machine Tools and Manufacture* vol. 44, (9) 879-887.

**Characterisation of dissimilar joints in laser welding of steel-kovar, copper-steel and copper-aluminium.**

Mai TA and Spowage AC. *Materials Science and Engineering A* vol. 374, (1-2) 224-233.

**Influence of microstructure on ultraprecision grinding of cemented carbides.**

Yin L, Spowage AC, Ramesh K, Huang H, Pickering JP and Vancoille EYJ. *International Journal of Machine Tools and Manufacture* vol. 44, (5) 533-543.