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### **2021**

#### **Photo-Actuation Stress of Ultra-Drawn Chain-Extended Polyethylene.**

Bhatti MRA, Bilotti E, Peijs T and Bastiaansen CWM. *Acs Applied Polymer Materials.American Chemical Society.*

### **2020**

#### **Photo-thermal actuation of ultra-drawn high-density polyethylene.**

Bhatti MRA, Bilotti E, Zhang H, Bastiaansen CWM and Peijs T. *Polymer vol. 207,.Elsevier.*

#### **Ultra-High Actuation Stress Polymer Actuators as Light-Driven Artificial Muscles.**

Bhatti MRA, Bilotti E, Zhang H, Varghese S, Verpaalen RCP, Schenning APHJ, Bastiaansen CWM and Peijs T. *Acs Applied Materials & Interfaces vol. 12, (29) 33210-33218.*

#### **Fast, Light-Responsive, Metal-Like Polymer Actuators Generating High Stresses at Low Strain.**

Verpaalen RCP, Varghese S, Froyen A, Pilz da Cunha M, Pouderoijen MJ, Severn JR, Bhatti MRA, Peijs T, Bastiaansen CWM, Debije MG, Engels TAP and Schenning APHJ. *Matter vol. 2, (6) 1522-1534.Elsevier.*

### **2019**

#### **Polylactic acid/lyocell fibre as an eco-friendly alternative to polyethylene terephthalate/cotton fibre blended yarns and knitted fabrics.**

Jabbar A, Tausif M, Tahir HR, Basit A, Bhatti MRA and Abbas G. *Journal of The Textile Institute vol. 111, (1) 129-138.Taylor & Francis.*

### **2018**

#### **Effect of key process variables on mechanical properties of blended vortex spun yarns.**

Bhatti MRA, Tausif M, Mir MA, Umar M and Cassidy T. *Journal of The Textile Institute vol. 110, (6) 932-940.*