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List of Publications by Year
in descending order

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283	7,292	61857	114278
papers	citations	43 h-index	63 g-index

296	296	296	6738
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	pH-Responsive Electrospun Nanofibers and Their Applications. Polymer Reviews, 2022, 62, 351-399.	5.3	44
2	Conductive Hybrid Cuâ€HHTPâ€TCNQ Metalâ€“Organic Frameworks for Chemiresistive Sensing. Advanced Electronic Materials, 2022, 8, 2100871.	2.6	5
3	Understanding multiscale structureâ€“property correlations in PVDF-HFP electrospun fiber membranes by SAXS and WAXS. Nanoscale Advances, 2022, 4, 491-501.	2.2	8
4	Sensors for Vital Signs. , 2022, , 207-219.		0
5	A low-fouling, self-assembled, graft co-polymer and covalent surface coating for controlled immobilization of biologically active moieties. Applied Surface Science, 2022, 584, 152525.	3.1	2
6	Electrospinning based on benign solvents: current definitions, implications and strategies. Green Chemistry, 2022, 24, 2347-2375.	4.6	61
7	Improving Needleless Electrospinning Throughput by Tailoring Polyurethane Solution Properties with Polysiloxane Additives. ACS Applied Polymer Materials, 2022, 4, 2205-2215.	2.0	8
8	Amphiphilic Polymer Coâ€Network: A Versatile Matrix for Tailoring the Photonic Energy Transfer in Wearable Energy Harvesting Devices. Advanced Energy Materials, 2022, 12, .	10.2	10
9	Thioflavin-modified molecularly imprinted hydrogel for fluorescent-based non-enzymatic glucose detection in wound exudate. Materials Today Bio, 2022, 14, 100258.	2.6	6
10	Predicting transdermal fentanyl delivery using physics-based simulations for tailored therapy based on the age. Drug Delivery, 2022, 29, 950-969.	2.5	6
11	Wicking dynamics in yarns. Journal of Colloid and Interface Science, 2022, 625, 1-11.	5.0	7
12	Emulsion electrospinning of sodium alginate/poly(Îµ-caprolactone) core/shell nanofibers for biomedical applications. Nanoscale Advances, 2022, 4, 2929-2941.	2.2	19
13	Wicking through complex interfaces at interlacing yarns. Journal of Colloid and Interface Science, 2022, 626, 416-425.	5.0	3
14	A numerical investigation of the influence of wind on convective heat transfer from the human body in a ventilated room. Building and Environment, 2021, 188, 107427.	3.0	13
15	Body Temperature Is Associated With Cognitive Performance in Older Adults With and Without Mild Cognitive Impairment: A Cross-sectional Analysis. Frontiers in Aging Neuroscience, 2021, 13, 585904.	1.7	17
16	Metalâ€Textile Laser Welding for Wearable Sensors Applications. Advanced Electronic Materials, 2021, 7, 2001238.	2.6	17
17	Controlling pH by electronic ion pumps to fight fibrosis. Applied Materials Today, 2021, 22, 100936.	2.3	9
18	Digital twins are coming: Will we need them in supply chains of fresh horticultural produce?. Trends in Food Science and Technology, 2021, 109, 245-258.	7.8	92

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19	Metal-Modified Montmorillonite as Plasmonic Microstructure for Direct Protein Detection. Sensors, 2021, 21, 2655.	2.1	14
20	Inverse Mechanistic Modeling of Transdermal Drug Delivery for Fast Identification of Optimal Model Parameters. Frontiers in Pharmacology, 2021, 12, 641111.	1.6	9
21	Reversible and Broad-Range Oxygen Sensing Based on Purely Organic Long-Lived Photoemitters. ACS Applied Polymer Materials, 2021, 3, 2480-2488.	2.0	5
22	Effect of radiant heat exposure on structure and mechanical properties of thermal protective fabrics. Polymer, 2021, 222, 123634.	1.8	10
23	Bioresponsive Hybrid Nanofibers Enable Controlled Drug Delivery through Glass Transition Switching at Physiological Temperature. ACS Applied Bio Materials, 2021, 4, 4271-4279.	2.3	24
24	Four-dimensional imaging and free-energy analysis of sudden pore-filling events in wicking of yarns. Physical Review E, 2021, 103, 053101.	0.8	9
25	Nanoâ€3Dâ€Printed Photochromic Microâ€Objects. Small, 2021, 17, e2101337.	5.2	20
26	Evaluation of the convective heat transfer coefficient of human body and its effect on the human thermoregulation predictions. Building and Environment, 2021, 196, 107778.	3.0	25
27	Using Lock-In Thermography to Investigate Stimuli-Responsive Nanoparticles in Complex Environments. IEEE Instrumentation and Measurement Magazine, 2021, 24, 3-10.	1.2	1
28	Modeling Stratum Corneum Swelling for the Optimization of Electrode-Based Skin Hydration Sensors. Sensors, 2021, 21, 3986.	2.1	0
29	A Capacitive Color-Changing Electronic Skin for Touch Sensing Applications. , 2021, , .		1
30	Optoelectronic and Nanosensors Detection Systems: A Review. IEEE Sensors Journal, 2021, 21, 12645-12653.	2.4	7
31	Photochromic 3D Microâ€Objects: Nanoâ€3Dâ€Printed Photochromic Microâ€Objects (Small 26/2021). Small, 2021, 17, 2170132.	5.2	0
32	pH-Responsive Chitosan/Alginate Polyelectrolyte Complexes on Electrospun PLGA Nanofibers for Controlled Drug Release. Nanomaterials, 2021, 11, 1850.	1.9	28
33	A Thermal Skin Model for Comparing Contact Skin Temperature Sensors and Assessing Measurement Errors. Sensors, 2021, 21, 4906.	2.1	2
34	Effect of movement on convection and ventilation in a skin-clothing-environment system. International Journal of Thermal Sciences, 2021, 166, 106965.	2.6	19
35	Assessment of the thermal outcome during steam-pulse ablation for sheep tissue. Thermal Science and Engineering Progress, 2021, 25, 100966.	1.3	0
36	Tailoring the multiscale architecture of electrospun membranes to promote 3D cellular infiltration. Materials Science and Engineering C, 2021, 130, 112427.	3.8	1

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37	Numerical investigation of the effects of heterogeneous air gaps during high heat exposure for application in firefighter clothing. International Journal of Heat and Mass Transfer, 2021, 181, 121813.	2.5	11
38	Changes in Optical Properties upon Dyeâ€“Clay Interaction: Experimental Evaluation and Applications. Nanomaterials, 2021, 11, 197.	1.9	7
39	Structural color from solid-state polymerization-induced phase separation. Soft Matter, 2021, 17, 5772-5779.	1.2	12
40	Energy harvesting textiles: using wearable luminescent solar concentrators to improve the efficiency of fiber solar cells. Journal of Materials Chemistry A, 2021, 9, 25974-25981.	5.2	10
41	Fabrication of a Wearable Flexible Sweat pH Sensor Based on SERS-Active Au/TPU Electrospun Nanofibers. ACS Applied Materials & Interfaces, 2021, 13, 51504-51518.	4.0	50
42	Polyamide Nanofiber-Based Air Filters for Transparent Face Masks. ACS Applied Nano Materials, 2021, 4, 12401-12406.	2.4	13
43	Fatigue Monitoring Through Wearables: A State-of-the-Art Review. Frontiers in Physiology, 2021, 12, 790292.	1.3	29
44	Development of a sweating thermal skin simulant for heat transfer evaluation of clothed human body under radiant heat hazard. Applied Thermal Engineering, 2020, 166, 114642.	3.0	12
45	Nanofiber membranes as biomimetic and mechanically stable surface coatings. Materials Science and Engineering C, 2020, 108, 110417.	3.8	6
46	Thermal model of an unconditioned, heated and ventilated seat to predict human thermo-physiological response and local thermal sensation. Building and Environment, 2020, 169, 106571.	3.0	7
47	Experimental determination and ray-tracing simulation of bending losses in melt-spun polymer optical fibres. Scientific Reports, 2020, 10, 11885.	1.6	10
48	A microfluidic platform for in situ investigation of biofilm formation and its treatment under controlled conditions. Journal of Nanobiotechnology, 2020, 18, 166.	4.2	24
49	Heart Rate Variability Mainly Relates to Cognitive Executive Functions and Improves Through Exergame Training in Older Adults: A Secondary Analysis of a 6-Month Randomized Controlled Trial. Frontiers in Aging Neuroscience, 2020, 12, 197.	1.7	18
50	Predicting Transdermal Fentanyl Delivery Using Mechanistic Simulations for Tailored Therapy. Frontiers in Pharmacology, 2020, 11, 585393.	1.6	17
51	Responsive Nanofibers with Embedded Hierarchical Lipid Self-Assemblies. Langmuir, 2020, 36, 11787-11797.	1.6	6
52	Nano-domains assisted energy transfer in amphiphilic polymer conetworks for wearable luminescent solar concentrators. Nano Energy, 2020, 76, 105039.	8.2	29
53	Laser-Engraved Textiles for Engineering Capillary Flow and Application in Microfluidics. ACS Applied Materials & Interfaces, 2020, 12, 29908-29916.	4.0	5
54	Thermal characterization of fire-protective fabrics. , 2020, , 355-387.		4

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55	Nylon-6/chitosan core/shell antimicrobial nanofibers for the prevention of mesh-associated surgical site infection. Journal of Nanobiotechnology, 2020, 18, 51.	4.2	41
56	Facile Fabrication of Microfluidic Chips for 3D Hydrodynamic Focusing and Wet Spinning of Polymeric Fibers. Polymers, 2020, 12, 633.	2.0	10
57	Electrospun colourimetric sensors for detecting volatile amines. Sensors and Actuators B: Chemical, 2020, 322, 128570.	4.0	23
58	Self-assembly of glycerol monooleate with the antimicrobial peptide LL-37: a molecular dynamics study. RSC Advances, 2020, 10, 8291-8302.	1.7	7
59	Reversible Oxygen Sensing Based on Multi-Emission Fluorescence Quenching. Sensors, 2020, 20, 477.	2.1	9
60	Predicting the macroscopic response of electrospun membranes based on microstructure and single fibre properties. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 104, 103634.	1.5	19
61	Classification of Sleep Apnea Severity by Electrocardiogram Monitoring Using a Novel Wearable Device. Sensors, 2020, 20, 286.	2.1	31
62	Design of a lightweight passive orthosis for tremor suppression. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 47.	2.4	20
63	Polarimetric imaging in backscattering for the structural characterization of strongly scattering birefringent fibrous media. Optics Express, 2020, 28, 16673.	1.7	4
64	Sensors for Vital Signs. , 2020, , 1-13.		0
65	Applicability of a Textile ECG-Belt for Unattended Sleep Apnoea Monitoring in a Home Setting. Sensors, 2019, 19, 3367.	2.1	13
66	E-Knitted Textile with Polymer Optical Fibers for Friction and Pressure Monitoring in Socks. Sensors, 2019, 19, 3011.	2.1	18
67	Analytical clothing model for sensible heat transfer considering spatial heterogeneity. International Journal of Thermal Sciences, 2019, 145, 105949.	2.6	20
68	Need for mechanically and ergonomically enhanced tremor-suppression orthoses for the upper limb: a systematic review. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 93.	2.4	34
69	Influence of human body geometry, posture and the surrounding environment on body heat loss based on a validated numerical model. Building and Environment, 2019, 166, 106340.	3.0	23
70	Pyrenineâ€Modified Amphiphilic Polymer Conetworks as Fluorescent Ratiometric pH Sensors. Macromolecular Rapid Communications, 2019, 40, e1900360.	2.0	32
71	Revealing non-crystalline polymer superstructures within electrospun fibers through solvent-induced phase rearrangements. Nanoscale, 2019, 11, 16788-16800.	2.8	17
72	Mechanical properties of medical textiles. , 2019, , 301-340.		3

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73	In Vitro Endothelialization of Surface-Integrated Nanofiber Networks for Stretchable Blood Interfaces. ACS Applied Materials & Interfaces, 2019, 11, 5740-5751.	4.0	11
74	Clinical Applicability of a Textile 1-Lead ECG Device for Overnight Monitoring. Sensors, 2019, 19, 2436.	2.1	12
75	Polyphenols as Morphogenetic Agents for the Controlled Synthesis of Mesoporous Silica Nanoparticles. Chemistry of Materials, 2019, 31, 3192-3200.	3.2	15
76	Two-stage wicking of yarns at the fiber scale investigated by synchrotron X-ray phase-contrast fast tomography. Textile Reseach Journal, 2019, 89, 4967-4979.	1.1	8
77	Structural insights into semicrystalline states of electrospun nanofibers: a multiscale analytical approach. Nanoscale, 2019, 11, 7176-7187.	2.8	21
78	Moisture transfer of the clothingâ€“human body system during continuous sweating under radiant heat. Textile Reseach Journal, 2019, 89, 4537-4553.	1.1	24
79	The effect of garment combinations on thermal comfort of office clothing. Textile Reseach Journal, 2019, 89, 4425-4437.	1.1	23
80	On-demand drug release from tailored blended electrospun nanofibers. Journal of Drug Delivery Science and Technology, 2019, 52, 8-14.	1.4	28
81	Apparent evaporative cooling efficiency in clothing with continuous perspiration: A sweating manikin study. International Journal of Thermal Sciences, 2019, 137, 446-455.	2.6	19
82	Complete inclusion of bioactive molecules and particles in polydimethylsiloxane: a straightforward process under mild conditions. Scientific Reports, 2019, 9, 17575.	1.6	3
83	A categorization tool for fabric systems used in firefighters' clothing based on their thermal protective and thermo-physiological comfort performances. Textile Reseach Journal, 2019, 89, 3244-3259.	1.1	15
84	Crosslinking dextran electrospun nanofibers via borate chemistry: Proof of concept for wound patches. European Polymer Journal, 2019, 110, 276-282.	2.6	22
85	Modeling for predicting the thermal protective and thermo-physiological comfort performance of fabrics used in firefighters' clothing. Textile Reseach Journal, 2019, 89, 2836-2849.	1.1	28
86	Effect of perspired moisture and material properties on evaporative cooling and thermal protection of the clothed human body exposed to radiant heat. Textile Reseach Journal, 2019, 89, 3663-3676.	1.1	21
87	Tactile perception of textile surfaces from an artificial finger instrumented by a polymeric optical fibre. Tribology International, 2019, 130, 155-169.	3.0	12
88	Development of a multiâ€layered skin simulant for burn injury evaluation of protective fabrics exposed to low radiant heat. Fire and Materials, 2019, 43, 144-152.	0.9	11
89	Artificial skin for sweating guarded hotplates and manikins based on weft knitted fabrics. Textile Reseach Journal, 2019, 89, 657-672.	1.1	4
90	Characterization and modelling of thermal protective performance of fabrics under different levels of radiant-heat exposures. Journal of Industrial Textiles, 2019, 48, 1184-1205.	1.1	13

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91	Modeling wicking in textiles using the dual porosity approach. Textile Reseach Journal, 2019, 89, 3519-3528.	1.1	9
92	Hierarchical design of lipidâ€“polymer composite nanofibres: the interplay of multiscale structures and biofunctions. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e587-e587.	0.0	0
93	Multiscale structural decoding of electrospun nanofibres: from processing to possibilities for steering functionality. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e647-e647.	0.0	0
94	Thermo-physiological impact of different firefighting protective clothing ensembles in a hot environment. Textile Reseach Journal, 2018, 88, 744-753.	1.1	8
95	Formation of lateral chemical gradients in plasma polymer films shielded by an inclined mask. Plasma Processes and Polymers, 2018, 15, 1700185.	1.6	6
96	Local air gap thickness and contact area models for realistic simulation of human thermo-physiological response. International Journal of Biometeorology, 2018, 62, 1121-1134.	1.3	21
97	Optical glucose sensing using ethanolamineâ€“polyborate complexes. Journal of Materials Chemistry B, 2018, 6, 816-823.	2.9	8
98	Thermal sensation models: Validation and sensitivity towards thermo-physiological parameters. Building and Environment, 2018, 130, 200-211.	3.0	35
99	Polymer optical fibres in healthcare: solutions, applications and implications. A perspective. Polymer International, 2018, 67, 1150-1154.	1.6	8
100	Application of response surface methodology to tailor the surface chemistry of electrospun chitosan-poly(ethylene oxide) fibers. Carbohydrate Polymers, 2018, 186, 122-131.	5.1	23
101	Prediction of Steam Burns Severity using Raman Spectroscopy on ex vivo Porcine Skin. Scientific Reports, 2018, 8, 6946.	1.6	17
102	Human simulator â€“ A tool for predicting thermal sensation in the built environment. Building and Environment, 2018, 143, 632-644.	3.0	10
103	Determination of the effect of fabric properties on the coupled heat and moisture transport of underwearâ€“shirt fabric combinations. Textile Reseach Journal, 2018, 88, 1319-1331.	1.1	14
104	The relationship between skin function, barrier properties, and bodyâ€dependent factors. Skin Research and Technology, 2018, 24, 165-174.	0.8	212
105	Catechin loaded PLGA submicron-sized fibers reduce levels of reactive oxygen species induced by MWCNT in vitro. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 122, 78-86.	2.0	14
106	A validation methodology and application of 3D garment simulation software to determine the distribution of air layers in garments during walking. Measurement: Journal of the International Measurement Confederation, 2018, 117, 153-164.	2.5	18
107	Enzyme functionalized electrospun chitosan mats for antimicrobial treatment. Carbohydrate Polymers, 2018, 181, 551-559.	5.1	52
108	Studies of the thermal protective performance of fabrics under fire exposure: from small-scale to hexagon tests. Textile Reseach Journal, 2018, 88, 2339-2352.	1.1	5

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109	High-performance sportswear. , 2018, , 341-356.		16
110	Testing of Hot-water and Steam Protective Performance Properties of Fabrics. , 2018, , 211-235.		2
111	Stretchable Optical and Electronic Fibers via Thermal Drawing. , 2018, , .		1
112	Prediction of Core Body Temperature Based on Skin Temperature, Heat Flux, and Heart Rate Under Different Exercise and Clothing Conditions in the Heat in Young Adult Males. Frontiers in Physiology, 2018, 9, 1780.	1.3	42
113	Controlling the surface structure of electrospun fibers: Effect on endothelial cells and blood coagulation. Biointerphases, 2018, 13, 051001.	0.6	6
114	Correlating diameter, mechanical and structural properties of poly(l-lactide) fibres from needleless electrospinning. Acta Biomaterialia, 2018, 81, 169-183.	4.1	43
115	Superelastic Multimaterial Electronic and Photonic Fibers and Devices via Thermal Drawing. Advanced Materials, 2018, 30, e1707251.	11.1	135
116	Validity of contact skin temperature sensors under different environmental conditions with and without fabric coverage: characterisation and correction. International Journal of Biometeorology, 2018, 62, 1861-1872.	1.3	5
117	The Influence of Backpack Weight and Hip Belt Tension on Movement and Loading in the Pelvis and Lower Limbs during Walking. Applied Bionics and Biomechanics, 2018, 2018, 1-7.	0.5	5
118	Skin Temperature Measurement Using Contact Thermometry: A Systematic Review of Setup Variables and Their Effects on Measured Values. Frontiers in Physiology, 2018, 9, 29.	1.3	54
119	Wide Range of Functionalized Poly(N-alkyl acrylamide)-Based Amphiphilic Polymer Conetworks via Active Ester Precursors. Macromolecules, 2018, 51, 5267-5277.	2.2	22
120	Specific testing for performance sportswear. , 2018, , 433-448.		1
121	Contact skin temperature measurements and associated effects of obstructing local sweat evaporation during mild exercise-induced heat stress. Physiological Measurement, 2018, 39, 075003.	1.2	12
122	A review on advanced imaging technologies for the quantification of wicking in textiles. Textile Reseach Journal, 2017, 87, 110-132.	1.1	22
123	Biophysical skin properties of grade 1 pressure ulcers and unaffected skin in spinal cord injured and able-bodied persons in the unloaded sacral region. Journal of Tissue Viability, 2017, 26, 89-94.	0.9	10
124	Optimization of novel melt-extruded polymer optical fibers designed for pressure sensor applications. European Polymer Journal, 2017, 88, 44-55.	2.6	22
125	A water-responsive, gelatine-based human skin model. Tribology International, 2017, 113, 316-322.	3.0	30
126	Body-monitoring with photonic textiles: a reflective heartbeat sensor based on polymer optical fibres. Journal of the Royal Society Interface, 2017, 14, 20170060.	1.5	31

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127	3D Composite Assemblies of Microparticles and Nanofibers for Tailored Wettability and Controlled Drug Delivery. Macromolecular Materials and Engineering, 2017, 302, 1600458.	1.7	18
128	The pyranine-benzalkonium ion pair: A promising fluorescent system for the ratiometric detection of wound pH. Sensors and Actuators B: Chemical, 2017, 249, 156-160.	4.0	38
129	The effect of body postures on the distribution of air gap thickness and contact area. International Journal of Biometeorology, 2017, 61, 363-375.	1.3	39
130	Study on different finite difference methods at skin interface for burn prediction in protective clothing evaluation. Fire and Materials, 2017, 41, 1027-1039.	0.9	3
131	Thermal manikins controlled by human thermoregulation models for energy efficiency and thermal comfort research â€“ A review. Renewable and Sustainable Energy Reviews, 2017, 78, 1315-1330.	8.2	63
132	Exercise intensity dependent relevance of protective textile properties for human thermo-physiology. Textile Reseach Journal, 2017, 87, 1425-1434.	1.1	7
133	Comparison of fabric skins for the simulation of sweating on thermal manikins. International Journal of Biometeorology, 2017, 61, 1519-1529.	1.3	16
134	A compliant and biomimetic three-layered vascular graft for small blood vessels. Biofabrication, 2017, 9, 025010.	3.7	46
135	Steering surface topographies of electrospun fibers: understanding the mechanisms. Scientific Reports, 2017, 7, 158.	1.6	71
136	Test method for characterising the thermal protective performance of fabrics exposed to flammable liquid fires. Fire and Materials, 2017, 41, 750-767.	0.9	3
137	Electrospraying of microfluidic encapsulated cells for the fabrication of cell-laden electrospun hybrid tissue constructs. Acta Biomaterialia, 2017, 64, 137-147.	4.1	33
138	Hierarchical Selfâ€Assembly of Poly(Urethane)/Poly(Vinylidene Fluorideâ€coâ€Hexafluoropropylene) Blends into Highly Hydrophobic Electrospun Fibers with Reduced Protein Adsorption Profiles. Macromolecular Materials and Engineering, 2017, 302, 1700081.	1.7	15
139	Dynamic Wicking Process in Textiles. Transport in Porous Media, 2017, 119, 611-632.	1.2	42
140	Carbon dots and fluorescein: The ideal FRET pair for the fabrication of a precise and fully reversible ammonia sensor. Sensors and Actuators B: Chemical, 2017, 253, 714-722.	4.0	22
141	Thermal sensation models: a systematic comparison. Indoor Air, 2017, 27, 680-689.	2.0	32
142	Simultaneous detection of pH value and glucose concentrations for wound monitoring applications. Biosensors and Bioelectronics, 2017, 87, 312-319.	5.3	75
143	Loading of the lumbar spine during backpack carriage. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 558-565.	0.9	3
144	Multi-sector thermo-physiological head simulator for headgear research. International Journal of Biometeorology, 2017, 61, 273-285.	1.3	12

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145	Future directions in the use of manikins. , 2017, , 365-386.		3
146	POF-yarn weaves: controlling the light out-coupling of wearable phototherapy devices. Biomedical Optics Express, 2017, 8, 4316.	1.5	41
147	Evaluation of thermo-physiological comfort of clothing using manikins. , 2017, , 115-140.		4
148	Thermo-physiological simulation. , 2017, , 331-349.		1
149	Carbon Dots and Fluorescein: The Ideal FRET Pair for the Fabrication of a Precise and Fully Reversible Ammonia Sensor. Proceedings (mdpi), 2017, 1, 488.	0.2	1
150	Quantitative validation of 3D garment simulation software for determination of air gap thickness in lower body garments. IOP Conference Series: Materials Science and Engineering, 2017, 254, 162007.	0.3	3
151	Evaluation of heat and flame protective performance of clothing using manikins. , 2017, , 199-223.		4
152	Validation of an instrumented dummy to assess mechanical aspects of discomfort during load carriage. PLoS ONE, 2017, 12, e0180069.	1.1	6
153	Determination of critical heat transfer for the prediction of materials damages during a flame engulfment test. Fire and Materials, 2016, 40, 1036-1046.	0.9	8
154	Preparation of ellipsoid-shaped supraparticles with modular compositions and investigation of shape-dependent cell-uptake. RSC Advances, 2016, 6, 89028-89039.	1.7	15
155	In vivo confirmation of hydration-induced changes in human-skin thickness, roughness and interaction with the environment. Biointerphases, 2016, 11, 031015.	0.6	46
156	Effects of the cycling workload on core and local skin temperatures. Experimental Thermal and Fluid Science, 2016, 77, 91-99.	1.5	29
157	Fibrous scaffolds fabricated by emulsion electrospinning: from hosting capacity to in vivo biocompatibility. Nanoscale, 2016, 8, 9293-9303.	2.8	24
158	Validation of the thermophysiological model by Fiala for prediction of local skin temperatures. International Journal of Biometeorology, 2016, 60, 1969-1982.	1.3	27
159	Freezing the Nonclassical Crystal Growth of a Coordination Polymer Using Controlled Dynamic Gradients. Advanced Materials, 2016, 28, 8150-8155.	11.1	22
160	Contribution of garment fit and style to thermal comfort at the lower body. International Journal of Biometeorology, 2016, 60, 1995-2004.	1.3	34
161	Microfluidic Pneumatic Cages: A Novel Approach for In-chip Crystal Trapping, Manipulation and Controlled Chemical Treatment. Journal of Visualized Experiments, 2016, , .	0.2	3
162	Encapsulation of FRET-based glucose and maltose biosensors to develop functionalized silica nanoparticles. Analyst, The, 2016, 141, 3982-3984.	1.7	13

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163	Materials used to simulate physical properties of human skin. Skin Research and Technology, 2016, 22, 3-14.	0.8	156
164	Global and local heat transfer analysis for bicycle helmets using thermal head manikins. International Journal of Industrial Ergonomics, 2016, 53, 157-166.	1.5	11
165	Opportunities and constraints of presently used thermal manikins for thermo-physiological simulation of the human body. International Journal of Biometeorology, 2016, 60, 435-446.	1.3	32
166	Effects of moisture content and clothing fit on clothing apparent â€˜wetâ€™ thermal insulation: A thermal manikin study. Textile Reseach Journal, 2016, 86, 57-63.	1.1	44
167	A systematic approach to the development and validation of adaptive manikins. Extreme Physiology and Medicine, 2015, 4, .	2.5	6
168	Cold weather sports clothing. , 2015, , 197-212.		4
169	Evaluation of body-mapping shirts design for activities in warm environments. Extreme Physiology and Medicine, 2015, 4, .	2.5	0
170	Internal and external heat load with fire fighter protective clothing: data from the lab and the field. Extreme Physiology and Medicine, 2015, 4, .	2.5	4
171	Numerical simulation of the transport phenomena in tilted clothing microclimates. Extreme Physiology and Medicine, 2015, 4, .	2.5	3
172	Thermal effects of headgear: state-of-the-art and way forward. Extreme Physiology and Medicine, 2015, 4, .	2.5	3
173	Validation of a physiological model for controlling a thermal head simulator. Extreme Physiology and Medicine, 2015, 4, A73.	2.5	4
174	AFM Laser Texturing on Chitosan/Au Precursor nanocomposite Materials for Lithography Technique. , 2015, , .		0
175	Embroidered Electrode with Silver/Titanium Coating for Long-Term ECG Monitoring. Sensors, 2015, 15, 1750-1759.	2.1	102
176	Air gap thickness and contact area in undershirts with various moisture contents: influence of garment fit, fabric structure and fiber composition. Textile Reseach Journal, 2015, 85, 2196-2207.	1.1	40
177	Advanced modelling of the transport phenomena across horizontal clothing microclimates with natural convection. International Journal of Biometeorology, 2015, 59, 1875-1889.	1.3	26
178	Challenges to measure hydration, redness, elasticity and perfusion in the unloaded sacral region of healthy persons after supine position. Journal of Tissue Viability, 2015, 24, 62-70.	0.9	13
179	Flexible touch sensors based on nanocomposites embedding polymeric optical fibers for artificial skin applications. , 2015, , .		3
180	A new method to assess the influence of textiles properties on human thermophysiology. Part I. International Journal of Clothing Science and Technology, 2015, 27, 272-282.	0.5	22

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181	Absorbing TiO_xthin film enabling laser welding of polyurethane membranes and polyamide fibers. Science and Technology of Advanced Materials, 2015, 16, 055002.	2.8	8
182	In Vivo Measurement of the Friction Between Human Skin and Different Medical Compression Stockings. Tribology Letters, 2015, 60, 1.	1.2	8
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