

Carmen Gonzalez Henriquez

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

775
citations

933447

10
h-index

526287

27
g-index

30
all docs

30
docs citations

30
times ranked

1046
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymers for additive manufacturing and 4D-printing: Materials, methodologies, and biomedical applications. <i>Progress in Polymer Science</i> , 2019, 94, 57-116.	24.7	364
2	Advances in the Fabrication of Antimicrobial Hydrogels for Biomedical Applications. <i>Materials</i> , 2017, 10, 232.	2.9	62
3	Antimicrobial Polymers for Additive Manufacturing. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1210.	4.1	53
4	Smart pH-Responsive Antimicrobial Hydrogel Scaffolds Prepared by Additive Manufacturing. <i>ACS Applied Bio Materials</i> , 2018, 1, 1337-1347.	4.6	44
5	Strategies to Fabricate Polypeptide-Based Structures via Ring-Opening Polymerization of N-Carboxyanhydrides. <i>Polymers</i> , 2017, 9, 551.	4.5	36
6	Silylated oligomeric poly(ether-azomethine)s from monomers containing biphenyl moieties: synthesis and characterization. <i>RSC Advances</i> , 2018, 8, 1296-1312.	3.6	21
7	Design and fabrication of biocompatible wrinkled hydrogel films with selective antibiofouling properties. <i>Materials Science and Engineering C</i> , 2019, 97, 803-812.	7.3	19
8	Micro-wrinkled hydrogel patterned surfaces using pH-sensitive monomers. <i>Applied Surface Science</i> , 2018, 457, 902-913.	6.1	18
9	Fabrication of micro and sub-micrometer wrinkled hydrogel surfaces through thermal and photocrosslinking processes. <i>Polymer</i> , 2016, 101, 24-33.	3.8	17
10	Innovation in Additive Manufacturing Using Polymers: A Survey on the Technological and Material Developments. <i>Polymers</i> , 2022, 14, 1351.	4.5	16
11	Silylene-containing oligo(ether-amide)s based on bis(4-(4-amino phenoxy)phenyl)dimethylsilane. Effect of the dicarboxylic acid structure on some properties. <i>RSC Advances</i> , 2015, 5, 28515-28526.	3.6	9
12	Microwrinkled pH-sensitive hydrogel films and their role on the cell adhesion/proliferation. <i>Materials Science and Engineering C</i> , 2019, 103, 109872.	7.3	9
13	Micrometric Wrinkled Patterns Spontaneously Formed on Hydrogel Thin Films via Argon Plasma Exposure. <i>Molecules</i> , 2019, 24, 751.	3.8	9
14	Biocompatible fluorinated wrinkled hydrogel films with antimicrobial activity. <i>Materials Science and Engineering C</i> , 2020, 114, 111031.	7.3	9
15	Theoretical and Experimental Vibrational Spectroscopic Investigation of Two R1R2-Diphenylsilyl-Containing Monomers and Their Optically Active Derivative Polymer. <i>Journal of Physical Chemistry A</i> , 2014, 118, 1175-1184.	2.5	8
16	Thermal Response Analysis of Phospholipid Bilayers Using Ellipsometric Techniques. <i>Biosensors</i> , 2017, 7, 34.	4.7	8
17	Formation of responsive hierarchical wrinkled patterns on hydrogel films via multi-step methodology. <i>Polymer</i> , 2019, 179, 121662.	3.8	8
18	Innovative procedure for precise deposition of wrinkled hydrogel films using direct inkjet printing. <i>Materials and Design</i> , 2020, 194, 108959.	7.0	8

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19	Thin and ordered hydrogel films deposited through electrospinning technique; a simple and efficient support for organic bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 2126-2137.	2.6	7
20	Synthesis and characterization of aromatic poly(ether-imide)s based on bis(4-(3,4-dicarboxyphenoxy)phenyl)-R,R-silane anhydrides (R = Me, Ph) " spontaneous formation of surface micropores from THF solutions. <i>RSC Advances</i> , 2016, 6, 49335-49347.	3.6	7
21	Poly(ether-imide-amide)s obtained from bis[4-(4-aminophenoxy)phenyl] diphenylsilane and dicarboxylic acids derivatives of bis(3,4-dicarboxyphenyl)dimethylsilane anhydride combined with l-aminoacids. <i>Polymer Bulletin</i> , 2016, 73, 1103-1117.	3.3	6
22	Wrinkling on Stimuli-Responsive Functional Polymer Surfaces as a Promising Strategy for the Preparation of Effective Antibacterial/Antibiofouling Surfaces. <i>Polymers</i> , 2021, 13, 4262.	4.5	6
23	Thiophene- and silylene-containing polyesters. Resonance effect on conductivity after polarization in an external electric field. <i>Polymer International</i> , 2012, 61, 810-817.	3.1	5
24	New cardo silylated poly(azomethine)s containing 9,9-diphenylfluorene units as materials with Brønsted acid-dependent fluorescence. <i>Polymer International</i> , 2020, 69, 239-247.	3.1	5
25	Thermoresponsive microwrinkled hydrogel surfaces with modulated chemical composition. <i>Polymer</i> , 2021, 231, 124109.	3.8	5
26	Light sensitive antiferroelectric achiral copolymers. <i>Journal of Materials Chemistry</i> , 2012, 22, 3340.	6.7	4
27	Synthesis and thermal, optical and morphological characterization of oligomeric polyamides based on thiophene and alkyl/phenylsilane moieties. Study of the electrospun deposition process. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	4
28	Structure correlation of silylated dicarboxylic acid monomer and its respective oligomeric polyamide-imide using experimental and theoretical vibrational spectra. <i>Spectroscopy Letters</i> , 2017, 50, 30-38.	1.0	4
29	Flexible oligomeric silicon-containing poly(etherazomethine)s obtained from epoxide derivatives. Synthesis and characterization. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48055.	2.6	4
30	A simple method to generate spontaneous chemisorption of metallic particles mediated by carboxylate groups from silylated oligomeric poly(amideimide)s. <i>Polymer International</i> , 2017, 66, 851-860.	3.1	0