

Eneko Larraeta

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93
papers

4,075
citations

38
h-index

62
g-index

103
ext. papers

5,324
ext. citations

6.6
avg. IF

6.17
L-index

#	Paper	IF	Citations
93	Immune Response after Skin Delivery of a Recombinant Heat-Labile Enterotoxin B Subunit of Enterotoxigenic in Mice.. <i>Pharmaceutics</i> , 2022 , 14,	6.4	1
92	Overview of the clinical current needs and potential applications for long-acting and implantable delivery systems 2022 , 1-16		0
91	Implantable and long-lasting drug delivery systems for infectious, inflammatory, endocrine, and neurodegenerative diseases 2022 , 223-248		
90	Classification, material types, and design approaches of long-acting and implantable drug delivery systems 2022 , 17-59		1
89	The Role of 3D Printing Technology in Microengineering of Microneedles.. <i>Small</i> , 2022 , e2106392	11	2
88	3D-printed implantable devices with biodegradable rate-controlling membrane for sustained delivery of hydrophobic drugs.. <i>Drug Delivery</i> , 2022 , 29, 1038-1048	7	0
87	Super-swelling hydrogel-forming microneedle based transdermal drug delivery: Mathematical modelling, simulation and experimental validation. <i>International Journal of Pharmaceutics</i> , 2022 , 622, 121835	6.5	2
86	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	11.7	12
85	Enhancing intradermal delivery of tofacitinib citrate: Comparison between powder-loaded hollow microneedle arrays and dissolving microneedle arrays. <i>International Journal of Pharmaceutics</i> , 2021 , 593, 120152	6.5	12
84	Versatility of hydrogel-forming microneedles in in vitro transdermal delivery of tuberculosis drugs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021 , 158, 294-312	5.7	21
83	3D printed estradiol-eluting urogynecological mesh implants: Influence of material and mesh geometry on their mechanical properties. <i>International Journal of Pharmaceutics</i> , 2021 , 593, 120145	6.5	18
82	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. <i>Analytical Methods</i> , 2021 , 13, 5204-5210	3.2	2
81	Fabrication of lignin-based hydrogels and their applications 2021 , 371-394		1
80	Recent advances in combination of microneedles and nanomedicines for lymphatic targeted drug delivery. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021 , 13, e1690	9.2	11
79	Antimicrobial 3D Printed Objects in the Fight Against Pandemics. <i>3D Printing and Additive Manufacturing</i> , 2021 , 8, 79-86	4	5
78	Fused deposition modelling for the development of drug loaded cardiovascular prosthesis. <i>International Journal of Pharmaceutics</i> , 2021 , 595, 120243	6.5	21
77	Designing a unique feedback mechanism for hydrogel-forming microneedle array patches: a concept study. <i>Drug Delivery and Translational Research</i> , 2021 , 1	6.2	

76	The role of microneedle arrays in drug delivery and patient monitoring to prevent diabetes induced fibrosis. <i>Advanced Drug Delivery Reviews</i> , 2021 , 175, 113825	18.5	15
75	Hydrogel-forming microneedles for rapid and efficient skin deposition of controlled release tip-implants. <i>Materials Science and Engineering C</i> , 2021 , 127, 112226	8.3	13
74	Use of 3D Printing for the Development of Biodegradable Antiplatelet Materials for Cardiovascular Applications. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	4
73	Poly(caprolactone)-based subcutaneous implant for sustained delivery of levothyroxine. <i>International Journal of Pharmaceutics</i> , 2021 , 607, 121011	6.5	5
72	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	3.5	3
71	Development of drug loaded cardiovascular prosthesis for thrombosis prevention using 3D printing. <i>Materials Science and Engineering C</i> , 2021 , 129, 112375	8.3	8
70	Coated polymeric needles for rapid and deep intradermal delivery. <i>International Journal of Pharmaceutics: X</i> , 2020 , 2, 100048	3.2	4
69	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	7.3	7
68	Urogynecological surgical mesh implants: New trends in materials, manufacturing and therapeutic approaches. <i>International Journal of Pharmaceutics</i> , 2020 , 585, 119512	6.5	11
67	Potential of Polymeric Films Loaded with Gold Nanorods for Local Hyperthermia Applications. <i>Nanomaterials</i> , 2020 , 10,	5.4	8
66	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	6.5	42
65	Development of a Biodegradable Subcutaneous Implant for Prolonged Drug Delivery Using 3D Printing. <i>Pharmaceutics</i> , 2020 , 12,	6.4	59
64	Evaluation of the clinical impact of repeat application of hydrogel-forming microneedle array patches. <i>Drug Delivery and Translational Research</i> , 2020 , 10, 690-705	6.2	37
63	A Novel Transdermal Protein Delivery Strategy via Electrohydrodynamic Coating of PLGA Microparticles onto Microneedles. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 12478-12488	9.5	25
62	3D Printing of Drug-Loaded Thermoplastic Polyurethane Meshes: A Potential Material for Soft Tissue Reinforcement in Vaginal Surgery. <i>Pharmaceutics</i> , 2020 , 12,	6.4	48
61	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	4	42
60	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	7.9	59
59	Pullulan-based dissolving microneedle arrays for enhanced transdermal delivery of small and large biomolecules. <i>International Journal of Biological Macromolecules</i> , 2020 , 146, 290-298	7.9	59

58	Cellulose Nanofibers and Other Biopolymers for Biomedical Applications. A Review. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 65	2.6	57
57	Lignin for pharmaceutical and biomedical applications [Could this become a reality?]. <i>Sustainable Chemistry and Pharmacy</i> , 2020 , 18, 100320	3.9	14
56	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	5.6	26
55	Influence of molecular weight on transdermal delivery of model macromolecules using hydrogel-forming microneedles: potential to enhance the administration of novel low molecular weight biotherapeutics. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 4202-4209	7.3	11
54	Understanding the basis of transcutaneous vaccine delivery. <i>Therapeutic Delivery</i> , 2019 , 10, 63-80	3.8	8
53	Lignin and Cellulose Blends as Pharmaceutical Excipient for Tablet Manufacturing via Direct Compression. <i>Biomolecules</i> , 2019 , 9,	5.9	24
52	Casein nanoparticles in combination with 2-hydroxypropyl- β -cyclodextrin improves the oral bioavailability of quercetin. <i>International Journal of Pharmaceutics</i> , 2019 , 570, 118652	6.5	33
51	Fused Deposition Modeling as an Effective Tool for Anti-Infective Dialysis Catheter Fabrication. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 6300-6310	5.5	33
50	Status and future scope of plant-based green hydrogels in biomedical engineering. <i>Applied Materials Today</i> , 2019 , 16, 213-246	6.6	100
49	Design, Formulation, and Evaluation of Novel Dissolving Microarray Patches Containing Rilpivirine for Intravaginal Delivery. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801510	10.1	21
48	Slowly dissolving intradermal microneedles. <i>Nature Biomedical Engineering</i> , 2019 , 3, 169-170	19	13
47	Antioxidant PLA Composites Containing Lignin for 3D Printing Applications: A Potential Material for Healthcare Applications. <i>Pharmaceutics</i> , 2019 , 11,	6.4	98
46	Nanosuspension-Based Dissolving Microneedle Arrays for Intradermal Delivery of Curcumin. <i>Pharmaceutics</i> , 2019 , 11,	6.4	49
45	Modelling the intradermal delivery of microneedle array patches for long-acting antiretrovirals using PBPK. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 144, 101-109	5.7	18
44	Fused Deposition Modelling as a Potential Tool for Antimicrobial Dialysis Catheters Manufacturing: New Trends vs. Conventional Approaches. <i>Coatings</i> , 2019 , 9, 515	2.9	22
43	Nanoparticles from Gantrez [®] AN-poly(ethylene glycol) conjugates as carriers for oral delivery of docetaxel. <i>International Journal of Pharmaceutics</i> , 2019 , 571, 118699	6.5	13
42	Dissolving Microneedles for Intradermal Vaccination against Shigellosis. <i>Vaccines</i> , 2019 , 7,	5.3	8
41	Design and Development of Liquid Drug Reservoirs for Microneedle Delivery of Poorly Soluble Drug Molecules. <i>Pharmaceutics</i> , 2019 , 11,	6.4	19

40	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 ¹⁹		12
39	Lignin-based hydrogels with "super-swelling" capacities for dye removal. <i>International Journal of Biological Macromolecules</i> , 2018 , 115, 1249-1259	7.9	69
38	Transdermal delivery of vitamin K using dissolving microneedles for the prevention of vitamin K deficiency bleeding. <i>International Journal of Pharmaceutics</i> , 2018 , 541, 56-63	6.5	47
37	Hydrogels based on poly(methyl vinyl ether-co-maleic acid) and Tween 85 for sustained delivery of hydrophobic drugs. <i>International Journal of Pharmaceutics</i> , 2018 , 538, 147-158	6.5	31
36	Pegylated poly(anhydride) nanoparticles for oral delivery of docetaxel. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 118, 165-175	5.1	12
35	Nanotechnologies for tissue engineering and regeneration 2018 , 93-206		11
34	Microarray patches: potentially useful delivery systems for long-acting nanosuspensions. <i>Drug Discovery Today</i> , 2018 , 23, 1026-1033	8.8	50
33	Design and characterisation of a dissolving microneedle patch for intradermal vaccination with heat-inactivated bacteria: A proof of concept study. <i>International Journal of Pharmaceutics</i> , 2018 , 549, 87-95	6.5	25
32	Hydrogels for Hydrophobic Drug Delivery. Classification, Synthesis and Applications. <i>Journal of Functional Biomaterials</i> , 2018 , 9,	4.8	103
31	Incorporating Stories of Sedatives, Spoiled Sweet Clover Hay, and Plants from the Amazon Rainforest into a Pharmaceutical Chemistry Course To Engage Students and Introduce Drug Design Strategies. <i>Journal of Chemical Education</i> , 2018 , 95, 1778-1786	2.4	5
30	Synthesis and characterization of hyaluronic acid hydrogels crosslinked using a solvent-free process for potential biomedical applications. <i>Carbohydrate Polymers</i> , 2018 , 181, 1194-1205	10.3	143
29	Implantable Polymeric Drug Delivery Devices: Classification, Manufacture, Materials, and Clinical Applications. <i>Polymers</i> , 2018 , 10,	4.5	135
28	Increased Oral Bioavailability of Resveratrol by Its Encapsulation in Casein Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	82
27	Design, formulation and evaluation of novel dissolving microarray patches containing a long-acting rilpivirine nanosuspension. <i>Journal of Controlled Release</i> , 2018 , 292, 119-129	11.7	66
26	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 ⁸³	8.3	98
25	Microneedle Manufacturing and Testing 2018 , 21-70		
24	Delivery of Nanomedicines Using Microneedles 2018 , 177-205		2
23	Novel nanosuspension-based dissolving microneedle arrays for transdermal delivery of a hydrophobic drug. <i>Journal of Interdisciplinary Nanomedicine</i> , 2018 , 3, 89-101	4	49

22	Successful application of large microneedle patches by human volunteers. <i>International Journal of Pharmaceutics</i> , 2017 , 521, 92-101	6.5	105
21	In vivo studies investigating biodistribution of nanoparticle-encapsulated rhodamine B delivered via dissolving microneedles. <i>Journal of Controlled Release</i> , 2017 , 265, 57-65	11.7	53
20	Repeat application of microneedles does not alter skin appearance or barrier function and causes no measurable disturbance of serum biomarkers of infection, inflammation or immunity in mice in vivo. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 117, 400-407	5.7	57
19	Novel bilayer dissolving microneedle arrays with concentrated PLGA nano-microparticles for targeted intradermal delivery: Proof of concept. <i>Journal of Controlled Release</i> , 2017 , 265, 93-101	11.7	70
18	Bioadhesive Polymers for Drug Delivery 2017 , 559-601		0
17	Transdermal delivery of gentamicin using dissolving microneedle arrays for potential treatment of neonatal sepsis. <i>Journal of Controlled Release</i> , 2017 , 265, 30-40	11.7	97
16	Hydrogel-Forming Microneedle Arrays Made from Light-Responsive Materials for On-Demand Transdermal Drug Delivery. <i>Molecular Pharmaceutics</i> , 2016 , 13, 907-14	5.6	83
15	Microneedles: A New Frontier in Nanomedicine Delivery. <i>Pharmaceutical Research</i> , 2016 , 33, 1055-73	4.5	176
14	A facile system to evaluate in vitro drug release from dissolving microneedle arrays. <i>International Journal of Pharmaceutics</i> , 2016 , 497, 62-9	6.5	45
13	Microneedle arrays as transdermal and intradermal drug delivery systems: Materials science, manufacture and commercial development. <i>Materials Science and Engineering Reports</i> , 2016 , 104, 1-32	30.9	379
12	A novel scalable manufacturing process for the production of hydrogel-forming microneedle arrays. <i>International Journal of Pharmaceutics</i> , 2015 , 494, 417-29	6.5	60
11	Microwave-Assisted Preparation of Hydrogel-Forming Microneedle Arrays for Transdermal Drug Delivery Applications. <i>Macromolecular Materials and Engineering</i> , 2015 , 300, 586-595	3.9	58
10	Zein-Based Nanoparticles Improve the Oral Bioavailability of Resveratrol and Its Anti-inflammatory Effects in a Mouse Model of Endotoxic Shock. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 5603-11	5.7	120
9	Microneedle characterisation: the need for universal acceptance criteria and GMP specifications when moving towards commercialisation. <i>Drug Delivery and Translational Research</i> , 2015 , 5, 313-31	6.2	65
8	Thermosensitive hydrogels of poly(methyl vinyl ether-co-maleic anhydride) - Pluronic(®) F127 copolymers for controlled protein release. <i>International Journal of Pharmaceutics</i> , 2014 , 459, 1-9	6.5	65
7	Non-covalent hydrogels of cyclodextrins and poloxamines for the controlled release of proteins. <i>Carbohydrate Polymers</i> , 2014 , 102, 674-81	10.3	38
6	A proposed model membrane and test method for microneedle insertion studies. <i>International Journal of Pharmaceutics</i> , 2014 , 472, 65-73	6.5	188
5	Release of β -galactosidase from poloxamine/ β -cyclodextrin hydrogels. <i>Beilstein Journal of Organic Chemistry</i> , 2014 , 10, 3127-35	2.5	5

4	Hydrogel-forming microneedles prepared from "super swelling" polymers combined with lyophilised wafers for transdermal drug delivery. <i>PLoS ONE</i> , 2014 , 9, e1111547	3-7	166
3	In Vitro release from reverse poloxamine/ β -cyclodextrin matrices: modelling and comparison of dissolution profiles. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 197-206	3-9	27
2	Phase behavior of reverse poloxamers and poloxamines in water. <i>Langmuir</i> , 2013 , 29, 1045-53	4	40
1	Self-assembled supramolecular gels of reverse poloxamers and cyclodextrins. <i>Langmuir</i> , 2012 , 28, 12457-62	4-6	34