

Alina Gabriela Rusu

List of Publications by Year in descending order

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35
papers

966
citations

567281

15
h-index

454955

30
g-index

35
all docs

35
docs citations

35
times ranked

1282
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured hyaluronic acid-based hydrogels encapsulating synthetic/ natural hybrid nanogels as promising wound dressings. <i>Biochemical Engineering Journal</i> , 2022, 179, 108341.	3.6	16
2	Development of a new polymer network system carrier of essential oils. <i>Biomedicine and Pharmacotherapy</i> , 2022, 149, 112919.	5.6	8
3	Comparative study on the properties of a bio-based copolymerolactone system. <i>Polymer Testing</i> , 2022, 109, 107555.	4.8	6
4	Synthesis and Comparative Studies of Glucose Oxidase Immobilized on Fe ₃ O ₄ Magnetic Nanoparticles Using Different Coupling Agents. <i>Nanomaterials</i> , 2022, 12, 2445.	4.1	5
5	New Cryogels Based on Poly(vinyl alcohol) and a Copolymerolactone System: I-Synthesis and Characterization. <i>Nanomaterials</i> , 2022, 12, 2420.	4.1	6
6	Polymeric Carriers Designed for Encapsulation of Essential Oils with Biological Activity. <i>Pharmaceutics</i> , 2021, 13, 631.	4.5	30
7	Synthesis of Poly(Ethylene Brassylate-Co-squaric Acid) as Potential Essential Oil Carrier. <i>Pharmaceutics</i> , 2021, 13, 477.	4.5	16
8	Alginate enriched with phytic acid for hydrogels preparation. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 561-571.	7.5	37
9	Paclitaxel-Loaded Magnetic Nanoparticles Based on Biotinylated N-Palmitoyl Chitosan: Synthesis, Characterization and Preliminary In Vitro Studies. <i>Molecules</i> , 2021, 26, 3467.	3.8	9
10	Alginate enriched with phytic acid for hydrogels preparation. Therapeutic applications. <i>International Journal of Biological Macromolecules</i> , 2021, 189, 335-345.	7.5	3
11	New Hydrogel Network Based on Alginate and a Spiroacetal Copolymer. <i>Gels</i> , 2021, 7, 241.	4.5	5
12	New Physical Hydrogels Based on Co-Assembling of Fmoc-Amino Acids. <i>Gels</i> , 2021, 7, 208.	4.5	8
13	New Polymeric Particles Loaded With Sea Buckthorn Essential Oil. , 2021, , .		0
14	Chitosan Derivatives in Macromolecular Co-assembly Nanogels with Potential for Biomedical Applications. <i>Biomacromolecules</i> , 2020, 21, 4231-4243.	5.4	17
15	Self-Assembled Nanocarriers Based on Modified Chitosan for Biomedical Applications: Preparation and Characterization. <i>Polymers</i> , 2020, 12, 2593.	4.5	11
16	New Trends in Bio-Based Aerogels. <i>Pharmaceutics</i> , 2020, 12, 449.	4.5	103
17	Stimuli Responsive Scaffolds Based on Carboxymethyl Starch and Poly(2-Dimethylaminoethyl) Tj ETQq1 1 0.784314 rgBT / Overlock 10	4.1	23
18	Trends in 3D Printing Processes for Biomedical Field: Opportunities and Challenges. <i>Journal of Polymers and the Environment</i> , 2020, 28, 1345-1367.	5.0	110

#	ARTICLE	IF	CITATIONS
19	Advancement in the Biomedical Applications of the (Nano)gel Structures Based on Particular Polysaccharides. <i>Macromolecular Bioscience</i> , 2019, 19, e1900187.	4.1	31
20	Multifunctional hybrid 3D network based on hyaluronic acid and a copolymer containing pendant spiroacetal moieties. <i>International Journal of Biological Macromolecules</i> , 2019, 125, 191-202.	7.5	6
21	New self-healing hydrogels based on reversible physical interactions and their potential applications. <i>European Polymer Journal</i> , 2019, 118, 176-185.	5.4	16
22	Interpenetrated polymer network with modified chitosan in composition and self-healing properties. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 374-384.	7.5	35
23	Nanorobots With Applications in Medicine. , 2019, , 123-149.		9
24	Nanogels Containing Polysaccharides for Bioapplications. , 2019, , 387-420.		10
25	Multifunctional BSA Scaffolds Prepared with a Novel Combination of UVâ€Crosslinking Systems. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900378.	2.2	7
26	Interpenetrating polymer network systems based on poly(dimethylaminoethyl methacrylate) and a copolymer containing pendant spiroacetal moieties. <i>Materials Science and Engineering C</i> , 2018, 87, 22-31.	7.3	16
27	Studies on the nanocomposites based on carboxymethyl starch-g-lactic acid-co-glycolic acid copolymer and magnetite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 1867-1880.	3.6	14
28	Functional and structural analysis of a network containing a polymer structure with spiroacetal moieties and riboflavin as low molecular mass gelator. <i>Materials Chemistry and Physics</i> , 2018, 217, 242-253.	4.0	2
29	Basic concepts and recent advances in nanogels as carriers for medical applications. <i>Drug Delivery</i> , 2017, 24, 539-557.	5.7	319
30	Hyaluronic acid gels with tunable properties by conjugating with a synthetic copolymer. <i>Biochemical Engineering Journal</i> , 2017, 125, 135-143.	3.6	22
31	Biocompatible and Biodegradable Hydrogels Based on Chitosan and Gelatin with Potential Applications as Wound Dressings. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4584-4591.	0.9	10
32	Tailoring the properties of chitosan-poly(acrylic acid) based hydrogels by hydrophobic monomer incorporation. <i>Materials Letters</i> , 2016, 164, 320-324.	2.6	13
33	Development of novel hydrogels based on citraconyl-chitosan and poly(acrylic acid) as potential wound dressing materials. , 2015, , .		2
34	Thermal behavior of hydrophobically modified hydrogels using TGA/FTIR/MS analysis technique. <i>Thermochimica Acta</i> , 2015, 613, 28-40.	2.7	40
35	Novel semi-interpenetrating polymer networks based on functionalized chitosan and poly(acrylic) Tj ETQq1 1 0.784314 rgBT ₁ Overl		