Kit-Lun Yick

List of Publications by Year
in descending order

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88 papers	1,860 citations	430874 18 h-index	276875 41 g-index
92 all docs	92 docs citations	92 times ranked	1552 citing authors

#	Article	IF	Citations
1	Analysis of dynamic vertical breast displacement for the design of seamless moulded bras. Journal of the Textile Institute, 2022, 113, 637-646.	1.9	3
2	3D Printing Auxetic Architectures for Hypertrophic Scar Therapy. Macromolecular Materials and Engineering, 2022, 307, .	3.6	20
3	Novel weft-knitted spacer structure with silicone tube and foam inlays for cushioning insoles. Journal of Industrial Textiles, 2022, 51, 6463S-6483S.	2.4	5
4	Mechanical and Thermal Behaviours of Weft-Knitted Spacer Fabric Structure with Inlays for Insole Applications. Polymers, 2022, 14, 619.	4.5	3
5	Non-linear finite element model established on pectoralis major muscle to investigate large breast motions of senior women for bra design. Textile Reseach Journal, 2022, 92, 3511-3521.	2.2	3
6	Foot deformation analysis with different load-bearing conditions to enhance diabetic footwear designs. PLoS ONE, 2022, 17, e0264233.	2.5	6
7	Curvature control of weft-knitted spacer fabric through elastic inlay. Textile Reseach Journal, 2022, 92, 3826-3837.	2.2	1
8	3D printed auxetic heel pads for patients with diabetic mellitus. Computers in Biology and Medicine, 2022, 146, 105582.	7.0	9
9	Effects of textile-fabricated insole on foot skin temperature and humidity for enhancing footwear thermal comfort. Applied Ergonomics, 2022, 104, 103803.	3.1	3
10	Development of fully fashioned knitted spacer fabric bra cup: one-step production from yarn. Materials and Design, 2022, 219, 110825.	7.0	2
11	An understanding of bra design features to improve bra fit and design for older Chinese women. Textile Reseach Journal, 2021, 91, 406-420.	2.2	10
12	Design of novel buoyant swimming vest using inlay knitting technology. Textile Reseach Journal, 2021, 91, 1155-1166.	2.2	2
13	The use of textiles and materials for orthopedic footwear insoles. , 2021, , 361-388.		2
14	Impact of postural variation on hand measurements: Three-dimensional anatomical analysis. PLoS ONE, 2021, 16, e0250428.	2.5	5
15	Finite Element Analysis on Contact Pressure and 3D Breast Deformation for Application in Womenâ€™s Bras. Fibers and Polymers, 2021, 22, 2910-2921.	2.1	6
16	Analysis of length of finger segments with different hand postures to enhance glove design. Applied Ergonomics, 2021, 94, 103409.	3.1	5
17	Hallux valgus orthosis characteristics and effectiveness: a systematic review with meta-analysis. BMJ Open, 2021, 11, e047273.	1.9	8
18	The immediate effects of hallux valgus orthoses: A comparison of orthosis designs. Gait and Posture, 2021, 90, 283-288.	1.4	4

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19	Novel weft-knitted spacer structure with silicone tube inlay for enhancing mechanical behavior. Mechanics of Advanced Materials and Structures, 2020, , 1-12.	2.6	7
20	Effect of Contacting Surface on the Performance of Thin-Film Force and Pressure Sensors. Sensors, 2020, 20, 6863.	3.8	7
21	A study of using a simple 2D image analysis method to monitor the surface area of hypertrophic scars on hand during pressure therapy. Burns, 2020, 46, 1548-1555.	1.9	0
22	The effect of support surface and footwear condition on postural sway and lower limb muscle action of the older women. PLoS ONE, 2020, 15, e0234140.	2.5	13
23	Finite-element modelling of elastic woven tapes for bra design applications. Journal of the Textile Institute, 2020, 111, 1470-1480.	1.9	5
24	Development of laid-in knitted fabric for buoyant swimwear. Journal of Industrial Textiles, 2020, , 152808371990093.	2.4	4
25	Soft manikin as tool to evaluate bra features and pressure. International Journal of Fashion Design, Technology and Education, 2020, 13, 204-212.	1.6	3
26	A Novel Bespoke Hypertrophic Scar Treatment: Actualizing Hybrid Pressure and Silicone Therapies with 3D Printing and Scanning. International Journal of Bioprinting, 2020, 7, 327.	3.4	3
27	Compression technology. , 2020, , 119-137.		0
28	Title is missing!. , 2020, 15, e0234140.		0
29	Title is missing!. , 2020, 15, e0234140.		0
30	Title is missing!. , 2020, 15, e0234140.		0
31	Title is missing!. , 2020, 15, e0234140.		0
32	Title is missing!. , 2020, 15, e0234140.		0
33	Title is missing!. , 2020, 15, e0234140.		0
34	Insights into footwear preferences and insole design to improve thermal environment of footwear. International Journal of Fashion Design, Technology and Education, 2019, 12, 325-334.	1.6	9
35	Analysis of Insole Geometry and Deformity by Using a Three-Dimensional Image Processing Technique: A Preliminary Study. Journal of the American Podiatric Medical Association, 2019, 109, 98-107.	0.3	3
36	Instrumental Evaluation of Dry Heat Loss of Footwear Under Different Activity Levels. IEEE Access, 2019, 7, 65319-65331.	4.2	2

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37	3D bra and human interactive modeling using finite element method for bra design. CAD Computer Aided Design, 2019, 114, 13-27.	2.7	23
38	Influence of Textured Indoor Footwear on Posture Stability of Older Women Based on Center-of-Pressure Measurements. Human Factors, 2019, 61, 1247-1260.	3.5	13
39	Optimization method for the determination of Mooney-Rivlin material coefficients of the human breasts in-vivo using static and dynamic finite element models. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 90, 615-625.	3.1	13
40	Effectiveness of blended learning in the first year of fashion education. International Journal of Fashion Design, Technology and Education, 2019, 12, 178-188.	1.6	19
41	Effects of heel height and high-heel experience on foot stability during quiet standing. Gait and Posture, 2019, 68, 252-257.	1.4	15
42	Improving quality of teaching and learning in classes by using augmented reality video. Computers and Education, 2019, 128, 88-101.	8.3	113
43	Mechanical and Clinical Evaluation of a Shape Memory Alloy and Conventional Struts in a Flexible Scoliotic Brace. Annals of Biomedical Engineering, 2018, 46, 1194-1205.	2.5	15
44	The biomechanical effects and perceived comfort of textile-fabricated insoles during straight line walking. Prosthetics and Orthotics International, 2018, 42, 153-162.	1.0	12
45	Investigation of Microclimate in Sports Shoes with the Integration of Human Subjective Sensations. Key Engineering Materials, 2018, 765, 140-146.	0.4	6
46	Effects of In-Shoe Midsole Cushioning on Leg Muscle Balance and Co-Contraction with Increased Heel Height During Walking. Journal of the American Podiatric Medical Association, 2018, 108, 449-457.	0.3	5
47	Modeling of Flexible Polyurethane Foam Shrinkage for Bra Cup Moulding Process Control. Polymers, 2018, 10, 472.	4.5	4
48	Effects of Slipper Features and Properties on Walking and Sit-to-Stand Tasks of Older Women. Journal of Aging and Physical Activity, 2017, 25, 587-595.	1.0	4
49	Validation of a 3D foot scanning system for evaluation of forefoot shape with elevated heels. Measurement: Journal of the International Measurement Confederation, 2017, 99, 134-144.	5.0	20
50	Postural Screening for Adolescent Idiopathic Scoliosis with Infrared Thermography. Scientific Reports, 2017, 7, 14431.	3.3	28
51	Numerical simulation of foam cup molding process for mold head design. International Journal of Clothing Science and Technology, 2017, 29, 504-513.	1.1	1
52	Evaluation of body geometry and symmetry for adolescent idiopathic scoliosis with 3D body scanning system. Research Journal of Textile and Apparel, 2017, 21, 276-292.	1.1	2
53	Scoliosis brace design: influence of visual aesthetics on user acceptance and compliance. Ergonomics, 2017, 60, 876-886.	2.1	36
54	Effects of indoor slippers on plantar pressure and lower limb EMG activity in older women. Applied Ergonomics, 2016, 56, 153-159.	3.1	8

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55	Orthopaedic textile inserts for pressure treatment of hypertrophic scars. Textile Reseach Journal, 2016, 86, 1549-1562.	2.2	11
56	Numerical simulation of pressure therapy glove by using Finite Element Method. Burns, 2016, 42, 141-151.	1.9	18
57	Effects of different heel angles in sleep mode on heel interface pressure in the elderly. Clinical Biomechanics, 2016, 32, 229-235.	1.2	9
58	Foot Anthropometric Measurements of Hong Kong Elderly: Implications for Footwear Design. Journal of Fiber Bioengineering and Informatics, 2016, 9, 133-143.	0.2	2
59	Effect of a Functional Garment on Postural Control for Adolescents with Early Scoliosis: A Six-Month Wear Trial Study. Advances in Intelligent Systems and Computing, 2016, , 143-154.	0.6	1
60	Effects of a tailor-made girdle on posture of adolescents with early scoliosis. Textile Reseach Journal, 2015, 85, 1234-1246.	2.2	6
61	The Effect of Pressure and Fabrication of Pressure Therapy Gloves on Hand Sensitivity and Dexterity. Journal of Burn Care and Research, 2015, 36, e162-e175.	0.4	5
62	Evaluation of Myoelectric Activity of Paraspinal Muscles in Adolescents with Idiopathic Scoliosis during Habitual Standing and Sitting. BioMed Research International, 2015, 2015, 1-9.	1.9	30
63	The Effect of Pressure Glove Tightness on Forearm Muscle Activity and Psychophysical Responses. Human Factors, 2015, 57, 988-1001.	3.5	5
64	Exploring use of warp-knitted spacer fabric as a substitute for the absorbent layer for advanced wound dressing. Textile Reseach Journal, 2015, 85, 1258-1268.	2.2	27
65	New methods for evaluating physical and thermal comfort properties of orthotic materials used in insoles for patients with diabetes. Journal of Rehabilitation Research and Development, 2014, 51, 311-324.	1.6	24
66	An Ergonomic Flexible Girdle Design for Preteen and Teenage Girls with Early Scoliosis. Journal of Fiber Bioengineering and Informatics, 2014, 7, 233-246.	0.2	9
67	2D and 3D anatomical analyses of hand dimensions for custom-made gloves. Applied Ergonomics, 2013, 44, 381-392.	3.1	48
68	Prediction of fabric tension and pressure decay for the development of pressure therapy gloves. Textile Reseach Journal, 2013, 83, 269-287.	2.2	16
69	Study on Factors to Improve Comfort of Stab-Resistant Vests Taking into Account Wearing Pressure and Movement Restriction. Journal of Fiber Bioengineering and Informatics, 2013, 6, 237-251.	0.2	0
70	Parametric design and process parameter optimization for bra cup molding via response surface methodology. Expert Systems With Applications, 2012, 39, 162-171.	7.6	19
71	Application of the Boxâ€“Behnken design to the optimization of process parameters in foam cup molding. Expert Systems With Applications, 2012, 39, 8059-8065.	7.6	73
72	Tunable carbon nanotube ionic polymer actuators that are operable in dry conditions. Sensors and Actuators B: Chemical, 2012, 162, 76-81.	7.8	27

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73	Craniofacial measurements of fullâ€term neonates. International Journal of Clothing Science and Technology, 2011, 23, 95-106.	1.1	3
74	An evaluation of the three-dimensional geometric shape of moulded bra cups. Fibers and Polymers, 2011, 12, 556-563.	2.1	6
75	Study of thermalâ€“mechanical properties of polyurethane foam and the three-dimensional shape of molded bra cups. Journal of Materials Processing Technology, 2010, 210, 116-121.	6.3	20
76	Wire frame representation of 3D moulded bra cup and its application to example-based design. Fibers and Polymers, 2008, 9, 653-658.	2.1	15
77	Anthropometric measurement of premature infants. International Journal of Clothing Science and Technology, 2007, 19, 319-333.	1.1	3
78	Anthropometric Measurements and Body Motions of Teenagers with Mental Handicap in Hong Kong. Research Journal of Textile and Apparel, 2006, 10, 1-9.	1.1	5
79	Structures and Properties of Wet Spun Thermo-Regulated Polyacrylonitrile-Vinylidene Chloride Fibers. Textile Reseach Journal, 2006, 76, 351-359.	2.2	75
80	Crystallization and prevention of supercooling of microencapsulated n-alkanes. Journal of Colloid and Interface Science, 2005, 281, 299-306.	9.4	251
81	Expansion space and thermal stability of microencapsulatedn-octadecane. Journal of Applied Polymer Science, 2005, 97, 390-396.	2.6	67
82	Energy storage polymer/MicroPCMs blended chips and thermo-regulated fibers. Journal of Materials Science, 2005, 40, 3729-3734.	3.7	96
83	Fabrication and properties of microcapsules and nanocapsules containing n-octadecane. Materials Chemistry and Physics, 2004, 88, 300-307.	4.0	268
84	Structure and thermal stability of microencapsulated phase-change materials. Colloid and Polymer Science, 2004, 282, 330-336.	2.1	182
85	Comparison of Mechanical Properties of Shirting Materials Measured on the KES-F and FAST Instruments. Textile Reseach Journal, 1996, 66, 622-633.	2.2	23
86	Subjective and objective evaluation of menâ€™s shirting fabrics. International Journal of Clothing Science and Technology, 1995, 7, 17-29.	1.1	21
87	Affective association with and preference for flexible brace colors in older adults with spinal deformities. Color Research and Application, 0, , .	1.6	1
88	Design and fabrication of anisotropic textile brace for exerting corrective forces on spinal curvature. Journal of Industrial Textiles, 0, , 152808372110326.	2.4	1