

# Antonin Minarik

## List of Publications by Year in descending order

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42  
papers

604  
citations

566801

15  
h-index

642321

23  
g-index

42  
all docs

42  
docs citations

42  
times ranked

902  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pickering oil-in-water emulsions stabilized by carboxylated cellulose nanocrystals – Effect of the pH. <i>Food Hydrocolloids</i> , 2018, 80, 60-67.	5.6	84
2	Hyaluronan hydrogels modified by glycinated Kraft lignin: Morphology, swelling, viscoelastic properties and biocompatibility. <i>Carbohydrate Polymers</i> , 2018, 181, 394-403.	5.1	61
3	Stem cell differentiation on conducting polyaniline. <i>RSC Advances</i> , 2015, 5, 68796-68805.	1.7	33
4	Polythiophene-based conjugated polyelectrolyte: Optical properties and association behavior in solution. <i>Synthetic Metals</i> , 2015, 202, 16-24.	2.1	25
5	Viscoelastic and mechanical properties of hyaluronan films and hydrogels modified by carbodiimide. <i>Carbohydrate Polymers</i> , 2015, 119, 142-148.	5.1	25
6	Poly(2-oxazoline)-based magnetic hydrogels: Synthesis, performance and cytotoxicity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 190, 110912.	2.5	24
7	Controlled release of enrofloxacin by vanillin-crosslinked chitosan-polyvinyl alcohol blends. <i>Materials Science and Engineering C</i> , 2021, 126, 112125.	3.8	24
8	The Impact of Polymer Grafting from a Graphene Oxide Surface on Its Compatibility with a PDMS Matrix and the Light-Induced Actuation of the Composites. <i>Polymers</i> , 2017, 9, 264.	2.0	22
9	The effect of plasma treatment on structure and properties of poly(1-butene) surface. <i>European Polymer Journal</i> , 2012, 48, 866-874.	2.6	21
10	Preparation of Textured Surfaces on Aluminum-Alloy Substrates. <i>Materials</i> , 2019, 12, 109.	1.3	20
11	Water-insoluble thin films from palmitoyl hyaluronan with tunable properties. <i>Carbohydrate Polymers</i> , 2016, 144, 68-75.	5.1	17
12	Preparation of Hierarchically Structured Polystyrene Surfaces with Superhydrophobic Properties by Plasma-Assisted Fluorination. <i>Coatings</i> , 2019, 9, 201.	1.2	16
13	The behaviour of hyaluronan solutions in the presence of Hofmeister ions: A light scattering, viscometry and surface tension study. <i>Carbohydrate Polymers</i> , 2019, 212, 395-402.	5.1	16
14	Conducting composite films based on chitosan or sodium hyaluronate. Properties and cytocompatibility with human induced pluripotent stem cells. <i>Carbohydrate Polymers</i> , 2021, 253, 117244.	5.1	16
15	The diffusion process of sodium hyaluronate (Na-Ha) and Na-Ha-n-alkyl derivatives films swelling. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 83A, 184-190.	2.1	15
16	Electrochemically prepared composites of graphene oxide and conducting polymers: Cytocompatibility of cardiomyocytes and neural progenitors. <i>Materials Science and Engineering C</i> , 2019, 105, 110029.	3.8	14
17	Foamed Phase Change Materials Based on Recycled Polyethylene/Paraffin Wax Blends. <i>Polymers</i> , 2021, 13, 1987.	2.0	14
18	Effect of Different Fillers on the Biodegradation Rate of Thermoplastic Starch in Water and Soil Environments. <i>Journal of Polymers and the Environment</i> , 2020, 28, 566-583.	2.4	13

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19	Electrospinning of Hyaluronan Using Polymer Coelectrospinning and Intermediate Solvent. <i>Polymers</i> , 2019, 11, 1517.	2.0	12
20	Ligand-Directed Immobilization of Proteins through an Esterase 2 Fusion Tag Studied by Atomic Force Microscopy. <i>ChemBioChem</i> , 2008, 9, 124-130.	1.3	11
21	Preliminary investigation of factors determining self-organised structures preparation in polymer layers. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 4135-4142.	2.5	10
22	The influence of quarternary salt on hyaluronan conformation and particle size in solution. <i>Carbohydrate Polymers</i> , 2013, 98, 1039-1044.	5.1	10
23	Variations of Polymer Porous Surface Structures via the Time-Sequenced Dosing of Mixed Solvents. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 6472-6481.	4.0	9
24	Electrorheology of SI-ATRP-modified graphene oxide particles with poly(butyl methacrylate): effect of reduction and compatibility with silicone oil. <i>RSC Advances</i> , 2019, 9, 1187-1198.	1.7	9
25	A special instrument for exact control of self-organized structures preparation in polymer layers. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 5472-5477.	2.5	8
26	Zein-Based Films Containing Monolaurin/Eugenol or Essential Oils with Potential for Bioactive Packaging Application. <i>International Journal of Molecular Sciences</i> , 2022, 23, 384.	1.8	8
27	DNA Functionalized Spider Silk Nanohydrogels for Specific Cell Attachment and Patterning. <i>ACS Nano</i> , 2022, 16, 7626-7635.	7.3	8
28	Self-organised patterns in polymeric films solidified from diluted solutions – The effect of the substrate surface properties. <i>International Journal of Heat and Mass Transfer</i> , 2014, 78, 615-623.	2.5	7
29	Factors determining self-assembly of hyaluronan. <i>Carbohydrate Polymers</i> , 2021, 254, 117307.	5.1	7
30	Surface Modification of Metallic Inserts for Enhancing Adhesion at the Metal-Polymer Interface. <i>Polymers</i> , 2021, 13, 4015.	2.0	7
31	Characterization at 25 °C of Sodium Hyaluronate in Aqueous Solutions Obtained by Transport Techniques. <i>Molecules</i> , 2015, 20, 5812-5824.	1.7	6
32	Effect of Hofmeister Ions on Transport Properties of Aqueous Solutions of Sodium Hyaluronate. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1932.	1.8	5
33	Cross-Linked Gelatine by Modified Dextran as a Potential Bioink Prepared by a Simple and Non-Toxic Process. <i>Polymers</i> , 2022, 14, 391.	2.0	5
34	Simplified synthesis of silver nanoparticles on graphene oxide and their applications in electrocatalysis. <i>Nanotechnology</i> , 2020, 32, 025502.	1.3	4
35	Hierarchically Structured Polystyrene-Based Surfaces Amplifying Fluorescence Signals: Cytocompatibility with Human Induced Pluripotent Stem Cell. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11943.	1.8	3
36	The Effect of In Vitro Digestion on Matcha Tea ( <i>Camellia sinensis</i> ) Active Components and Antioxidant Activity. <i>Antioxidants</i> , 2022, 11, 889.	2.2	3

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37	New approach to prepare cytocompatible 3D scaffolds via the combination of sodium hyaluronate and colloidal particles of conductive polymers. <i>Scientific Reports</i> , 2022, 12, 8065.	1.6	3
38	Whole-Cell Protein Profiles of Disintegrated Freshwater Green Algae and Cyanobacterium. <i>Journal of Aquatic Food Product Technology</i> , 2016, 25, 15-23.	0.6	2
39	A special instrument for the defined modification of polymer properties in solutions and polymer layers. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 97, 218-225.	2.5	2
40	Environmentally friendly polymeric films based on biocarbon, synthetic zeolite and PVP for agricultural chemistry. <i>Polymer Bulletin</i> , 0, , 1.	1.7	2
41	Hierarchically Structured Surfaces Prepared by Phase Separation: Tissue Mimicking Culture Substrate. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2541.	1.8	2
42	The effect of temperature gradient on the variation of surface topography and reflectivity of anisotropically etched silicon wafers. <i>Sensors and Actuators A: Physical</i> , 2017, 262, 1-9.	2.0	1