

Popis radova objavljenih u znanstvenim časopisima čiji se čimbenik odjeka nalazi u prvom (Q1) kvartilu prema bazi WoSCC (Web of Science Core Collection) za akad. god. 2021./2022.

Red. br.	Autor(i)	Naslov rada	Časopis, IF, kvartil (JCR/SJR)	Godina, Br. (Vol): str.	Vrsta rada	Poveznica na rad
1.	Ćurić, I.; Dolar, D.; Horvat, J.; Grgić, K.	Effect of textile wastewater secondary effluent on UF membrane characteristics	Polymers, IF 4.967, Q1	2022, 14(10): 2035	znanstveni rad	https://www.mdpi.com/2073-4360/14/10/2035
2.	Salopek Čubrić, I.; Čubrić, G.; Katić Križmančić, I.; Kovačević, M.	Evaluation of Changes in Polymer Material Properties Due to Aging in Different Environments	Polymers, IF 4.967, Q1	2022, 14 (9); 1682	znanstveni rad	https://www.mdpi.com/2073-4360/14/9/1682
3.	Rezić, I.; Somogyi Škoc, M.; Majdak, M.; Jurić, S.; Sopko Stracenski, K.; Vinceković, M.	Functionalization of Polymer Surface with Antimicrobial Microcapsules	Polymers, IF 4.967, Q1	2022, 14 (10), 1961 (1-18)	znanstveni rad	https://www.mdpi.com/2073-4360/14/10/1961
4.	Kaurin, T.; Pušić, T.; Čurlin, M.	Biopolymer Textile Structure of Chitosan with Polyester	Polymers, IF 4.967, Q1	2022, 14 (15): 3088-3103	znanstveni rad	https://www.mdpi.com/2073-4360/14/15/3088
5.	Pušić, T.; Šaravanja, B.; Malarić, K.; Luburić, M.; Kaurin, T.	Electromagnetic Shielding Effectiveness of Woven Fabric with Integrated Conductive Threads after Washing with Liquid and Powder Detergents	Polymers, IF 4.967, Q1	2022, 14 (2445): 1-13	znanstveni rad	https://www.mdpi.com/2073-4360/14/12/2445
6.	Brunšek, R.; Butorac, J.; Augustinović, Z.; Pospišil M.	Effect of Nitrogen on the Properties of Flax (<i>Linum usitatissimum L.</i>) Plants and Fibres	Polymers, IF 4.967, Q1	2022, 14 (3), 558-568	znanstveni rad	https://www.mdpi.com/2073-4360/14/3/558

7.	Kalazić, A., Brnada, S.*, Kiš, A.	Thermal Protective Properties and Breathability of Multilayer Protective Woven Fabrics for Wildland Firefighting	Polymers, IF 4.967, Q1	2022, 14 (14) 2967	znanstveni rad	https://www.mdpi.com/2073-4360/14/14/2967
8.	Kopitar, D.; Marasović, P., Jugov, N.; Schwarz, I.	Biodegradable Nonwoven Agrotexile and Films—A Review	Polymers, IF 4.967, Q1	2022, 14(11) 2272	pregledni rad	https://www.mdpi.com/2073-4360/14/11/2272
9.	Krstović, K; Kovačević, S.; Brnada, S.; Schwarz, I.	Study of aramid yarns sizing	Polymers, IF 4.967, Q1	2022, 14, 761, 1- 20	znanstveni rad	https://www.mdpi.com/2073-4360/14/4/761
10.	Rezić, I.; Majdak, M.; Ljoljić Bilić, V.; Pokrovac, I.; Martinaga, L.; Somogyi Škoc, M.; Kosalec, I.	Development of Antibacterial Protective Coatings Active Against MSSA and MRSA on Biodegradable Polymers	Polymers, IF 4.967, Q1	2021, 4 (13), 1- 17	znanstveni rad	https://www.mdpi.com/2073-4360/13/4/659
11.	Višić, K.; Pušić, T.; Čurlin, M.	Carboxymethyl Cellulose and Carboxymethyl Starch as Surface Modifiers and Greying Inhibitors in Washing of Cotton Fabrics	Polymers, IF 4.967, Q1	2021, 13 (7), 1174	znanstveni rad	https://www.mdpi.com/2073-4360/13/7/1174
12.	Rezić, I.; Somogyi Škoc, M.; Majdak, M.; Jurić, S.; Sopko Stracenski, K. Vinceković, M.	Functionalization of Polymer Surface with Antimicrobial Microcapsules	Polymers, IF 4.967, Q1	2022, 10 (14), 1961-1973	i znanstveni rad	https://www.mdpi.com/2073-4360/14/10/1961

13.	Kumar Garg N., Goriya Y., Manojveer S., Muratović S., Pajić D., Cetina M., Petreska I., Krupskaya Y., Kataev V., Johnson M. T., Wendt O. F., Žilić D.	A mononuclear iron(III) complex with unusual changes of color and magneto-structural properties with temperature: synthesis, structure, magnetization, multi-frequency ESR and DFT study	Dalton Transactions IF 4.569, Q1	2022, 6 (51): 2338–2345	znanstveni rad	https://pubs.rsc.org/en/content/articlelanding/2022/dt/d1dt03751j
14.	Vukoja, D.; Vlainić, J.; Ljoljić Bilić, V.; Martinaga, L.; Rezić, I.; Brlek Gorski, D.; Kosalec, I.	Innovative insights into in vitro activity of colloidal platinum nanoparticles against ESBL-Producing Strains of <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i>	Pharmaceutics , IF 6,525, Q1	2022, 14 (8): 1714-1729	znanstveni rad	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9413765/
15.	Savić, L.; Augustyniak, E. Kastensson, A.; Snelling, S.; Abhari, R.E.; Baldwin, M.; Price, A.; Jackson, W.; Carr, A.; Mouthuy, P.-A.	Early development of a polycaprolactone electrospun augment for anterior cruciate ligament reconstruction	Materials Science and Engineering: C, IF 8.320, Q1	2021, 112414, Volume 129,	znanstveni rad	https://www.sciencedirect.com/science/article/pii/S0928493121005543
16.	Kovačević, S.; Ujević, D.; Domjanić, J., Pačavar, S.	<u>Laminated textile composites – Problems with bonding layers and sewing</u>	Journal of Industrial Textiles, IF 2.926, Q1	2022, 51(45), 5640S- 5657S	znanstveni rad	https://journals.sagepub.com/doi/full/10.1177/15280837211019489
17.	Kopitar, D.; Žuvela Bošnjak, F.; Akalovic, J.; Skenderi, Z.	Thermophysiological properties of bovine leather in dependence on the sampling point, tanning and finishing agents	Journal of Industrial Textiles, IF 2.926, Q1	2022, 5(51):8906 S-8924S	znanstveni rad	https://journals.sagepub.com/doi/full/10.1177/15280837221077048

18.	Pečarić, J.; Perušić Pribanić, A.; Smoljak Kalamir, K.	Weighted Hermite-Hadamard-Type Inequalities by Identities Related to Generalizations of Steffensen's Inequality	Mathematic, IF=2.592, Q1	2022, (10): 1505, 1-10	znanstveni rad	https://www.mdpi.com/2227-7390/10/9/1505/htm
19.	Smoljak Kalamir, K.	Steffensen Type Inequalities for Convex Functions on Borel σ -Algebra	Mathematic, IF=2.592, Q1	2021, (9): 3276, 1-15	znanstveni rad	https://www.mdpi.com/2227-7390/9/24/3276
20.	Rodić, M.	On the converse Jensen-type inequality for generalized f-divergences and Zipf–Mandelbrot law	Mathematic, IF 2,592, Q1	2022, 10, 947	znanstveni rad	https://www.mdpi.com/2227-7390/10/6/947
21.	Mihelić-Bogdanić, A.; Špelić, I.	Energy efficiency optimization in polyisoprene footwear production	Sustainability IF 3.889, Q1	2022, 14(10799), 1-27	znanstveni rad	https://www.mdpi.com/2071-1050/14/17/10799

Popis radova objavljenih u znanstvenim časopisima čiji se čimbenik odjeka nalazi u drugom (Q2) kvartilu prema bazi WoSCC (Web of Science Core Collection) za akad. god. 2021./2022.

Red. br.	Autor(i)	Naslov rada	Časopis, IF, kvartil (JCR/SJR)	Godina, Br. (Vol): str	Vrsta rada	Poveznica na rad
1.	Zonjić, I.; Tumir, L.-M.; Crnolatac, I.; Šupljika, F.; Racané, L.; Tomić, S.; Radić Stojković, M.	Recognition of ATT Triplex and DNA:RNA Hybrid Structures by Benzothiazole Ligands	Biomolecules, IF 6.064, Q2	2022, 3 (12): 1600173	znanstveni rad	https://www.mdpi.com/2218-273X/12/3/374/htm
2.	Salopek Čubrić, I.; Čubrić, G.; Majumdar A.	Sensory Attributes of Knitted Fabrics Intended for Next-to-skin Clothing	Journal of the Textile Institute, IF 1.770, Q2	(2022), 1, 16	znanstveni rad	https://www.tandfonline.com/doi/abs/10.1080/00405000.2022.2075654?journalCode=tjti20

3.	Rogale D., Fajt S., Firšt Rogale S., Knezić Ž.	Interdependence of Technical and Technological Parameters in Polymer Ultrasonic Welding Machines	Machines IF 2.899 Q2	2022, 10(10):845 , 1-19,	znanstveni rad	https://www.mdpi.com/2075-1702/10/10/845
4.	Rogale D., Firšt Rogale S., Knezić Ž., Fajt S.	New Method for Determining the Machine-Hand Welding Times Using Ultrasonic Welding Machines with Rotary Sonotrode	Machines IF 2.899 Q2	2021, 9(12):330, 1-18,	znanstveni rad	https://www.mdpi.com/2075-1702/9/12/330
5.	Magovac, E.; Vončina, B.; Budimir, A.; Jordanov, I.; Grunlan, J. C.; Bischof, S.	Environmentally Benign Phytic Acid-Based Nanocoating for Multifunctional Flame-Retardant/Antibacterial Cotton	Fibers IF 2.518, Q2	2021, 9 (11): 69	znanstveni rad	https://www.mdpi.com/2079-6439/9/11/69
6.	Rogina-Car, B.; Kovačević, S.	The study of needle type influence on woven fabric surface area during the sewing process	Textile research journal IF 2.455, Q2	2022, 92. (17- 18): 3016- 3033	znanstveni rad	https://journals.sagepub.com/doi/full/10.1177/00405175211019133
7.	Šaravanja, B.; Kovačević, S.; Pušić, T.; Malarić, K.; Ujević, D.	Impact of Dry and Wet Cleaning on Structural, Mechanical and Protective Properties of Fabrics Designed for Electromagnetic Shield	Fibers & Polymers, IF 2.374, Q2	2022, (23), 3, (666-679)	znanstveni rad	https://link.springer.com/article/10.1007/s12221-022-3028-4
8.	Bobovčan Marcelić M., Geršak J., Rogale D., Firšt Rogale S.	Study of the compression properties of welded seams formed using hot wedge, hot air, ultrasonic, and high-frequency welding techniques	Textile research journal IF 2.455, Q2 (Q2)	2022, DOI:10.11 77/03, 1-17	znanstveni rad	https://journals.sagepub.com/doi/full/10.1177/00405175211019637
9.	Kodrič Kesovia, M. M.; Penava, Ž.; Jemo, D.	The story of two historical textile fragments: Technical analysis and reconstruction of the lost textile pattern	Textile research journal IF 2.455, Q2	2021, 23-24 (91): 2859-2871	znanstveni rad	https://journals.sagepub.com/doi/full/10.1177/00405175211017403

10.	Kovačević, S.; Schwarz, I.; Brnada, S.	<u>Study of predicting the number of warp thread breaks during the weaving process</u>	Textile research journal IF 2.455, Q2	2022, 4954–4968	znanstveni rad	https://journals.sagepub.com/doi/full/10.1177/00405175221112399?af=R&ai=1gvoi&mi=3ricys
11.	Kutnjak-Mravlinčić S., Sutlović A.; Glogar, M. I., Ercegović Ražić S., Godec D.	Innovative Development of Batch Dyed 3D Printed Acrylonitrile/Butadiene/Styrene Objects	Molecules, IF 4.927, Q2	2021, 26 (21); 6637	znanstveni rad	https://www.mdpi.com/1420-3049/26/21/6637
12.	Ivanković, T.; Rajić, A.; Ercegović Ražić, S.; Rolland du Roscoat, S.; Skenderi, Z.	Antibacterial Properties of Non-Modified Wool, Determined and Discussed in Relation to ISO 20645:2004 Standard	Molecules, IF 4.927, Q2	2022, 27 (21); 1876	znanstveni rad	https://www.mdpi.com/1420-3049/27/6/1876
13.	Rezić, I.; Somogyi Škoc, M.; Majdak, M.; Jurić, S.; Sopko Stracenski, K.; Vlahoviček- Kahlina, K.; Vinceković, M.	ICP-MS Determination of Antimicrobial Metals in Microcapsules	Molecules, IF 4.927, Q2	2022, 27 (10), 3219 (1- 13)	znanstveni rad	https://www.mdpi.com/1420-3049/27/10/3219
14.	Botteri, L.; Miljković, A.; Glogar, M. I.	Influence of Cotton Pre-Treatment on Dyeing with Onion and Pomegranate Peel Extracts	Molecules, IF 4.927, Q2	2022, 14 (27): 1-17	znanstveni rad	https://www.mdpi.com/1420-3049/27/14/4547
15.	Čorak, I.; Brlek, I.; Sutlović, A.; Tarbuk, A.	Natural Dyeing of Modified Cotton Fabric with Cochineal Dye	Molecules, IF 4.927, Q2	2022, 27 (3): 1100	znanstveni rad	https://www.mdpi.com/1420-3049/27/3/1100
16.	Glogar, M. I.; Dekanić, T.; Tarbuk, A.; Čorak, I.; Labazan, P.	Influence of Cotton Cationization on Pigment Layer Characteristics in Digital Printing	Molecules, IF 4.927, Q2	2022, 4 (17): 1418	znanstveni rad	https://www.mdpi.com/1420-3049/27/4/1418
17.	Rezić, I.; Somogyi Škoc, M.; Majdak, M.; Jurić, S.; Sopko Stracenski, K.; Vlahoviček-Kahlina K.; Vinceković, M.	ICP-MS Determination of Antimicrobial Metals in Microcapsules	Molecules, IF 4.927, Q2	2022, 10 (27), 1- 13	znanstveni rad	https://www.mdpi.com/1420-3049/27/4/1418

18.	Rezić, I.; Kracher, D.; Oros, D.; Mujadžić, S.; Anđelini, M.; Kurtanjek, Ž.; Ludwig, R.; Rezić, T.	Application of Causality Modelling for Prediction of Molecular Properties for Textile Dyes Degradation by LPMO	Molecules, IF 4.927, Q2	2022, 19 (27), 1-13	znanstveni rad	https://www.mdpi.com/1420-3049/27/19/6390
19.	Vojnović, B.; Cetina, M.; Franjković, P.; Sutlović, A.	Influence of initial pH value on the adsorption of Reactive Black 5 dye on powdered activated carbon: kinetics, mechanisms and thermodynamics	Molecules, IF 4.927, Q2	2022, 4 (27): 1349	znanstveni rad	https://www.mdpi.com/1420-3049/27/4/1349
20.	Rogale D., Firšt Rogale S., Knezić Ž., Fajt S.	New Method for Determining the Machine-Hand Welding Times Using Ultrasonic Welding Machines with Rotary Sonotrode	Machines, IF 4.927, Q2	2021, 9(12):330, 1-18,	znanstveni rad	https://www.mdpi.com/2075-1702/9/12/330
21.	Kaurin, T.; Pušić, T.; Dekanić, T.; Flinčec Grgac, S.	Impact of Washing Parameters on Thermal Characteristics and Appearance of Proban®-Flame Retardant Material	Materials, IF 3.748, Q2	2022., 15 (15): 5373-5390	znanstveni rad	https://www.mdpi.com/1996-1944/15/15/5373
22.	Bogović, S.; Čorak, A.	A New Method for Testing the Breaking Force of a Polylactic Acid-Fabric Joint for the Purpose of Making a Protective Garment	Materials, IF 3.748, Q2	2022, 15, 3549-3549	znanstveni rad	file:///C:/Users/TTF/Downloads/materials-15-03549%20(2).pdf
23.	Šaravanja, A; Pušić, T.; Dekanić, T.	Microplastics in Wastewater by Washing Polyester Fabrics	Materials, IF 3.748, Q2	2022., 15 (7): 2683-2697	pregledni rad	https://www.mdpi.com/1996-1944/15/7/2683
24.	Magovac, E.; Vončina, B.; Jordanov, I.; Grunlan, J. C.; Bischof, S.	Layer-by-Layer Deposition: A Promising Environmentally Benign Flame-Retardant Treatment for Cotton, Polyester, Polyamide and Blended Textiles	Materials, IF 3.920, Q2	2022, 15 (2): 432	pregledni rad	https://www.mdpi.com/1996-1944/15/2/432
25.	Flinčec Grgac, S.; Jablan, J.; Inić, S.; Malinar, R.; Kovaček, I.; Čorak, I.	The Effect of Ultrasonic Treatment on the Binding of the Inclusion Complex β -Cyclodextrin-peppermint Oil with Cellulose Material	Materials, IF 3.748, Q2	2022, 15 (2): 470	znanstveni rad	https://www.mdpi.com/1996-1944/15/2/470
26.	Čorak, I.; Tarbuk, A.; Đorđević, D.; Višić, K.; Botteri L.	Sustainable Alkaline Hydrolysis of Polyester Fabric at Low Temperature	Materials, IF 3.748, Q2	2022, 15 (4): 1530	znanstveni rad	https://www.mdpi.com/1996-1944/15/4/1530

27.	Flinčec Grgac, S.; Tesla, T.; Čorak, I.; Žuvela Bošnjak, F.	Hydrothermal Synthesis of Chitosan and Tea Tree Oil on Plain and Satin Weave Cotton Fabrics	Materials, IF 3.748, Q2	2022, 15 (14): 5034	znanstveni rad	https://www.mdpi.com/1996-1944/15/14/5034
28.	Hursa Šajatović, A.; Flinčec Grgac, S.; Zavec, D.	Investigation of Flammability of Protective Clothing System for Firefighters	Materials, IF 3.748, Q2	2022, 7 (15), 2384	znanstveni rad	https://www.mdpi.com/1996-1944/15/7/2384
29.	Brnada, S.; Pušić, T.; Dekanić, T.; Kovačević, S.	Impact of Fabric Construction on Adsorption and Spreading of Liquid Contamination	Materials, IF 3.748, Q2	2022 6 (15): 1-18	znanstveni rad	https://www.mdpi.com/1996-1944/15/6/1998
30.	Glogar, M.; Pušić, T.; Lovreškov, V.; Kaurin, T.	Reactive Printing and Wash Fastness of Inherent Flame Retardant Fabrics for Dual Use	Materials, IF 3.748, Q2	2022, 15(14): 4791	znanstveni rad	file:///C:/Users/TTF/Downloads/materials-15-04791%20(1).pdf
31.	Firšt Rogale S., Rogale D., Knezić Ž., Jukl N.	Measurement Method for the Simultaneous Determination of Thermal Resistance and Temperature Gradients in the Determination of Thermal Properties	Materials, IF 3.748, Q2 (2021, 14, 6853, 1-20,	znanstveni rad	https://www.mdpi.com/1996-1944/14/22/6853
32.	Petrak, S.; Mahnić Naglić, M.; Rogale, D.; Geršak, J.	Analysis of Polygonal Computer Model Parameters and Influence on Fabric Drapes Simulation	Materials, IF 3.748, Q2	2021, 14, (21); str. 1996- 1944	znanstveni rad	https://www.mdpi.com/1996-1944/14/21/6259
33.	Šimić, K.; Soljačić, I.; Mudronja, D.; Petrović Leš, T.	Metal Content and Structure of Textiles in Textile Metal Threads in Croatia from 17th to 20th Century	Materials, IF 3.748, Q2	2022, 15 (1)	znanstveni rad	https://www.mdpi.com/1996-1944/15/1/251
34.	Salopek Čubrić, I.; Potočić Matković, V. M.; Pavlović, Ž.; Pavko Čuden, A.	<u>Material and Structural Functionalization of Knitted Fabrics for Sportswear</u>	Materials, IF 3.748, Q2	2022, 15(9); 1-18	znanstveni rad	https://www.mdpi.com/1996-1944/15/9/3306
35.	Jovanović, T.; Penava, Ž.; Vrljičak, Z.	Impact of the Elastane Percentage on the Elastic Properties of Knitted Fabrics under Cyclic Loading	Materials, IF 3.748, Q2	2022, 19 (15): 6512	znanstveni rad	file:///C:/Users/TTF/Downloads/materials-15-06512.pdf
36.	Penava, Ž.; Šimić Penava, D.; Knezić, Ž.	Heat as a Conductivity Factor of Electrically Conductive Yarns Woven into Fabric	Materials, IF 3.748, Q2	2022, 3 (15): 1202-18	znanstveni rad	https://www.mdpi.com/1996-1944/15/3/1202

37.	Lozo, M.; Penava, Ž.; Lovričević, I.; Vrljičak, Z.	The Structure and Compression of Medical Compression Stockings	Materials, IF 3.748, Q2	2022, 1 (15): 353	znanstveni rad	https://www.mdpi.com/1996-1944/15/1/353
38.	Rodić, M.	Some generalizations of the Jensen-type inequalities with applications	Axioms, IF 1,824, Q2	2022, 11, 227,	znanstveni rad	https://www.mdpi.com/2075-1680/11/5/227
39.	Gudelj, A. Krulić Himmelreich, K.; Pečarić J.	General Opial Type Inequality and New Green Functions	Axioms, 1.824, Q2	2022, 11, 1-16.	znanstveni rad	https://www.mdpi.com/2075-1680/11/6/252
40.	Smoljak Kalamir, K.	New Diamond- α Steffensen-Type Inequalities for Convex Functions over General Time Scale Measure Spaces	Axioms, IF 1.824, Q2	2022, (11): 323,1-16	znanstveni rad	https://www.mdpi.com/2075-1680/11/7/323
41.	Krulić Himmelreich K.	Generalizations of Hardy Type Inequalities by Taylor's Formula	Mathematica Slovaca, IF 0.996, Q2	2022, 72 (1), 67- 84.	znanstveni rad	https://www.degruyter.com/document/doi/10.1515/ms-2022-0005/html
42.	Špelić, I.	Applying 3D scanning and CAD reverse engineering for clothing thermal analysis	Cogent Engineering IF=n/a, Q2	2021, 8 (1). 2006867	znanstveni rad	https://www.tandfonline.com/doi/full/10.1080/23311916.2021.2006867

