Nagore Gabilondo

List of Publications by Year
in descending order

68 papers	2,741 citations	156536 32 h-index	214428 50 g-index
68 all docs	68 docs citations	68 times ranked	3765 citing authors

#	Article	IF	Citations
1	Bioactive inks suitable for 3D printing based on waterborne polyurethane urea, cellulose nanocrystals and Salvia extract. Reactive and Functional Polymers, 2022, 175, 105286.	2.0	2
2	3D printing of customized all-starch tablets with combined release kinetics. International Journal of Pharmaceutics, 2022, 622, 121872.	2.6	11
3	Furan-containing biobased polyurethane nanofibers: A new versatile and green support clickable via Diels-Alder reaction. Reactive and Functional Polymers, 2022, 178, 105353.	2.0	2
4	Tailorâ€Made 3D Printed Meshes of Alginateâ€Waterborne Polyurethane as Suitable Implants for Hernia Repair. Macromolecular Bioscience, 2022, 22, .	2.1	5
5	Role of in situ added cellulose nanocrystals as rheological modulator of novel waterborne polyurethane urea for 3D-printing technology. Cellulose, 2021, 28, 4729-4744.	2.4	17
6	Morphological Analysis of Several Bamboo Species with Potential Structural Applications. Polymers, 2021, 13, 2126.	2.0	8
7	Design of a Waterborne Polyurethaneâ€"Urea Ink for Direct Ink Writing 3D Printing. Materials, 2021, 14, 3287.	1.3	17
8	A review of bacterial cellulose: sustainable production from agricultural waste and applications in various fields. Cellulose, 2021, 28, 8229-8253.	2.4	74
9	3D printed alginate-cellulose nanofibers based patches for local curcumin administration. Carbohydrate Polymers, 2021, 264, 118026.	5.1	43
10	Design of drug-loaded 3D printing biomaterial inks and tailor-made pharmaceutical forms for controlled release. International Journal of Pharmaceutics, 2021, 609, 121124.	2.6	14
11	Superabsorbent bacterial cellulose spheres biosynthesized from winery by-products as natural carriers for fertilizers. International Journal of Biological Macromolecules, 2021, 191, 1212-1220.	3.6	18
12	The role of cellulose nanocrystals in biocompatible starch-based clicked nanocomposite hydrogels. International Journal of Biological Macromolecules, 2020, 143, 265-272.	3.6	25
13	Improving mechanical and barrier properties of thermoplastic starch and polysaccharide nanocrystals nanocomposites. European Polymer Journal, 2020, 123, 109415.	2.6	54
14	Light-driven assembly of biocompatible fluorescent chitosan hydrogels with self-healing ability. Journal of Materials Chemistry B, 2020, 8, 9804-9811.	2.9	18
15	Tailoring the in situ conformation of bacterial cellulose-graphene oxide spherical nanocarriers. International Journal of Biological Macromolecules, 2020, 163, 1249-1260.	3.6	28
16	Î²-Glycerol phosphate/genipin chitosan hydrogels: A comparative study of their properties and diclofenac delivery. Carbohydrate Polymers, 2020, 248, 116811.	5.1	35
17	Waterborne polyurethane and graphene/graphene oxide-based nanocomposites: Reinforcement and electrical conductivity. EXPRESS Polymer Letters, 2020, 14, 1018-1033.	1.1	8
18	Influence of Process Parameters in Graphene Oxide Obtention on the Properties of Mechanically Strong Alginate Nanocomposites. Materials, 2020, 13, 1081.	1.3	11

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19	Dual charged folate labelled chitosan nanogels with enhanced mucoadhesion capacity for targeted drug delivery. European Polymer Journal, 2020, 134, 109847.	2.6	16
20	Valorization of apple waste for active packaging: multicomponent polyhydroxyalkanoate coated nanopapers with improved hydrophobicity and antioxidant capacity. Food Packaging and Shelf Life, 2019, 21, 100356.	3.3	39
21	In situ crossâ€“linked chitosan hydrogels via Michael addition reaction based on waterâ€“soluble thiolâ€“maleimide precursors. European Polymer Journal, 2019, 119, 376-384.	2.6	45
22	Self-healable hyaluronic acid/chitosan polyelectrolyte complex hydrogels and multilayers. European Polymer Journal, 2019, 120, 109268.	2.6	55
23	Reversible swelling behaviour of Dielsâ€“Alder clicked chitosan hydrogels in response to pH changes. EXPRESS Polymer Letters, 2019, 13, 27-36.	1.1	11
24	Design of reusable novel membranes based on bacterial cellulose and chitosan for the filtration of copper in wastewaters. Carbohydrate Polymers, 2018, 193, 362-372.	5.1	73
25	Synthesis of stimuliâ€“responsive chitosanâ€“based hydrogels by Dielsâ€“Alder crossâ€“linking `clickÂ´ reaction as potential carriers for drug administration. Carbohydrate Polymers, 2018, 183, 278-286.	5.1	66
26	Starch/graphene hydrogels via click chemistry with relevant electrical and antibacterial properties. Carbohydrate Polymers, 2018, 202, 372-381.	5.1	54
27	Modification of Pea Starch and Dextrin Polymers with Isocyanate Functional Groups. Polymers, 2018, 10, 939.	2.0	33
28	Application of cider by-products for medium chain length polyhydroxyalkanoate production by Pseudomonas putida KT2440. European Polymer Journal, 2018, 108, 1-9.	2.6	26
29	<scp>D</scp>â€isosorbide and 1,3â€propanediol as plasticizers for starchâ€based films: Characterization and aging study. Journal of Applied Polymer Science, 2017, 134, .	1.3	26
30	Synthesis and characterization of a biocompatible chitosanâ€“based hydrogel crossâ€“linked via â€˜clickâ€™ chemistry for controlled drug release. International Journal of Biological Macromolecules, 2017, 102, 1-9.	3.6	80
31	By-products of the cider production: an alternative source of nutrients to produce bacterial cellulose. Cellulose, 2017, 24, 2071-2082.	2.4	38
32	Innovative Systems from Clickable Biopolymer-Based Hydrogels for Drug Delivery. , 2017, , 117-133.		1
33	Biodegradable composites with improved barrier properties and transparency from the impregnation of PLA to bacterial cellulose membranes. Journal of Applied Polymer Science, 2016, 133, .	1.3	27
34	Improved Permeability Properties for Bacterial Cellulose/Montmorillonite Hybrid Bionanocomposite Membranes by In-Situ Assembling. Journal of Renewable Materials, 2016, 4, 57-65.	1.1	14
35	Shape-memory properties of crosslinked biobased polyurethanes. European Polymer Journal, 2016, 78, 253-263.	2.6	50
36	Click Crosslinked Chitosan/Gold Nanocomposite Hydrogels. Macromolecular Materials and Engineering, 2016, 301, 1295-1300.	1.7	22

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37	Synthesis and Characterization of Polyurethanes with High Renewable Carbon Content and Tailored Properties. ACS Sustainable Chemistry and Engineering, 2016, 4, 5684-5692.	3.2	50
38	Maleimide-grafted cellulose nanocrystals as cross-linkers for bionanocomposite hydrogels. Carbohydrate Polymers, 2016, 149, 94-101.	5.1	60
39	Click gelatin hydrogels: Characterization and drug release behaviour. Materials Letters, 2016, 182, 134-137.	1.3	33
40	Two different incorporation routes of cellulose nanocrystals in waterborne polyurethane nanocomposites. European Polymer Journal, 2016, 76, 99-109.	2.6	49
41	Designing hydrogel nanocomposites using TiO_2 as clickable cross-linkers. Journal of Materials Science, 2016, 51, 5073-5081.	1.7	13
42	Green chemistry for the cross-linking of photo-sensitive furan modified gelatin. Materials Letters, 2015, 160, 142-145.	1.3	15
43	Biocompatible Hydrogel Nanocomposite with Covalently Embedded Silver Nanoparticles. Biomacromolecules, 2015, 16, 1301-1310.	2.6	109
44	Effect of maleimide-functionalized gold nanoparticles on hybrid biohydrogels properties. RSC Advances, 2015, 5, 50268-50277.	1.7	19
45	Hydrogel synthesis by aqueous Dielsâ€Alder reaction between furan modified methacrylate and polyetheramineâ€based bismaleimides. Journal of Polymer Science Part A, 2015, 53, 699-708.	2.5	27
46	Pineapple agroindustrial residues for the production of high value bacterial cellulose with different morphologies. Journal of Applied Polymer Science, 2015, 132, .	1.3	64
47	Starch and cellulose nanocrystals together into thermoplastic starch bionanocomposites. Carbohydrate Polymers, 2015, 117, 83-90.	5.1	117
48	Dielsâ€"Alder â€œclickâ€•chemistry for the cross-linking of furfuryl-gelatin-polyetheramine hydrogels. RSC Advances, 2014, 4, 35578.	1.7	71
49	Green chemistry for the synthesis of methacrylate-based hydrogels crosslinked through Dielsâ€"Alder reaction. European Polymer Journal, 2013, 49, 3998-4007.	2.6	51
50	Property tailoring of phenolâ€"formaldehyde matrices by control of reactant molar ratio and thermoplastic modification. Polymer International, 2011, 60, 851-858.	1.6	0
51	Bacterial cellulose films with controlled microstructureâ€"mechanical property relationships. Cellulose, 2010, 17, 661-669.	2.4	132
52	Mechanical and thermal properties of soy protein films processed by casting and compression. Journal of Food Engineering, 2010, 100, 145-151.	2.7	165
53	Isoconversional kinetic analysis of resol-clay nanocomposites. Journal of Thermal Analysis and Calorimetry, 2009, 96, 567-573.	2.0	10
54	Thermoplastic polyurethane elastomers based on polycarbonate diols with different soft segment molecular weight and chemical structure: Mechanical and thermal properties. Polymer Engineering and Science, 2008, 48, 297-306.	1.5	238

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55	Curing characteristics of resol-layered silicate nanocomposites. Thermochimica Acta, 2008, 467, 73-79.	1.2	17
56	Synthesis and characterization of resolâ€layered silicate nanocomposites. Journal of Applied Polymer Science, 2007, 106, 2800-2807.	1.3	18
57	Curing kinetics of amine and sodium hydroxide catalyzed phenol-formaldehyde resins. Journal of Thermal Analysis and Calorimetry, 2007, 90, 229-236.	2.0	44
58	Toward microphase separation in epoxy systems containing PEOâ€"PPOâ€"PEO block copolymers by controlling cure conditions and molar ratios between blocks. Colloid and Polymer Science, 2006, 284, 1403-1410.	1.0	27
59	Synthesis and characterization of phenolic novolacs modified by chestnut and mimosa tannin extracts. Journal of Applied Polymer Science, 2006, 100, 4412-4419.	1.3	37
60	Polymerization of resole resins with several formaldehyde/phenol molar ratios: Amine catalysts against sodium hydroxide catalysts. Journal of Applied Polymer Science, 2006, 102, 2623-2631.	1.3	28
61	Rheokinetic and Dynamic Mechanical Analysis of Tetrafunctional Epoxy/anhydride Mixtures. Influence of Stoichiometry and Cure Conditions. High Performance Polymers, 2006, 18, 17-30.	0.8	3
62	Micro- or nanoseparated phases in thermoset blends of an epoxy resin and PEOâ€"PPOâ€"PEO triblock copolymer. Polymer, 2005, 46, 7082-7093.	1.8	104
63	Influence of molecular weight and chemical structure of soft segment in reaction kinetics of polycarbonate diols with 4,4â€²-diphenylmethane diisocyanate. European Polymer Journal, 2005, 41, 3051-3059.	2.6	43
64	Evaluation of fiber surface treatment and toughening of thermoset matrix on the interfacial behaviour of carbon fiber-reinforced cyanate matrix composites. Composites Science and Technology, 2005, 65, 2189-2197.	3.8	39
65	Cure kinetics of epoxy systems modified with block copolymers. Polymer International, 2004, 53, 1495-1502.	1.6	39
66	Curing of an epoxy resin modified with poly(methylmethacrylate) monitored by simultaneous dielectric/near infrared spectroscopies. European Polymer Journal, 2004, 40, 129-136.	2.6	43
67	Morphological Characterization and Mechanical Behavior of Poly(styrene-co-acrylonitrile)-modified Epoxy Matrices. High Performance Polymers, 2004, 16, 557-568.	0.8	2
68	Polymerization of Formaldehyde and Phenol at Different Pressures. High Performance Polymers, 2002, 14, 415-423.	0.8	8