

# Burcak Karaguzel Kayaoglu

## List of Publications by Year in descending order

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37  
papers

337  
citations

840776

11  
h-index

888059

17  
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37  
all docs

37  
docs citations

37  
times ranked

395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Utility of nonwovens in the production of integrated electrical circuits via printing conductive inks. Journal of the Textile Institute, 2008, 99, 37-45.	1.9	34
2	Microfluidic device on a nonwoven fabric: A potential biosensor for lactate detection. Textile Reseach Journal, 2014, 84, 1729-1741.	2.2	31
3	Design and fabrication of a new nonwoven-textile based platform for biosensor construction. Sensors and Actuators B: Chemical, 2015, 208, 475-484.	7.8	24
4	Electromagnetic shielding effectiveness of carbon fabric/epoxy composite with continuous graphene oxide fiber and multiwalled carbon nanotube. Journal of Composite Materials, 2018, 52, 3341-3350.	2.4	23
5	Adhesion strength behaviour of plasma pre-treated and laminated polypropylene nonwoven fabrics using acrylic and polyurethane-based adhesives. Journal of Industrial Textiles, 2014, 43, 396-414.	2.4	18
6	Electrospun antibacterial nanofibrous polyvinylpyrrolidone/cetyltrimethylammonium bromide membranes for biomedical applications. Journal of Bioactive and Compatible Polymers, 2014, 29, 382-397.	2.1	18
7	Seam properties of ultrasonic welded multilayered textile materials. Journal of Industrial Textiles, 2017, 46, 1193-1211.	2.4	18
8	Improving thermal conductivities of textile materials by nanohybrid approaches. IScience, 2022, 25, 103825.	4.1	18
9	Lactate detection by colorimetric measurement in real human sweat by microfluidic-based biosensor on flexible substrate. Journal of the Textile Institute, 2019, 110, 1725-1732.	1.9	16
10	Improving hydrophobicity on polyurethane-based synthetic leather through plasma polymerization for easy care effect. Journal of Coatings Technology Research, 2013, 10, 549-558.	2.5	14
11	A study on ultrasonic welding of nonwovens used for surgical gowns. International Journal of Clothing Science and Technology, 2017, 29, 539-552.	1.1	14
12	Imparting hydrophobicity to natural leather through plasma polymerization for easy care effect. Fibers and Polymers, 2013, 14, 1706-1713.	2.1	13
13	Analysis of the effect of fiber cross section and different bonding methods on sound absorption performance of PET fiber based nonwovens using Taguchi method. Journal of the Textile Institute, 2020, 111, 575-585.	1.9	11
14	Potentials and challenges in jetting microdroplets onto nonwoven fabrics. Journal of the Textile Institute, 2008, 99, 581-589.	1.9	9
15	The effect of different radiation sources for the <sc>UV</sc> curing of a screenâ€printed, waterâ€based polyurethane acrylate binder. Coloration Technology, 2016, 132, 269-279.	1.5	9
16	Microfluidic Nonwoven-Based Device as a Potential Biosensor for Sweat Analysis. Applied Mechanics and Materials, 0, 490-491, 274-279.	0.2	7
17	Utility of polyvinyl alcohol fiber-based needle punched nonwoven fabric as potential reinforcement in cementitious composites. Journal of Composite Materials, 2014, 48, 3129-3140.	2.4	6
18	Thermal comfort properties of nonwoven fabrics used in surgical gowns. IOP Conference Series: Materials Science and Engineering, 0, 459, 012039.	0.6	6

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19	The effect of ultraviolet-curable water-borne polyurethane acrylate binder concentration on the printing performance of synthetic leather. <i>Coloration Technology</i> , 2019, 135, 111-120.	1.5	6
20	Plasma-induced adhesion improvement of cotton/polypropylene-laminated fabrics. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 2326-2339.	2.6	5
21	Synthesis of core-shell-type styrene acrylic latexes with low NMA content and their application in pigment printing pastes. <i>Journal of Coatings Technology Research</i> , 2018, 15, 121-129.	2.5	5
22	Design and Development of Denim Fabrics with Improved Strength and Impact Abrasion Resistance for Motorcyclist Clothing. <i>Fibres and Textiles in Eastern Europe</i> , 2018, 26, 53-58.	0.5	5
23	Effect of pigment colour on the printing performance of synthetic leather using a ultraviolet-curable water-borne polyurethane acrylate binder. <i>Coloration Technology</i> , 2019, 135, 283-291.	1.5	4
24	Analysis of the effect of production parameters on sound absorption and abrasion resistance performance of needlepunched nonwovens for automotive carpet applications using Taguchi method. <i>Journal of Industrial Textiles</i> , 2019, , 152808371988969.	2.4	4
25	Colour and gloss properties of pigment-printed synthetic leather using an ultraviolet-curable water-borne polyurethane acrylate binder and two photoinitiators at different ratios. <i>Coloration Technology</i> , 2019, 135, 133-142.	1.5	4
26	Structural properties of graphene oxide fibers: from graphene oxide dispersion until continuous graphene oxide fiber. <i>Journal of the Textile Institute</i> , 2018, 109, 1642-1652.	1.9	3
27	Fabrication of montmorillonite nanoclay-loaded electrospun nanofibrous mats for UV protection. <i>Journal of Industrial Textiles</i> , 2022, 51, 4118S-4132S.	2.4	3
28	Effects of Different Industrial Washing Processes on Strength and Physical Properties of Denim Fabrics. <i>Tekstil Ve Muhendis</i> , 2015, 22, 54-68.	0.3	3
29	Effect of Hydrophilic Bentonite as a Filler on Curing Performance of Pigmented UV Curable Polyurethane Acrylate Coating. <i>Fibers and Polymers</i> , 2021, 22, 1800-1809.	2.1	2
30	Effects of D-lactide content and molecular weight on the morphological, thermal, and mechanical properties of electrospun nanofiber polylactide mats. <i>Journal of Industrial Textiles</i> , 0, , 152808372210902.	2.4	2
31	Functional Nano and Micro-Scale Thin Film Deposition on Textiles: Emerging Technologies and Applications. <i>Tekstil Ve Muhendis</i> , 2012, 19, 39-47.	0.3	1
32	Ultraviyole (UV) IÅ±ma ile KÅ¼rlenebilen PoliÅ¼retan Å¼rilit Kaplama Filmlerin Alev Geciktirici Å±zelliÅ±inin AlÅ¼mina Trihidrat Dolgu Malzemesi KullanÅ¼larak Å±yileÅ±tirilmesi. Å¼ukurova Å±eniversitesi MÅ¼hendislik-Mimarlık FakÅ¼ltesi Dergisi, 0, , 11-20.	0.1	1
33	Fabrication of a Textile-Based Platform for Rapid Analyte Detection. <i>Applied Mechanics and Materials</i> , 0, 490-491, 1611-1616.	0.2	0
34	Plasma Surface Treatments of Nonwovens. , 2016, , .		0
35	Effect of pigment concentration on fastness and color values of thermal and UV curable pigment printing. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 254, 082004.	0.6	0
36	Screen printing of uv curable polyurethane acrylate binder prepared with different pigment concentrations on synthetic leather and gloss and hardness properties of printed films. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 460, 012001.	0.6	0

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37	Synthesis of ultraviolet (UV)-curable water-borne polyurethane acrylate binders and comparison of their performance for pigment printing on synthetic leather. International Journal of Clothing Science and Technology, 2020, 33, 270-288.	1.1	0