

# Sun-Pui Ng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5998793/publications.pdf>

Version: 2024-02-01

60  
papers

977  
citations

471509

17  
h-index

477307

29  
g-index

62  
all docs

62  
docs citations

62  
times ranked

925  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of three-dimensional spacer fabrics:. Journal of Materials Processing Technology, 2008, 206, 359-364.	6.3	130
2	Application of the Boxâ€œBehnken design to the optimization of process parameters in foam cup molding. Expert Systems With Applications, 2012, 39, 8059-8065.	7.6	73
3	Using atmospheric pressure plasma treatment for treating grey cotton fabric. Carbohydrate Polymers, 2014, 102, 167-173.	10.2	67
4	Numerical and experimental determination of in-plane elastic properties of 2/2 twill weave fabric composites. Composites Part B: Engineering, 1998, 29, 735-744.	12.0	58
5	Identifying effective design features of commercial sports bras. Textile Reseach Journal, 2013, 83, 1500-1513.	2.2	48
6	2D and 3D anatomical analyses of hand dimensions for custom-made gloves. Applied Ergonomics, 2013, 44, 381-392.	3.1	48
7	Study of three-dimensional spacer fabrics: Molding properties for intimate apparel application. Journal of Materials Processing Technology, 2009, 209, 58-62.	6.3	43
8	Studies of three-dimensional trajectories of breast movement for better bra design. Textile Reseach Journal, 2012, 82, 242-254.	2.2	31
9	Postural Screening for Adolescent Idiopathic Scoliosis with Infrared Thermography. Scientific Reports, 2017, 7, 14431.	3.3	28
10	Microstructure and shape memory effect of acidic carbon nanotubes reinforced polyvinyl alcohol nanocomposites. Journal of Applied Polymer Science, 2013, 129, 1299-1305.	2.6	25
11	A study of breast motion using non-linear dynamic FE analysis. Ergonomics, 2013, 56, 868-878.	2.1	24
12	Case study on the effects of fit and material of sports gloves on hand performance. Applied Ergonomics, 2019, 75, 17-26.	3.1	23
13	Study of thermalâ€œmechanical 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
14	3D Printing Auxetic Architectures for Hypertrophic Scar Therapy. Macromolecular Materials and Engineering, 2022, 307, .	3.6	20
15	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
16	Numerical simulation of pressure therapy glove by using Finite Element Method. Burns, 2016, 42, 141-151.	1.9	18
17	The Effect of Stretching on Ultraviolet Protection of Cotton and Cotton/Coolmax-Blended Weft Knitted Fabric in a Dry State. Materials, 2013, 6, 4985-4999.	2.9	17
18	Prediction of fabric tension and pressure decay for the development of pressure therapy gloves. Textile Reseach Journal, 2013, 83, 269-287.	2.2	16

#	ARTICLE	IF	CITATIONS
19	Mechanical and Clinical Evaluation of a Shape Memory Alloy and Conventional Struts in a Flexible Scoliotic Brace. <i>Annals of Biomedical Engineering</i> , 2018, 46, 1194-1205.	2.5	15
20	Study on the Relationship between UV Protection and Knitted Fabric Structure. <i>Journal of Textile Engineering</i> , 2013, 59, 71-74.	0.2	13
21	Influence of Textured Indoor Footwear on Posture Stability of Older Women Based on Center-of-Pressure Measurements. <i>Human Factors</i> , 2019, 61, 1247-1260.	3.5	13
22	The effect of support surface and footwear condition on postural sway and lower limb muscle action of the older women. <i>PLoS ONE</i> , 2020, 15, e0234140.	2.5	13
23	The biomechanical effects and perceived comfort of textile-fabricated insoles during straight line walking. <i>Prosthetics and Orthotics International</i> , 2018, 42, 153-162.	1.0	12
24	Orthopaedic textile inserts for pressure treatment of hypertrophic scars. <i>Textile Research Journal</i> , 2016, 86, 1549-1562.	2.2	11
25	Effect of Stretching on Ultraviolet Protection of Cotton and Cotton/Coolmax Blended Weft Knitted Fabric in a Wet State. <i>Materials</i> , 2014, 7, 58-74.	2.9	10
26	Atmospheric Pressure Plasma Surface Treatment of Rayon Flock Synthetic Leather with Tetramethylsilane. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 59.	2.5	10
27	An Ergonomic Flexible Girdle Design for Preeteen and Teenage Girls with Early Scoliosis. <i>Journal of Fiber Bioengineering and Informatics</i> , 2014, 7, 233-246.	0.2	9
28	Photogrammetric prediction of girdle pressure. <i>Measurement Science and Technology</i> , 2009, 20, 015804.	2.6	8
29	Effects of indoor slippers on plantar pressure and lower limb EMG activity in older women. <i>Applied Ergonomics</i> , 2016, 56, 153-159.	3.1	8
30	Customized Fabrication Approach for Hypertrophic Scar Treatment: 3D Printed Fabric Silicone Composite. <i>International Journal of Bioprinting</i> , 2020, 6, 262.	3.4	8
31	Bilinear Approximation of Anisotropic Stress-Strain Properties of Woven Fabrics. <i>Research Journal of Textile and Apparel</i> , 2005, 9, 50-56.	1.1	7
32	The Relationship between Ultraviolet Protection Factor and Fibre Content. <i>Journal of Textile Engineering</i> , 2013, 59, 83-86.	0.2	7
33	An evaluation of the three-dimensional geometric shape of moulded bra cups. <i>Fibers and Polymers</i> , 2011, 12, 556-563.	2.1	6
34	Effects of a tailor-made girdle on posture of adolescents with early scoliosis. <i>Textile Research Journal</i> , 2015, 85, 1234-1246.	2.2	6
35	Investigation of Microclimate in Sports Shoes with the Integration of Human Subjective Sensations. <i>Key Engineering Materials</i> , 2018, 765, 140-146.	0.4	6
36	Numerical Simulation of Orthotic Insole Deformation for Diabetic Foot. <i>Journal of Fiber Bioengineering and Informatics</i> , 2015, 8, 401-411.	0.2	6

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37	Foot deformation analysis with different load-bearing conditions to enhance diabetic footwear designs. PLoS ONE, 2022, 17, e0264233.	2.5	6
38	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
39	The Effect of Pressure Glove Tightness on Forearm Muscle Activity and Psychophysical Responses. Human Factors, 2015, 57, 988-1001.	3.5	5
40	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
41	Impact of postural variation on hand measurements: Three-dimensional anatomical analysis. PLoS ONE, 2021, 16, e0250428.	2.5	5
42	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
43	Customized Fabrication Approach for Hypertrophic Scar Treatment: 3D Printed Fabric Silicone Composite. International Journal of Bioprinting, 2020, 6, 262.	3.4	4
44	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
45	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
46	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
47	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
48	Instrumental Evaluation of Dry Heat Loss of Footwear Under Different Activity Levels. IEEE Access, 2019, 7, 65319-65331.	4.2	2
49	Relaxation of knitted fabric by low pressure evaporation. Textile Research Journal, 2012, 82, 2019-2029.	2.2	1
50	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
51	Design and fabrication of anisotropic textile brace for exerting corrective forces on spinal curvature. Journal of Industrial Textiles, 0, , 152808372110326.	2.4	1
52	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
53	Thermal Equations for Predicting Foot Skin Temperature. Asia Pacific Journal of Health Management, 2019, 14, 31.	0.3	1
54	Treating of Rayon-flocked Fabric by Atmospheric Pressure Plasma. Medziagotyra, 2016, 22, .	0.2	0

#	ARTICLE	IF	CITATIONS
55	Title is missing!. , 2020, 15, e0234140.		0
56	Title is missing!. , 2020, 15, e0234140.		0
57	Title is missing!. , 2020, 15, e0234140.		0
58	Title is missing!. , 2020, 15, e0234140.		0
59	Title is missing!. , 2020, 15, e0234140.		0
60	Title is missing!. , 2020, 15, e0234140.		0