Matej Bracic

List of Publications by Year
in descending order

47 papers	964 citations	393982 19 h-index	476904 29 g-index
48 all docs	48 docs citations	48 times ranked	1353 citing authors

#	Article	IF	Citations
1	Adsorption of Carboxymethyl Cellulose on Polymer Surfaces: Evidence of a Specific Interaction with Cellulose. Langmuir, 2012, 28, 11440-11447.	1.6	86
2	Antifouling coating of cellulose acetate thin films with polysaccharide multilayers. Carbohydrate Polymers, 2015, 116, 149-158.	5.1	61
3	Protonation behavior of cotton fabric with irreversibly adsorbed chitosan: A potentiometric titration study. Carbohydrate Polymers, 2009, 78, 36-40.	5.1	54
4	Antimicrobial and antioxidant functionalization of viscose fabric using chitosanâ€“curcumin formulations. Textile Reseach Journal, 2014, 84, 819-830.	1.1	53
5	Low density polyethylene â€“ Chitosan composites. Composites Part B: Engineering, 2013, 55, 314-323.	5.9	51
6	Preparation of PDMS ultrathin films and patterned surface modification with cellulose. RSC Advances, 2014, 4, 11955-11961.	1.7	45
7	Robust Superhydrophobic Cellulose Nanofiber Aerogel for Multifunctional Environmental Applications. Polymers, 2019, 11, 495.	2.0	37
8	Protein-repellent and antimicrobial nanoparticle coatings from hyaluronic acid and a lysine-derived biocompatible surfactant. Journal of Materials Chemistry B, 2017, 5, 3888-3897.	2.9	32
9	Recent Advancements in 3D Printing of Polysaccharide Hydrogels in Cartilage Tissue Engineering. Materials, 2021, 14, 3977.	1.3	31
10	Highly Protein Repellent and Antiadhesive Polysaccharide Biomaterial Coating for Urinary Catheter Applications. ACS Biomaterials Science and Engineering, 2019, 5, 5825-5832.	2.6	29
11	Effect of different surface active polysaccharide derivatives on the formation of ethyl cellulose particles by the emulsion-solvent evaporation method. Cellulose, 2018, 25, 6901-6922.	2.4	28
12	Efficiency of Differently Processed Membranes Based on Cellulose as Cationic Dye Adsorbents. Nanomaterials, 2020, 10, 642.	1.9	28
13	Electrospun nanofibrous composites from cellulose acetate / ultra-high silica zeolites and their potential for VOC adsorption from air. Carbohydrate Polymers, 2020, 236, 116071.	5.1	27
14	The effect of chitosan nanoparticles onto Lactobacillus cells. Reactive and Functional Polymers, 2015, 97, 56-62.	2.0	25
15	Stability of a chitosan layer deposited onto a polyethylene surface. Journal of Applied Polymer Science, 2013, 130, 2444-2457.	1.3	24
16	Surface modification of silicone with colloidal polysaccharides formulations for the development of antimicrobial urethral catheters. Applied Surface Science, 2019, 463, 889-899.	3.1	24
17	A novel synergistic formulation between a cationic surfactant from lysine and hyaluronic acid as an antimicrobial coating for advanced cellulose materials. Cellulose, 2014, 21, 2647-2663.	2.4	23
18	Nano- and Micropatterned Polycaprolactone Cellulose Composite Surfaces with Tunable Protein Adsorption, Fibrin Clot Formation, and Endothelial Cellular Response. Biomacromolecules, 2019, 20, 2327-2337.	2.6	21

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19	Interaction of Sodium Hyaluronate with a Biocompatible Cationic Surfactant from Lysine: A Binding Study. Langmuir, 2015, 31, 12043-12053.	1.6	20
20	Nonspecific protein adsorption on cationically modified Lyocell fibers monitored by zeta potential measurements. Carbohydrate Polymers, 2017, 164, 49-56.	5.1	20
21	Oneâ€Step Noncovalent Surface Functionalization of PDMS with Chitosanâ€Based Bioparticles and Their Proteinâ€Repellent Properties. Advanced Materials Interfaces, 2017, 4, 1700416.	1.9	19
22	Physicochemical Properties and Bioactivity of a Novel Class of Cellulosics: 6â€Deoxyâ€6â€amino Cellulose Sulfate. Macromolecular Chemistry and Physics, 2012, 213, 539-548.	1.1	18
23	Chemical Structureâ€"Antioxidant Activity Relationship of Waterâ€"Based Enzymatic Polymerized Rutin and Its Wound Healing Potential. Polymers, 2019, 11, 1566.	2.0	16
24	Bioactive Functional Nanolayers of Chitosanâ€"Lysine Surfactant with Single- and Mixed-Protein-Repellent and Antibiofilm Properties for Medical Implants. ACS Applied Materials & Interfaces, 2021, 13, 23352-23368.	4.0	16
25	Consolidation of cellulose nanofibrils with lignosulphonate bio-waste into excellent flame retardant and UV blocking membranes. Carbohydrate Polymers, 2021, 251, 117126.	5.1	15
26	Influence of sulfated arabino- and glucuronoxylans charging-behavior regarding antithrombotic properties. Reactive and Functional Polymers, 2013, 73, 1639-1645.	2.0	14
27	Comparison of Trimethylsilyl Cellulose-Stabilized Carbonate and Hydroxide Nanoparticles for Deacidification and Strengthening of Cellulose-Based Cultural Heritage. ACS Omega, 2020, 5, 29243-29256.	1.6	13
28	Chemical modification and characterization of poly(ethylene terephthalate) surfaces for collagen immobilization. Open Chemistry, 2013, 11, 1786-1798.	1.0	11
29	Modification of cellulose thin films with lysine moieties: a promising approach to achieve antifouling performance. Cellulose, 2018, 25, 537-547.	2.4	11
30	Charging Behavior and Stability of the Novel Amino Group Containing Cellulose Ester Celluloseâ€4â€[<i>N</i>â€methylamino]butyrate Hydrochloride. Macromolecular Chemistry and Physics, 2012, 213, 1669-1676.	1.1	10
31	Novel protein-repellent and antimicrobial polysaccharide multilayer thin films. Holzforschung, 2018, 73, 93-103.	0.9	10
32	Functionalisation of Silicone by Drug-Embedded Chitosan Nanoparticles for Potential Applications in Otorhinolaryngology. Materials, 2019, 12, 847.	1.3	10
33	Gold Inks for Inkjet Printing on Photo Paper: Complementary Characterisation. Nanomaterials, 2021, 11, 599.	1.9	10
34	Design of stable and new polysaccharide nanoparticles composite and their interaction with solid cellulose surfaces. Nano Structures Nano Objects, 2020, 24, 100564.	1.9	10
35	Characterization of viscose fibers modified with 6-deoxy-6-amino cellulose sulfate. Cellulose, 2012, 19, 2057-2067.	2.4	9
36	Film formation of Ï‰-aminoalkylcellulose carbamates â€" A quartz crystal microbalance (QCM) study. Carbohydrate Polymers, 2015, 116, 111-116.	5.1	9

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37	Water-based carbodiimide mediated synthesis of polysaccharide-amino acid conjugates: Deprotection, charge and structural analysis. Carbohydrate Polymers, 2021, 267, 118226.	5.1	9
38	Antimicrobial efficiency evaluation by monitoring potassium efflux for cellulose fibres functionalised by chitosan. Cellulose, 2015, 22, 1933-1942.	2.4	8
39	Protein repellent anti-coagulative mixed-charged cellulose derivative coatings. Carbohydrate Polymers, 2021, 254, 117437.	5.1	8
40	Affinity of Serum Albumin and Fibrinogen to Cellulose, Its Hydrophobic Derivatives and Blends. Frontiers in Chemistry, 2019, 7, 581.	1.8	7
41	Anticoagulant Activity of Cellulose Nanocrystals from Isora Plant Fibers Assembled on Cellulose and SiO2 Substrates via a Layer-by-Layer Approach. Polymers, 2021, 13, 939.	2.0	6
42	Functionalization of Polymer Materials for Medical Applications Using Chitosan Nanolayers. , 2019, , 333-358.		2
43	Succinylation of Polyallylamine: Influence on Biological Efficacy and the Formation of Electrospun Fibers. Polymers, 2021, 13, 2840.	2.0	2
44	Protonation behavior of dextran amino acid esters. Turkish Journal of Chemistry, 2019, 43, 869-880.	0.5	1
45	Catheter Associated Urethral Tract Infections. Springer Briefs in Molecular Science, 2018, , 11-15.	0.1	0
46	Functionalisation of Silicones with Polysaccharides. Springer Briefs in Molecular Science, 2018, , 27-68.	0.1	0
47	Polysaccharides in Medical Applications. Springer Briefs in Molecular Science, 2018, , 17-26.	0.1	0