

Juan Domínguez-Robles

List of Publications by Year in descending order

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57
papers

3,038
citations

126708

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161609

54
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57
all docs

57
docs citations

57
times ranked

2923
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification, material types, and design approaches of long-acting and implantable drug delivery systems. , 2022, , 17-59.		3
2	Elucidating the Impact of Surfactants on the Performance of Dissolving Microneedle Array Patches. Molecular Pharmaceutics, 2022, 19, 1191-1208.	2.3	24
3	Design and Development of Levodopa Loaded Polymeric Nanoparticles for Intranasal Delivery. Pharmaceutics, 2022, 15, 370.	1.7	13
4	A New and Sensitive HPLC-UV Method for Rapid and Simultaneous Quantification of Curcumin and D-Panthenol: Application to In Vitro Release Studies of Wound Dressings. Molecules, 2022, 27, 1759.	1.7	9
5	3D-printed implantable devices with biodegradable rate-controlling membrane for sustained delivery of hydrophobic drugs. Drug Delivery, 2022, 29, 1038-1048.	2.5	25
6	Inclusion Complexes of Rifampicin with Native and Derivatized Cyclodextrins: In Silico Modeling, Formulation, and Characterization. Pharmaceutics, 2022, 15, 20.	1.7	10
7	TPU-based antiplatelet cardiovascular prostheses prepared using fused deposition modelling. Materials and Design, 2022, 220, 110837.	3.3	25
8	Wearable hollow microneedle sensing patches for the transdermal electrochemical monitoring of glucose. Talanta, 2022, 249, 123695.	2.9	50
9	3D-printed reservoir-type implants containing poly(lactic acid)/poly(caprolactone) porous membranes for sustained drug delivery. , 2022, 139, 213024.		20
10	Enhancing intradermal delivery of tofacitinib citrate: Comparison between powder-loaded hollow microneedle arrays and dissolving microneedle arrays. International Journal of Pharmaceutics, 2021, 593, 120152.	2.6	48
11	Versatility of hydrogel-forming microneedles in in vitro transdermal delivery of tuberculosis drugs. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 158, 294-312.	2.0	72
12	3D printed estradiol-eluting urogynecological mesh implants: Influence of material and mesh geometry on their mechanical properties. International Journal of Pharmaceutics, 2021, 593, 120145.	2.6	42
13	Development and validation of a high-performance liquid chromatography method for levothyroxine sodium quantification in plasma for pre-clinical evaluation of long-acting drug delivery systems. Analytical Methods, 2021, 13, 5204-5210.	1.3	6
14	Fabrication of lignin-based hydrogels and their applications. , 2021, , 371-394.		1
15	Fused deposition modelling for the development of drug loaded cardiovascular prosthesis. International Journal of Pharmaceutics, 2021, 595, 120243.	2.6	47
16	Hollow microneedles: A perspective in biomedical applications. International Journal of Pharmaceutics, 2021, 599, 120455.	2.6	108
17	The role of microneedle arrays in drug delivery and patient monitoring to prevent diabetes induced fibrosis. Advanced Drug Delivery Reviews, 2021, 175, 113825.	6.6	36
18	Hydrogel-forming microneedles for rapid and efficient skin deposition of controlled release tip-implants. Materials Science and Engineering C, 2021, 127, 112226.	3.8	45

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19	Use of 3D Printing for the Development of Biodegradable Antiplatelet Materials for Cardiovascular Applications. <i>Pharmaceuticals</i> , 2021, 14, 921.	1.7	25
20	Poly(caprolactone)-based subcutaneous implant for sustained delivery of levothyroxine. <i>International Journal of Pharmaceutics</i> , 2021, 607, 121011.	2.6	24
21	HPLC method for levothyroxine quantification in long-acting drug delivery systems. Validation and evaluation of bovine serum albumin as levothyroxine stabilizer. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 203, 114182.	1.4	11
22	Development of drug loaded cardiovascular prosthesis for thrombosis prevention using 3D printing. <i>Materials Science and Engineering C</i> , 2021, 129, 112375.	3.8	37
23	Dissolving microneedle patches loaded with amphotericin B microparticles for localised and sustained intradermal delivery: Potential for enhanced treatment of cutaneous fungal infections. <i>Journal of Controlled Release</i> , 2021, 339, 361-380.	4.8	52
24	Development of high-performance binderless fiberboards from wheat straw residue. <i>Construction and Building Materials</i> , 2020, 232, 117247.	3.2	24
25	Coagulationâ€“Flocculation as an Alternative Way to Reduce the Toxicity of the Black Liquor from the Paper Industry: Thermal Valorization of the Solid Biomass Recovered. <i>Waste and Biomass Valorization</i> , 2020, 11, 4731-4742.	1.8	12
26	Lignin/poly(butylene succinate) composites with antioxidant and antibacterial properties for potential biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2020, 145, 92-99.	3.6	116
27	Cellulose Nanofibers and Other Biopolymers for Biomedical Applications. A Review. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 65.	1.3	108
28	Lignin for pharmaceutical and biomedical applications â€“ Could this become a reality?. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 18, 100320.	1.6	37
29	Poly(caprolactone)-Based Coatings on 3D-Printed Biodegradable Implants: A Novel Strategy to Prolong Delivery of Hydrophilic Drugs. <i>Molecular Pharmaceutics</i> , 2020, 17, 3487-3500.	2.3	60
30	Industrial application of orange tree nanocellulose as papermaking reinforcement agent. <i>Cellulose</i> , 2020, 27, 10781-10797.	2.4	19
31	Plasmonic photothermal microneedle arrays and single needles for minimally-invasive deep in-skin hyperthermia. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5425-5433.	2.9	12
32	Urogynecological surgical mesh implants: New trends in materials, manufacturing and therapeutic approaches. <i>International Journal of Pharmaceutics</i> , 2020, 585, 119512.	2.6	25
33	Potential of Polymeric Films Loaded with Gold Nanorods for Local Hyperthermia Applications. <i>Nanomaterials</i> , 2020, 10, 582.	1.9	13
34	Development and characterisation of novel poly (vinyl alcohol)/poly (vinyl pyrrolidone)-based hydrogel-forming microneedle arrays for enhanced and sustained transdermal delivery of methotrexate. <i>International Journal of Pharmaceutics</i> , 2020, 586, 119580.	2.6	101
35	Development of a Biodegradable Subcutaneous Implant for Prolonged Drug Delivery Using 3D Printing. <i>Pharmaceutics</i> , 2020, 12, 105.	2.0	109
36	3D Printing of Drug-Loaded Thermoplastic Polyurethane Meshes: A Potential Material for Soft Tissue Reinforcement in Vaginal Surgery. <i>Pharmaceutics</i> , 2020, 12, 63.	2.0	92

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37	Additive Manufacturing Can Assist in the Fight Against COVID-19 and Other Pandemics and Impact on the Global Supply Chain. <i>3D Printing and Additive Manufacturing</i> , 2020, 7, 100-103.	1.4	88
38	EVALUATION OF THE POTENTIAL OF ALTERNATIVE VEGETABLE MATERIALS FOR PRODUCTION OF PAPER THROUGH KRAFT PROCESSES. <i>Cellulose Chemistry and Technology</i> , 2020, 54, 73-81.	0.5	2
39	Fused Deposition Modelling as a Potential Tool for Antimicrobial Dialysis Catheters Manufacturing: New Trends vs. Conventional Approaches. <i>Coatings</i> , 2019, 9, 515.	1.2	31
40	Lignin and Cellulose Blends as Pharmaceutical Excipient for Tablet Manufacturing via Direct Compression. <i>Biomolecules</i> , 2019, 9, 423.	1.8	39
41	Fused Deposition Modeling as an Effective Tool for Anti-Infective Dialysis Catheter Fabrication. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 6300-6310.	2.6	60
42	Antioxidant PLA Composites Containing Lignin for 3D Printing Applications: A Potential Material for Healthcare Applications. <i>Pharmaceutics</i> , 2019, 11, 165.	2.0	186
43	Poly(methyl vinyl ether-co-maleic acid) Hydrogels Containing Cyclodextrins and Tween 85 for Potential Application as Hydrophobic Drug Delivery Systems. <i>Macromolecular Research</i> , 2019, 27, 396-403.	1.0	14
44	Lignin-based hydrogels with "super-swelling" capacities for dye removal. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 1249-1259.	3.6	99
45	Recycled fibers for fluting production: The role of lignocellulosic micro/nanofibers of banana leaves. <i>Journal of Cleaner Production</i> , 2018, 172, 233-238.	4.6	17
46	Aqueous acetone fractionation of kraft, organosolv and soda lignins. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 979-987.	3.6	150
47	Approaching a new generation of fiberboards taking advantage of self lignin as green adhesive. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 927-935.	3.6	56
48	Implantable Polymeric Drug Delivery Devices: Classification, Manufacture, Materials, and Clinical Applications. <i>Polymers</i> , 2018, 10, 1379.	2.0	242
49	Synthesis and Characterization of Lignin Hydrogels for Potential Applications as Drug Eluting Antimicrobial Coatings for Medical Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9037-9046.	3.2	161
50	The suitability of banana leaf residue as raw material for the production of high lignin content micro/nano fibers: From residue to value-added products. <i>Industrial Crops and Products</i> , 2017, 99, 27-33.	2.5	48
51	The effect of pre-treatment on the production of lignocellulosic nanofibers and their application as a reinforcing agent in paper. <i>Cellulose</i> , 2017, 24, 2605-2618.	2.4	39
52	A comparative study of the suitability of different cereal straws for lignocellulose nanofibers isolation. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 990-999.	3.6	76
53	Rapidly growing vegetables as new sources for lignocellulose nanofibre isolation: Physicochemical, thermal and rheological characterisation. <i>Carbohydrate Polymers</i> , 2017, 175, 27-37.	5.1	36
54	Isolation and characterization of lignins from wheat straw: Application as binder in lithium batteries. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 909-918.	3.6	59

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55	Isolation and Characterization of Gramineae and Fabaceae Soda Lignins. International Journal of Molecular Sciences, 2017, 18, 327.	1.8	48
56	Biorefinery Process Combining Specel® Process and Selective Lignin Precipitation using Mineral Acids. BioResources, 2016, 11, .	0.5	40
57	Isolation and characterization of lignocellulose nanofibers from different wheat straw pulps. International Journal of Biological Macromolecules, 2016, 92, 1025-1033.	3.6	86