

A list of papers published in scientific journals whose Impact Factor is located in the first (Q1) quartel according to the WoSCC platform (Web of Science Core collection) for 2019/2020.

1. Pečarić, Đilda; Pečarić, Josip; Rodić, Mirna: On a Jensen–type inequality for generalized f–divergences and Zipf–Mandelbrot law // *Mathematical inequalities & applications*, **22** (2019), 4; 1463-1475 doi:10.7153/mia-2019-22-102, **IF 1,510**, <http://mia.ele-math.com/22-102/On-a-Jensen-type-inequality-for-generalized-f-divergences-and-Zipf-Mandelbrot-law>
2. Mikić, Rozarija; Pečarić, Đilda; Pečarić, Josip: Inequalities of the Edmundson-Lah-Ribarič type for n-convex functions with applications // *Ukrainian mathematical journal*, **73** (2021), 1; 89-106 doi:10.37863/umzh.v73i1.721, **IF 1,510** <http://umj.imath.kiev.ua/index.php/umj/article/view/721>
3. Smoljak Kalamir, Ksenija: Weaker Conditions for the q-Steffensen Inequality and Some Related Generalizations // *Mathematics*, **8** (2020), 9; 1462, 11, **IF 1,747**, <https://www.mdpi.com/2227-7390/8/9/1462>
4. Tarbuk, Anita; Grgić, Katia; Toshikj, Emilija; Domović, Daniel; Dimitrovski, Dejan; Dimova, Vesna; Jordanov, Igor: Monitoring of cellulose oxidation level by electrokinetic phenomena and numeric prediction model // *Cellulose*, **27** (2020), 3107-3119 doi:10.1007/s10570-020-03028-6, **IF 4,512**, <https://link.springer.com/article/10.1007/s10570-020-03028-6>
5. Jakšetić, Julije; Pečarić, Josip; Smoljak Kalamir, Ksenija: Further improvement of an extension of Hölder-type inequality // *Mathematical inequalities & applications*, **22** (2019), 4; 1161-1175 (međunarodna recenzija, članak, znanstveni), <http://files.ele-math.com/abstracts/mia-22-80-abs.pdf>
6. Pečarić, Josip; Perušić Pribanić, Anamarija; Smoljak Kalamir, Ksenija: Integral error representation of Hermite interpolating polynomials and related generalizations of Steffensen's inequality // *Mathematical inequalities & applications*, **22** (2019), 4; 1177-1191 doi:10.7153/mia-2019-22-81, **IF 1,510**, <http://mia.ele-math.com/22-81/Integral-error-representation-of-Hermite-interpolating-polynomials-and-related-generalizations-of-Steffensen-s-inequality>
7. ominac Trcin, Mirna; Zdraveva, Emilija; Dolenc, Tamara; Vrgoč Zimić, Ivana; Bujić Mihica, Marina; Batarilo, Ivanka; Dekaris, Iva; Blažević, Valentina; Slivac, Igor; Holjevac Grgurić, Tamara et al.: Poly(ϵ -caprolactone) Titanium Dioxide and Cefuroxime Antimicrobial Scaffolds for Cultivation of Human Limbal Stem Cells // *Polymers*, **12** (2020), 8; 1758, 26 doi:10.3390/polym12081758, **IF 3,426**, <https://www.mdpi.com/2073-4360/12/8/1758>
8. Malinar, Rajna; Flinčec Grgac, Sandra; Katović, Drago: Textile particle generation: test method for nonwovens modified for use on woven materials // *Textile Research Journal*, **90** (2020), 19-20; 2284-2291 doi:10.1177/0040517520915840, **IF 1,926**, <https://journals.sagepub.com/doi/10.1177/0040517520915840>
9. Jordanov, Igor; Magovac, Eva; Fahami, Abbas; Lazar, Simone; Kolibaba, Thomas; Smith, Ryan J.; Bischof, Sandra; Grunlan, Jaime C.: Flame retardant polyester fabric from nitrogen-rich low molecular weight additives within intumescent nanocoating // *Polymer degradation and stability*, **170** (2019), 1-7 doi:10.1016/j.polymdegradstab.2019.108998, **IF 4.032**, <file:///C:/Users/Sandra/Downloads/1029727.1-s2.0-S014139101930326X-main.pdf>
10. Jerković, Ivona; Grancarić, Anamarija; Končar, Vladan: The electrical properties of poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) films and its effect onto sensor yarn coating // *Journal of Industrial Textiles* (2020) doi:10.1177/1528083720924843, **IF 2,01**, <https://journals.sagepub.com/doi/10.1177/1528083720924843>
11. Ana Sutlović, Ana; Brlek, Iva; Ljubić, Valerija; Glogar, Martinia Ira: Optimization of Dyeing Process of Cotton Fabric with Cochineal Dye // *Fibers and polymers*, **21** (2020), 3; 555-563 doi:10.1007/s12221-020-9153-z, **IF 1,797**, <https://link.springer.com/article/10.1007%2Fs12221-020-9153-z>

12. Kovačević, Stana; Schwarz, Ivana; Đorđević, Suzana; Đorđević, Dragan: Synthesis of Corn Starch Derivatives and Their Application in Yarn Sizing // *Polymers*, **12** (2020), 6; 1251, 22 doi:10.3390/polym12061251, **IF 3,426**, <https://www.mdpi.com/2073-4360/12/6/1251>
13. Rogina-Car, Beti; Kovačević, Stana; Schwarz, Ivana; Dimitrovski, Krste: Microbial Barrier Properties of Cotton Fabric— Influence of Weave Architecture // *Polymers*, **12** (2020), 7; 1570-1589 doi:10.3390/polym12071570, **IF 3,426**, <https://www.mdpi.com/2073-4360/12/7/1570>
14. Kiš, Ana; Brnada, Snježana; Kovačević, Stana: Influence of Fabric Weave on Thermal Radiation Resistance and Water Vapor Permeability // *Polymers*, **12** (2020), 3; 525, 15 doi:10.3390/polym12030525, **IF 3,426**, <https://www.mdpi.com/2073-4360/12/3/525>
15. Rogina-Car, Beti; Kovačević, Stana; Đorđević, Suzana; Đorđević, Dragan: Influence of Washing and Sterilization on Properties of Polyurethane Coated Fabrics Used in Surgery and for Wrapping Sterile Items // *Polymers*, **12** (2020), 3; 642, 18 doi:10.3390/polym12030642, **IF 3,426**, <https://www.mdpi.com/2073-4360/12/3/642>
16. Rezić, Iva; Kiš, Ana: Design of Experiment Approach to Optimize Hydrophobic Fabric Treatments // *Polymers*, **09** (2020), 2-15 doi:10.3390/polym12092131, **IF 3,426**, <https://www.mdpi.com/2073-4360/12/9/2131>
17. Racané, Livio; Ptiček, Lucija; Fajdetić, Glorija; Tralić-Kulenović, Vesna; Klobučar, Marko; Kraljević Pavelić, Sandra; Perić, Mihaela; Čipčić Paljetak, Hana; Verbanac, Donatella; Starčević, Kristina: Green synthesis and biological evaluation of 6- substituted-2-(2-hydroxy/methoxyphenyl)benzothiazole derivatives as potential antioxidant, antibacterial and antitumor agents // *Bioorganic chemistry*, **95** (2020), 103537, 10 doi:10.1016/j.bioorg.2019.103537 (međunarodna recenzija, članak, znanstveni), <https://www.sciencedirect.com/science/article/abs/pii/S0045206819316943?via%3Dihub>
18. Martinaga Pintarić, L.; Somogy Škoc, M.; Ljoljić Bilić, V.; Pokrovac, I.; Kosalec, I.; Rezić, I.: Synthesis, Modification and Characterization of Antimicrobial Textile Surface Containing ZnO Nanoparticles // *Polymers*, **12** (2020), 6; 1210, 15 doi:10.3390/polym12061210, **IF 3,426**, <https://www.mdpi.com/2073-4360/12/6/1210>
19. Brlobašić Šajatović, Blaženka; Petrak, Slavenka; Mahnić Naglić, Maja: Analysis of body proportions of Croatian basketball players and the untrained population and their influence on garment fit // *Textile research journal*, **89** (2019), 23-24; 5238-5251 doi:10.1177/2F0040517519849469, **IF 1,926**, <https://journals.sagepub.com/eprint/PDNBXYH4NQG6TY3VDEUK/full>
20. Peran, Jelena; Ercegović Ražić, Sanja: Application of atmospheric pressure plasma technology for textile surface modification // *Textile Research Journal*, **90** (2020), 9-10; 1174-1197 doi:10.1177/0040517519883954, **IF 1,926**, <https://journals.sagepub.com/doi/10.1177/0040517519883954>
21. Rogale, Dubravko; Firšt Rogale, Snježana; Majstorović, Goran, Čubrić, Goran: Thermal properties of thermal insulation chambers // *Textile research journal*, **90** (2020), 966718, 9 doi:10.1177/0040517520966718, **IF 1,926**, <https://journals.sagepub.com/doi/10.1177/0040517520966718>