

Sungmin Kim

List of Publications by Year in descending order

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63
papers

600
citations

686830

13
h-index

676716

22
g-index

65
all docs

65
docs citations

65
times ranked

497
citing authors

#	ARTICLE	IF	CITATIONS
1	3D Anthropometric Analysis of Women's Aging Bodies: Upper Body Shape and Posture Changes. Fashion Practice, 2022, 14, 26-48.	0.4	8
2	Development of a 3D printing method for the textile hybrid structure. International Journal of Clothing Science and Technology, 2022, 34, 262-272.	0.5	3
3	Development of fashion recommendation system using collaborative deep learning. International Journal of Clothing Science and Technology, 2022, ahead-of-print, .	0.5	1
4	Surface Wettability Prediction Using Image Analysis and an Artificial Neural Network. Langmuir, 2022, 38, 7208-7217.	1.6	4
5	Improvement in drying performance through sample movement change in tumble dryers. Textile Reseach Journal, 2022, 92, 4814-4833.	1.1	1
6	Development of parametric garment pattern design system. International Journal of Clothing Science and Technology, 2021, 33, 724-739.	0.5	4
7	Feature-based fashion flat sketch design using automatic module alignment algorithm. International Journal of Clothing Science and Technology, 2021, 33, 824-837.	0.5	2
8	Development of smart insole for cycle time measurement in sewing process. Fashion and Textiles, 2021, 8, .	1.3	0
9	Development of a modular garment assembly line simulator. International Journal of Clothing Science and Technology, 2020, 32, 645-659.	0.5	2
10	Development of an interactive shirt for self-directed motor learning. International Journal of Clothing Science and Technology, 2020, 32, 402-411.	0.5	0
11	Categorization of lower body shapes of abdominal obese men using a script-based 3D body measurement software. Fashion and Textiles, 2020, 7, .	1.3	4
12	A Systematic Review on Smart Manufacturing in the Garment Industry. Fashion & Textile Research Journal, 2020, 22, 660-675.	0.1	2
13	Effect of Physical Aging on the Bending Recovery of PEEK and PI Films. Fibers and Polymers, 2019, 20, 944-950.	1.1	2
14	Fabrication of 3D printed garments using flat patterns and motifs. International Journal of Clothing Science and Technology, 2019, 31, 653-662.	0.5	8
15	Wavelength Interrogation System for Quasi-Distributed Fiber Bragg Grating Temperature Sensors Based on a 50-GHz Array Waveguide Grating. IEEE Sensors Journal, 2019, 19, 2598-2604.	2.4	9
16	Three-dimensional garment pattern design using progressive mesh cutting algorithm. International Journal of Clothing Science and Technology, 2019, 31, 339-349.	0.5	5
17	Development of helmet mold design system using 3D anthropometric analysis. International Journal of Clothing Science and Technology, 2019, 32, 446-456.	0.5	4
18	Development of bulletproof pad design system using 3D body scan data. International Journal of Clothing Science and Technology, 2019, 31, 802-812.	0.5	1

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19	Facile Functionalization via Plasma-Enhanced Chemical Vapor Deposition for the Effective Filtration of Oily Aerosol. <i>Polymers</i> , 2019, 11, 1490.	2.0	14
20	An Effective Research Method to Predict Human Body Type Using an Artificial Neural Network and a Discriminant Analysis. <i>Fibers and Polymers</i> , 2018, 19, 1781-1789.	1.1	3
21	Development of a script-based versatile three-dimensional body measurement system. <i>International Journal of Clothing Science and Technology</i> , 2018, 30, 598-609.	0.5	9
22	Simulation of maypole braiding process with multi-layer interlocking yarns. <i>Journal of the Textile Institute</i> , 2017, 108, 579-585.	1.0	8
23	Porous copper-graphene heterostructures for cooling of electronic devices. <i>Nanoscale</i> , 2017, 9, 7565-7569.	2.8	17
24	Development of similarity evaluation method between virtual and actual clothing. <i>International Journal of Clothing Science and Technology</i> , 2017, 29, 743-750.	0.5	7
25	Development of low cost three-dimensional body scanner using depth perception camera. <i>International Journal of Clothing Science and Technology</i> , 2017, 29, 857-867.	0.5	9
26	Development of a computer-aided design software for smart garments. <i>International Journal of Clothing Science and Technology</i> , 2017, 29, 845-856.	0.5	7
27	Development of a Sewing Machine Controller for Seam Pucker Reduction using Online Measurement Feedback System. <i>Journal of Engineered Fibers and Fabrics</i> , 2017, 12, 155892501701200.	0.5	2
28	Optimization of Digital Transfer Textile Printing Process using Multi-Objective Function Analysis. <i>Journal of Engineered Fibers and Fabrics</i> , 2017, 12, 155892501701200.	0.5	0
29	Optimization of Digital Textile Printing Process using Taguchi Method. <i>Journal of Engineered Fibers and Fabrics</i> , 2016, 11, 155892501601100.	0.5	0
30	Preparation and characterisation of field-responsive nanofibres by coaxial electrospinning. <i>International Journal of Nanotechnology</i> , 2016, 13, 253.	0.1	0
31	The effect of nanoparticle packing on capacitive electrode performance. <i>Nanoscale</i> , 2016, 8, 11940-11948.	2.8	16
32	Adaptive modeling method for 3-D printing with various polymer materials. <i>Fibers and Polymers</i> , 2016, 17, 977-983.	1.1	4
33	Effective Heat Dissipation from Color-Converting Plates in High-Power White Light Emitting Diodes by Transparent Graphene Wrapping. <i>ACS Nano</i> , 2016, 10, 238-245.	7.3	39
34	Study on the Integration of Fabric Pilling Generation and Evaluation System. <i>Textile Science and Engineering</i> , 2016, 53, 360-365.	0.4	3
35	Analysis of human body surface shape using parametric design method. <i>International Journal of Clothing Science and Technology</i> , 2015, 27, 434-446.	0.5	8
36	Automatic custom pattern generation using width-height independent grading. <i>International Journal of Clothing Science and Technology</i> , 2015, 27, 908-921.	0.5	3

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37	Development of a color matching algorithm for digital transfer textile printing using an artificial neural network and multiple regression. <i>Textile Reseach Journal</i> , 2015, 85, 1076-1082.	1.1	16
38	Three-Dimensional Porous Copper-Graphene Heterostructures with Durability and High Heat Dissipation Performance. <i>Scientific Reports</i> , 2015, 5, 12710.	1.6	40
39	Improvement of Bending Recovery of Polyester Film via Physical Aging Treatment. <i>Porrime</i> , 2015, 39, 593.	0.0	1
40	Automatic Measurement of Yarn Crimp Using Image Analysis. <i>Journal of Testing and Evaluation</i> , 2014, 42, 291-297.	0.4	0
41	Development of an objective fabric pilling evaluation method. I. Characterization of pilling using image analysis. <i>Fibers and Polymers</i> , 2013, 14, 832-837.	1.1	15
42	Garment pattern nesting using image analysis and three-dimensional simulation. <i>Fibers and Polymers</i> , 2013, 14, 860-865.	1.1	5
43	Development of an objective fabric pilling evaluation method. II. Fabric pilling grading using artificial neural network. <i>Fibers and Polymers</i> , 2013, 14, 2157-2162.	1.1	6
44	Mass production of digital garments using multi-èption data structure. <i>International Journal of Clothing Science and Technology</i> , 2012, 24, 89-101.	0.5	5
45	Simulation of bespoke garments using parametrically designed patterns. <i>International Journal of Clothing Science and Technology</i> , 2012, 24, 350-362.	0.5	7
46	Development of a Parametric Design Method for Various Woven Fabric Structures. <i>Journal of Engineered Fibers and Fabrics</i> , 2011, 6, 155892501100600.	0.5	1
47	Analysis of woven fabric structure using image analysis and artificial intelligence. <i>Fibers and Polymers</i> , 2011, 12, 1062-1068.	1.1	12
48	Objective evaluation of antimicrobial property of textile materials using image analysis. <i>Fibers and Polymers</i> , 2011, 12, 1048-1053.	1.1	0
49	Determination of fabric physical properties for the simulation of Cusick drapemeter. <i>Fibers and Polymers</i> , 2011, 12, 132-136.	1.1	4
50	New production method for a plain weave figured fabric. <i>Fibers and Polymers</i> , 2011, 12, 137-141.	1.1	0
51	Development of a versatile controller system for textile machinery. <i>Fibers and Polymers</i> , 2011, 12, 550-555.	1.1	1
52	Automatic basic garment pattern generation using three-dimensional measurements. <i>International Journal of Clothing Science and Technology</i> , 2010, 22, 101-113.	0.5	7
53	Introduction of normal preserving force into garment drape simulation for stable sewing process. <i>Fibers and Polymers</i> , 2010, 11, 285-290.	1.1	1
54	Digital description of the ISO wrinkle replicas using 3D image analysis. <i>Fibers and Polymers</i> , 2009, 10, 539-545.	1.1	1

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55	Basic garment pattern generation using geometric modeling method. International Journal of Clothing Science and Technology, 2007, 19, 7-17.	0.5	52
56	Development of a platform for realistic garment drape simulation. Fibers and Polymers, 2006, 7, 436-441.	1.1	7
57	Evaluation of fabric pilling using hybrid imaging methods. Fibers and Polymers, 2006, 7, 57-61.	1.1	16
58	Objective Evaluation of Fabric Pilling Using Stereovision. Textile Reseach Journal, 2004, 74, 1013-1017.	1.1	32
59	Parametric body model generation for garment drape simulation. Fibers and Polymers, 2004, 5, 12-18.	1.1	42
60	Fast garment drape simulation using geometrically constrained particle system. Fibers and Polymers, 2003, 4, 169-175.	1.1	7
61	New Objective Evaluation of Fabric Smoothness Appearance. Textile Reseach Journal, 2001, 71, 446-453.	1.1	37
62	Automatic Structure Analysis and Objective Evaluation of Woven Fabric Using Image Analysis. Textile Reseach Journal, 2001, 71, 261-270.	1.1	55
63	Automated Textile Circuit Generation using Machine Vision and Embroidery Technique. Textile Reseach Journal, 0, , 004051752210750.	1.1	1