Gorka Orive

List of Publications by Year
in descending order

197 papers	10,457 citations	31976 53 h-index	39675 94 g-index
203 all docs	203 docs citations	203 times ranked	11837 citing authors

#	Article	IF	Citations
1	Cell encapsulation: Promise and progress. Nature Medicine, 2003, 9, 104-107.	30.7	546
2	Biomaterials for promoting brain protection, repair and regeneration. Nature Reviews Neuroscience, 2009, 10, 682-692.	10.2	378
3	History, challenges and perspectives of cell microencapsulation. Trends in Biotechnology, 2004, 22, 87-92.	9.3	333
4	Microcapsules and microcarriers for in situ cell deliveryâ˜†. Advanced Drug Delivery Reviews, 2010, 62, 711-730.	13.7	323
5	Cell microencapsulation technology: Towards clinical application. Journal of Controlled Release, 2008, 132, 76-83.	9.9	314
6	Selfâ€Healing Hydrogels: The Next Paradigm Shift in Tissue Engineering?. Advanced Science, 2019, 6, 1801664.	11.2	314
7	Quantum dots in biomedical applications. Acta Biomaterialia, 2019, 94, 44-63.	8.3	310
8	Biocompatibility of alginateâ€"poly-l-lysine microcapsules for cell therapyâ˜†. Biomaterials, 2006, 27, 3691-3700.	11.4	309
9	Gelatin as Biomaterial for Tissue Engineering. Current Pharmaceutical Design, 2017, 23, 3567-3584.	1.9	275
10	Nanostructured Lipid Carriers for Delivery of Chemotherapeutics: A Review. Pharmaceutics, 2020, 12, 288.	4.5	248
11	Drug delivery in biotechnology: present and future. Current Opinion in Biotechnology, 2003, 14, 659-664.	6.6	198
12	Multiscale requirements for bioencapsulation in medicine and biotechnology. Biomaterials, 2009, 30, 2559-2570.	11.4	198
13	3D Bioprinting in Skeletal Muscle Tissue Engineering. Small, 2019, 15, e1805530.	10.0	192
14	Delivering growth factors for therapeutics. Trends in Pharmacological Sciences, 2008, 29, 37-41.	8.7	180
15	Potential of endogenous regenerative technology for in situ regenerative medicineâ˜†. Advanced Drug Delivery Reviews, 2010, 62, 741-752.	13.7	174
16	Perspectives and challenges in regenerative medicine using plasma rich in growth factors. Journal of Controlled Release, 2012, 157, 29-38.	9.9	172
17	Advances and Future Perspectives in 4D Bioprinting. Biotechnology Journal, 2018, 13, e1800148.	3.5	168
18	Cell encapsulation: technical and clinical advances. Trends in Pharmacological Sciences, 2015, 36, 537-546.	8.7	151

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19	Early SARS-CoV-2 outbreak detection by sewage-based epidemiology. Science of the Total Environment, 2020, 732, 139298.	8.0	130
20	Cell microencapsulation technology for biomedical purposes: novel insights and challenges. Trends in Pharmacological Sciences, 2003, 24, 207-210.	8.7	127
21	Novel advances in the design of three-dimensional bio-scaffolds to control cell fate: translation from 2D to 3D. Trends in Biotechnology, 2012, 30, 331-341.	9.3	121
22	Autologous serum and plasma rich in growth factors in ophthalmology: preclinical and clinical studies. Acta Ophthalmologica, 2015, 93, e605-14.	1.1	120
23	The effect of encapsulated VEGF-secreting cells on brain amyloid load and behavioral impairment in a mouse model of Alzheimerâ€™s disease. Biomaterials, 2010, 31, 5608-5618.	11.4	114
24	Plasma Rich in Growth Factors (PRGF-Endoret) Stimulates Proliferation and Migration of Primary Keratocytes and Conjunctival Fibroblasts and Inhibits and Reverts TGF-Î²1â€“Induced Myodifferentiation. , 2011, 52, 6066.		113
25	Hyaluronic acid-based nanoplatforms for Doxorubicin: A review of stimuli-responsive carriers, co-delivery and resistance suppression. Carbohydrate Polymers, 2021, 272, 118491.	10.2	100
26	Chemistry and the biological response against immunoisolating alginateâ€“polycation capsules of different composition. Biomaterials, 2006, 27, 4831-4839.	11.4	99
27	Bioactive cell-hydrogel microcapsules for cell-based drug delivery. Journal of Controlled Release, 2009, 135, 203-210.	9.9	94
28	Early diagnosis of mild cognitive impairment and Alzheimer's disease based on salivary lactoferrin. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2017, 8, 131-138.	2.4	93
29	Sulfated polysaccharide-based scaffolds for orthopaedic tissue engineering. Biomaterials, 2019, 214, 119214.	11.4	92
30	Plasma Rich in Growth Factors Promotes Bone Tissue Regeneration by Stimulating Proliferation, Migration, and Autocrine Secretion in Primary Human Osteoblasts. Journal of Periodontology, 2013, 84, 1180-1190.	3.4	89
31	Progress of gelatin-based 3D approaches for bone regeneration. Journal of Drug Delivery Science and Technology, 2017, 42, 63-74.	3.0	89
32	Techniques: New approaches to the delivery of biopharmaceuticals. Trends in Pharmacological Sciences, 2004, 25, 382-387.	8.7	87
33	Nanotherapeutic approaches for brain cancer management. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, e905-e919.	3.3	87
34	Advances in understanding the role of P-gp in doxorubicin resistance: Molecular pathways, therapeutic strategies, and prospects. Drug Discovery Today, 2022, 27, 436-455.	6.4	87
35	Recent advances in gelatin-based therapeutics. Expert Opinion on Biological Therapy, 2019, 19, 773-779.	3.1	85
36	Blending Electronics with the Human Body: A Pathway toward a Cybernetic Future. Advanced Science, 2018, 5, 1700931.	11.2	83

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37	Plasma Rich In Growth Factors Promote Gingival Tissue Regeneration by Stimulating Fibroblast Proliferation and Migration and by Blocking Transforming Growth Factorâ€Î²1â€Induced Myodifferentiation. Journal of Periodontology, 2012, 83, 1028-1037.	3.4	78
38	Encapsulated cell therapy for neurodegenerative diseases: From promise to product. Advanced Drug Delivery Reviews, 2014, 67-68, 131-141.	13.7	76
39	Therapeutic cell encapsulation: Ten steps towards clinical translation. Journal of Controlled Release, 2013, 170, 1-14.	9.9	75
40	Biomaterials in Cell Microencapsulation. Advances in Experimental Medicine and Biology, 2010, 670, 5-21.	1.6	73
41	Towards brain-tissue-like biomaterials. Nature Communications, 2020, 11, 3423.	12.8	71
42	The Effect of Plasma Rich in Growth Factors on Pattern Hair Loss: A Pilot Study. Dermatologic Surgery, 2017, 43, 658-670.	0.8	70
43	Multifunctional Antimicrobial Nanofiber Dressings Containing Îµ-Polylysine for the Eradication of Bacterial Bioburden and Promotion of Wound Healing in Critically Colonized Wounds. ACS Applied Materials & Interfaces, 2020, 12, 15989-16005.	8.0	69
44	Long-term survival of encapsulated GDNF secreting cells implanted within the striatum of parkinsonized rats. International Journal of Pharmaceutics, 2007, 343, 69-78.	5.2	64
45	Camptothecin's journey from discovery to WHO Essential Medicine: Fifty years of promise. European Journal of Medicinal Chemistry, 2021, 223, 113639.	5.5	63
46	Progress in Gelatin as Biomaterial for Tissue Engineering. Pharmaceutics, 2022, 14, 1177.	4.5	63
47	Engineering a Clinically Translatable Bioartificial Pancreas to Treat Type I Diabetes. Trends in Biotechnology, 2018, 36, 445-456.	9.3	62
48	Pectin Methacrylate (PEMA) and Gelatin-Based Hydrogels for Cell Delivery: Converting Waste Materials into Biomaterials. ACS Applied Materials & Interfaces, 2019, 11, 12283-12297.	8.0	61
49	Encapsulated cell technology: from research to market. Trends in Biotechnology, 2002, 20, 382-387.	9.3	59
50	In Vitro Characterization and In Vivo Functionality of Erythropoietin-Secreting Cells Immobilized in Alginateâ˜'Poly-<scp>l</scp>-Lysineâ˜'Alginate Microcapsules. Biomacromolecules, 2007, 8, 3302-3307.	5.4	59
51	Cellular acidification as a new approach to cancer treatment and to the understanding and therapeutics of neurodegenerative diseases. Seminars in Cancer Biology, 2017, 43, 157-179.	9.6	59
52	Decreased salivary lactoferrin levels are specific to Alzheimer's disease. EBioMedicine, 2020, 57, 102834.	6.1	59
53	AIE-featured tetraphenylethylene nanoarchitectures in biomedical application: Bioimaging, drug delivery and disease treatment. Coordination Chemistry Reviews, 2021, 447, 214135.	18.8	59
54	Review of Advanced Hydrogel-Based Cell Encapsulation Systems for Insulin Delivery in Type 1 Diabetes Mellitus. Pharmaceutics, 2019, 11, 597.	4.5	56

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55	Plasma Rich in Growth Factors for the Treatment of Ocular Surface Diseases. Current Eye Research, 2016, 41, 875-882.	1.5	54
56	Combinatorial Screening of Nanoclay-Reinforced Hydrogels: A Glimpse of the â€œHoly Grailâ€•in Orthopedic Stem Cell Therapy?. ACS Applied Materials & Interfaces, 2018, 10, 34924-34941.	8.0	54
57	Treatment of patients with neurotrophic keratitis stages 2 and 3 with plasma rich in growth factors (PRGF-Endoret) eye-drops. International Ophthalmology, 2018, 38, 1193-1204.	1.4	53
58	Artificial neural network-based estimation of COVID-19 case numbers and effective reproduction rate using wastewater-based epidemiology. Water Research, 2022, 218, 118451.	11.3	52
59	Xenogeneic transplantation of erythropoietin-secreting cells immobilized in microcapsules using transient immunosuppression. Journal of Controlled Release, 2009, 137, 174-178.	9.9	49
60	Intranasal PRGF-Endoret enhances neuronal survival and attenuates NF-Î°B-dependent inflammation process in a mouse model of Parkinson's disease. Journal of Controlled Release, 2015, 203, 170-180.	9.9	48
61	Advances in the slow freezing cryopreservation of microencapsulated cells. Journal of Controlled Release, 2018, 281, 119-138.	9.9	48
62	Intranasal Delivery of Plasma and Platelet Growth Factors Using PRGF-Endoret System Enhances Neurogenesis in a Mouse Model of Alzheimerâ€™s Disease. PLoS ONE, 2013, 8, e73118.	2.5	47
63	Human-Based Biological and Biomimetic Autologous Therapies for Musculoskeletal Tissue Regeneration. Trends in Biotechnology, 2017, 35, 192-202.	9.3	47
64	Cryopreservation based on freezing protocols for the long-term storage of microencapsulated myoblasts. Biomaterials, 2009, 30, 3495-3501.	11.4	46
65	Enzymatic crosslinked gelatin 3D scaffolds for bone tissue engineering. International Journal of Pharmaceutics, 2019, 562, 151-161.	5.2	46
66	Allogeneic Platelet-Rich Plasma: At the Dawn of an Off-the-Shelf Therapy?. Trends in Biotechnology, 2017, 35, 91-93.	9.3	45
67	Biological Stability of Plasma Rich in Growth Factors Eye Drops After Storage of 3 Months. Cornea, 2013, 32, 1380-1386.	1.7	43
68	Plasma rich in growth factors (PRGF-Endoret) reduces neuropathologic hallmarks and improves cognitive functions in an Alzheimer's disease mouse model. Neurobiology of Aging, 2014, 35, 1582-1595.	3.1	41
69	Doxorubicin-loaded graphene oxide nanocomposites in cancer medicine: stimuli-responsive carriers, co-delivery and suppressing resistance. Expert Opinion on Drug Delivery, 2022, 19, 355-382.	5.0	41
70	Autologous Plasma Rich in Growth Factors Eyedrops in Refractory Cases of Ocular Surface Disorders. Ophthalmic Research, 2016, 55, 53-61.	1.9	40
71	Biphasic Hydrogels Integrating Mineralized and Anisotropic Features for Interfacial Tissue Engineering. ACS Applied Materials & Interfaces, 2019, 11, 47771-47784.	8.0	40
72	Clinical Evaluation of Splitâ€Crest Technique with Ultrasonic Bone Surgery for Narrow Ridge Expansion: Status of Soft and Hard Tissues and Implant Success. Clinical Implant Dentistry and Related Research, 2013, 15, 176-187.	3.7	39

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73	Safety and Efficacy of Autologous Plasma Rich in Growth Factors Eye Drops for the Treatment of Evaporative Dry Eye. Ophthalmic Research, 2016, 56, 68-73.	1.9	39
74	Delivery of immunostimulatory monoclonal antibodies by encapsulated hybridoma cells. Cancer Immunology, Immunotherapy, 2010, 59, 1621-1631.	4.2	38
75	Endogenous regenerative technology using plasma- and platelet-derived growth factors. Journal of Controlled Release, 2012, 157, 317-320.	9.9	38
76	A preliminary approach to the repair of myocardial infarction using adipose tissue-derived stem cells encapsulated in magnetic resonance-labelled alginate microspheres in a porcine model. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 84, 29-39.	4.3	38
77	The Effect of Immunologically Safe Plasma Rich in Growth Factor Eye Drops in Patients with SjÃ¶gren Syndrome. Journal of Ocular Pharmacology and Therapeutics, 2017, 33, 391-399.	1.4	38
78	Platelet-Rich Plasma to Improve the Bio-Functionality of Biomaterials. BioDrugs, 2013, 27, 97-111.	4.6	36
79	The 3D Bioprinted Scaffolds for Wound Healing. Pharmaceutics, 2022, 14, 464.	4.5	35
80	Graphene oxide increases the viability of C2C12 myoblasts microencapsulated in alginate. International Journal of Pharmaceutics, 2015, 493, 260-270.	5.2	34
81	Hyaluronic acid enhances cell survival of encapsulated insulin-producing cells in alginate-based microcapsules. International Journal of Pharmaceutics, 2019, 557, 192-198.	5.2	34
82	Polymeric nanocarriers: A promising tool for early diagnosis and efficient treatment of colorectal cancer. Journal of Advanced Research, 2022, 39, 237-255.	9.5	33
83	Design of a composite drug delivery system to prolong functionality of cell-based scaffolds. International Journal of Pharmaceutics, 2011, 407, 142-150.	5.2	32
84	Cryopreservation of microencapsulated murine mesenchymal stem cells genetically engineered to secrete erythropoietin. International Journal of Pharmaceutics, 2015, 485, 15-24.	5.2	32
85	Cells, Materials, and Fabrication Processes for Cardiac Tissue Engineering. Frontiers in Bioengineering and Biotechnology, 2020, 8, 955.	4.1	32
86	A Perspective on Bioactive Cell Microencapsulation. BioDrugs, 2012, 26, 283-301.	4.6	31
87	Advances in cell encapsulation technology and its application in drug delivery. Expert Opinion on Drug Delivery, 2015, 12, 1251-1267.	5.0	31
88	Inflammation-triggered local drug release ameliorates colitis by inhibiting dendritic cell migration and Th1/Th17 differentiation. Journal of Controlled Release, 2019, 316, 138-149.	9.9	31
89	Cell microencapsulation technologies for sustained drug delivery: Latest advances in efficacy and biosafety. Journal of Controlled Release, 2021, 335, 619-636.	9.9	31
90	Exploring nano-enabled CRISPR-Cas-powered strategies for efficient diagnostics and treatment of infectious diseases. Journal of Nanostructure in Chemistry, 2022, 12, 833-864.	9.1	31

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91	Encapsulated VEGF-Secreting Cells Enhance Proliferation of Neuronal Progenitors in the Hippocampus of AÎ²PP/Ps1 Mice. Journal of Alzheimer's Disease, 2012, 29, 187-200.	2.6	30
92	Cell microencapsulation technology: Current vision of its therapeutic potential through the administration routes. Journal of Drug Delivery Science and Technology, 2017, 42, 49-62.	3.0	30
93	Improvement of the monitoring and biosafety of encapsulated cells using the SFGNESTGL triple reporter system. Journal of Controlled Release, 2010, 146, 93-98.	9.9	29
94	Multifunctional hydrogel-based scaffold for improving the functionality of encapsulated therapeutic cells and reducing inflammatory response. Acta Biomaterialia, 2014, 10, 4206-4216.	8.3	29
95	Alginate Microcapsules Incorporating Hyaluronic Acid Recreate Closer <i>in Vivo</i> Environment for Mesenchymal Stem Cells. Molecular Pharmaceutics, 2017, 14, 2390-2399.	4.6	28
96	Preservation of Biological Activity of Plasma and Platelet-Derived Eye Drops After Their Different Time and Temperature Conditions of Storage. Cornea, 2015, 34, 1144-1148.	1.7	25
97	Plasma rich in growth factors membrane as coadjuvant treatment in the surgery of ocular surface disorders. Medicine (United States), 2018, 97, e0242.	1.0	25
98	Graphene oxide enhances alginate encapsulated cells viability and functionality while not affecting the foreign body response. Drug Delivery, 2018, 25, 1147-1160.	5.7	25
99	3D Printed porous polyamide macrocapsule combined with alginate microcapsules for safer cell-based therapies. Scientific Reports, 2018, 8, 8512.	3.3	25
100	Superbugs but no drugs: steps in averting a post-antibiotic era. Drug Discovery Today, 2019, 24, 2225-2228.	6.4	25
101	Biologically active and biomimetic dual gelatin scaffolds for tissue engineering. International Journal of Biological Macromolecules, 2017, 98, 486-494.	7.5	24
102	Plasma rich in growth factors for the treatment of dry eye from patients with graft versus host diseases. European Journal of Ophthalmology, 2020, 30, 94-103.	1.3	24
103	Nanoclay Reinforced Biomaterials for Mending Musculoskeletal Tissue Disorders. Advanced Healthcare Materials, 2021, 10, e2100217.	7.6	23
104	Greening the pharmacy. Science, 2022, 377, 259-260.	12.6	23
105	Encapsulation of Cells in Alginate Gels. Methods in Biotechnology, 2006, , 345-355.	0.2	22
106	Assessment of the Behavior of Mesenchymal Stem Cells Immobilized in Biomimetic Alginate Microcapsules. Molecular Pharmaceutics, 2015, 12, 3953-3962.	4.6	22
107	Can 4D bioprinting revolutionize drug development?. Expert Opinion on Drug Discovery, 2019, 14, 953-956.	5.0	22
108	Use of illicit drugs, alcohol and tobacco in Spain and Portugal during the COVID-19 crisis in 2020 as measured by wastewater-based epidemiology. Science of the Total Environment, 2022, 836, 155697.	8.0	22

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109	Advances in stem cell therapy for cartilage regeneration in osteoarthritis. Expert Opinion on Biological Therapy, 2018, 18, 883-896.	3.1	21
110	Emerging technologies in the delivery of erythropoietin for therapeutics. Medicinal Research Reviews, 2011, 31, 284-309.	10.5	20
111	Cryopreservation of Human Mesenchymal Stem Cells in an Allogeneic Bioscaffold based on Platelet Rich Plasma and Synovial Fluid. Scientific Reports, 2017, 7, 15733.	3.3	20
112	Combinatorial fluorapatite-based scaffolds substituted with strontium, magnesium and silicon ions for mending bone defects. Materials Science and Engineering C, 2021, 120, 111611.	7.3	20
113	Biocompatibility and <i>in vivo</i> evaluation of oligochitosans as cationic modifiers of alginate/Ca microcapsules. Journal of Biomedical Materials Research - Part A, 2009, 91A, 1119-1130.	4.0	18
114	Stem cells in alginate bioscaffolds. Therapeutic Delivery, 2012, 3, 761-774.	2.2	18
115	Hydrogel-Based Scaffolds for Enclosing Encapsulated Therapeutic Cells. Biomacromolecules, 2013, 14, 322-330.	5.4	18
116	Plasma rich in growth factors eye drops to treat secondary ocular surface disorders in patients with glaucoma. International Medical Case Reports Journal, 2018, Volume 11, 97-103.	0.8	18
117	Healthy and diseased <i>in vitro</i> models of vascular systems. Lab on A Chip, 2021, 21, 641-659.	6.0	18
118	Behaviour and ultrastructure of human bone marrow-derived mesenchymal stem cells immobilised in alginate-poly-<scp>l</scp>-lysine-alginate microcapsules. Journal of Microencapsulation, 2014, 31, 579-589.	2.8	17
119	Emerging strategies for beta cell transplantation to treat diabetes. Trends in Pharmacological Sciences, 2022, 43, 221-233.	8.7	17
120	Inactivation of encapsulated cells and their therapeutic effects by means of TGL triple-fusion reporter/biosafety gene. Biomaterials, 2013, 34, 1442-1451.	11.4	16
121	The synergistic effects of the RGD density and the microenvironment on the behavior of encapsulated cells:In vitroandin vivodirect comparative study. Journal of Biomedical Materials Research - Part A, 2014, 102, 3965-3972.	4.0	16
122	Personalized plasma-based medicine to treat age-related diseases. Materials Science and Engineering C, 2017, 74, 459-464.	7.3	16
123	Controversies over stem cell research. Trends in Biotechnology, 2003, 21, 109-112.	9.3	15
124	Characterization of an encapsulated insulin secreting human pancreatic beta cell line in a modular microfluidic device. Journal of Drug Targeting, 2018, 26, 36-44.	4.4	15
125	Hyaluronic Acid Promotes Differentiation of Mesenchymal Stem Cells from Different Sources toward Pancreatic Progenitors within Three-Dimensional Alginate Matrixes. Molecular Pharmaceutics, 2019, 16, 834-845.	4.6	15
126	3D cell-laden polymers to release bioactive products in the eye. Progress in Retinal and Eye Research, 2019, 68, 67-82.	15.5	15

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127	Cost-effectiveness analysis of text messaging to support health advice for smoking cessation. Cost Effectiveness and Resource Allocation, 2021, 19, 9.	1.5	15
128	Evaluation of different RGD ligand densities in the development of cell-based drug delivery systems. Journal of Drug Targeting, 2015, 23, 806-812.	4.4	14
129	Drug pollution and pharmacotherapy in psychiatry: A â€œplatypusâ€•in the room. European Psychiatry, 2020, 63, e33.	0.2	14
130	Mass drug administration: time to consider drug pollution?. Lancet, The, 2020, 395, 1112-1113.	13.7	14
131	Therapeutic Applications of Encapsulated Cells. Methods in Molecular Biology, 2013, 1051, 349-364.	0.9	13
132	Encapsulate this: the do's and don'ts. Nature Medicine, 2014, 20, 233-233.	30.7	13
133	Hybrid Alginateâ€"Protein-Coated Graphene Oxide Microcapsules Enhance the Functionality of Erythropoietin Secreting C₂C₁₂ Myoblasts. Molecular Pharmaceutics, 2017, 14, 885-898.	4.6	13
134	Combating Microbial Contamination with Robust Polymeric Nanofibers: Elemental Effect on the Mussel-Inspired Cross-Linking of Electrospun Gelatin. ACS Applied Bio Materials, 2019, 2, 807-823.	4.6	13
135	Injectable and adhesive hydrogels for dealing with wounds. Expert Opinion on Biological Therapy, 2022, 22, 519-533.	3.1	13
136	The effect of plasma rich in growth factors combined with follicular unit extraction surgery for the treatment of hair loss: A pilot study. Journal of Cosmetic Dermatology, 2018, 17, 862-873.	1.6	12
137	Type 1 Diabetes Mellitus reversal via implantation of magnetically purified microencapsulated pseudoislets. International Journal of Pharmaceutics, 2019, 560, 65-77.	5.2	12
138	Environmental pollution with psychiatric drugs. World Journal of Psychiatry, 2021, 11, 791-804.	2.7	12
139	Effectiveness of mobile applications to quit smoking: Systematic review and meta-analysis. Tobacco Prevention and Cessation, 2020, 6, 1-11.	0.4	12
140	Antibacterial Activity of Small Molecules Which Eradicate Methicillin-Resistant Staphylococcus aureus Persisters. Frontiers in Microbiology, 2022, 13, 823394.	3.5	12
141	Immunotherapeutic nanoparticles: From autoimmune disease control to the development of vaccines. , 2022, 135, 212726.		12
142	Encapsulation of Cells in Alginate Gels. Methods in Molecular Biology, 2013, 1051, 313-325.	0.9	11
143	Alginate Microcapsules for Drug Delivery. Springer Series in Biomaterials Science and Engineering, 2018, , 67-100.	1.0	11
144	A New Era for Cyborg Science Is Emerging: The Promise of Cyborganic Beings. Advanced Healthcare Materials, 2020, 9, e1901023.	7.6	11

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145	Cell microencapsulation technologies for sustained drug delivery: Clinical trials and companies. Drug Discovery Today, 2021, 26, 852-861.	6.4	11
146	Composite alginate-gelatin hydrogels incorporating PRGF enhance human dental pulp cell adhesion, chemotaxis and proliferation. International Journal of Pharmaceutics, 2022, 617, 121631.	5.2	10
147	Highlights and Trends in Cell Encapsulation. Advances in Experimental Medicine and Biology, 2010, 670, 1-4.	1.6	9
148	Force spectroscopy-based simultaneous topographical and mechanical characterization to study polymer-to-polymer interactions in coated alginate microspheres. Scientific Reports, 2019, 9, 20112.	3.3	9
149	Cell-laden alginate hydrogels for the treatment of diabetes. Expert Opinion on Drug Delivery, 2020, 17, 1113-1118.	5.0	9
150	Applying Immunomodulation to Promote Longevity of Immunoisolated Pancreatic Islet Grafts. Tissue Engineering - Part B: Reviews, 2022, 28, 129-140.	4.8	9
151	Redefining the â€œrational use of medicinesâ€. Sustainable Chemistry and Pharmacy, 2021, 20, 100381.	3.3	9
152	Environmental contamination by pet pharmaceuticals: A hidden problem. Science of the Total Environment, 2021, 788, 147827.	8.0	9
153	Clinical Applications of Cell Encapsulation Technology. Methods in Molecular Biology, 2020, 2100, 473-491.	0.9	9
154	Tales of Biomaterials, Molecules, and Cells for Repairing and Treating Brain Dysfunction. Current Stem Cell Research and Therapy, 2011, 6, 171-189.	1.3	8
155	Protective Action of Linear Polyethylenimine against <i>Staphylococcus aureus</i> Colonization and Exaggerated Inflammation <i>in Vitro</i> and <i>in Vivo</i>. ACS Infectious Diseases, 2019, 5, 1411-1422.	3.8	8
156	Engineering Hydrogels beyond a Hydrated Network. Advanced Healthcare Materials, 2019, 8, e1900038.	7.6	8
157	The effect of selected parameters of formation on properties of alginate/Ca2+/oligochitosan capsules. Journal of Chemical Technology and Biotechnology, 2006, 81, 511-518.	3.2	7
158	Recent advances in the use of encapsulated cells for effective delivery of therapeutics. Therapeutic Delivery, 2010, 1, 387-396.	2.2	7
159	Differential profile of protein expression on human keratocytes treated with autologous serum and plasma rich in growth factors (PRGF). PLoS ONE, 2018, 13, e0205073.	2.5	7
160	Plasma Rich in Growth Factors for the Treatment of Cicatrizing Conjunctivitis . Clinical Ophthalmology, 2020, Volume 14, 1619-1627.	1.8	7
161	3D-Printed Coaxial Hydrogel Patches with Mussel-Inspired Elements for Prolonged Release of Gemcitabine. Polymers, 2021, 13, 4367.	4.5	7
162	Challenges in Cell Encapsulation. Focus on Biotechnology, 2005, , 185-196.	0.4	6

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163	PDX-Derived Ewingâ€™s Sarcoma Cells Retain High Viability and Disease Phenotype in Alginate Encapsulated Spheroid Cultures. Cancers, 2021, 13, 879.	3.7	6
164	It's about time healthcare professionals and academics start thinking about drug pollution. Sustainable Chemistry and Pharmacy, 2020, 16, 100278.	3.3	5
165	Standardizing salivary lactoferrin measurements to obtain a robust diagnostic biomarker for Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2021, 13, e12173.	2.4	5
166	Pharmaceutical Simplification: Killing Two Birds with One Stone. Environmental Science & Technology, 2022, 56, 3-3.	10.0	5
167	Lactoferrin as Immune-Enhancement Strategy for SARS-CoV-2 Infection in Alzheimerâ€™s Disease Patients. Frontiers in Immunology, 2022, 13, 878201.	4.8	5
168	Improved control over MSCs behavior within 3D matrices by using different cell loads in both in vitro and in vivo environments. International Journal of Pharmaceutics, 2017, 533, 62-72.	5.2	4
169	Low molecular-weight hyaluronan as a cryoprotectant for the storage of microencapsulated cells. International Journal of Pharmaceutics, 2018, 548, 206-216.	5.2	4
170	Monitoring implantable immunoisolation devices with intrinsic fluorescence of genipin. Journal of Biophotonics, 2019, 12, e201800170.	2.3	4
171	Potential Effect of Plasma Rich in Growth Factors-Endoret in Stromal Wound Healing in Additive Surgery. Ophthalmic Research, 2020, 63, 203-212.	1.9	4
172	Ivermectin & COVID-19: Let's keep a One Health perspective. Sustainable Chemistry and Pharmacy, 2021, 21, 100438.	3.3	4
173	The future of psychiatry should be One Health. Reviews on Environmental Health, 2023, 38, 399-400.	2.4	4
174	Saliva is a Good Candidate to be the New Gold-Standard Sample for Neurodegenerative Diseases. Journal of Alzheimer's Disease, 2022, , 1-5.	2.6	4
175	Nanoclay-reinforced HA/alginate scaffolds as cell carriers and SDF-1 delivery-platforms for bone tissue engineering. International Journal of Pharmaceutics, 2022, 623, 121895.	5.2	4
176	Microencapsulated macrophages releases conditioned medium able to prevent epithelial to mesenchymal transition. Drug Delivery, 2018, 25, 91-101.	5.7	3
177	Autologous bioscaffolds based on different concentrations of platelet rich plasma and synovial fluid as a vehicle for mesenchymal stem cells. Journal of Biomedical Materials Research - Part A, 2018, 106, 377-385.	4.0	3
178	Advances in cell-laden hydrogels for delivering therapeutics. Expert Opinion on Biological Therapy, 2019, 19, 1219-1222.	3.1	3
179	Do we really need to invoke heroic measures for early SARS-CoV-2 outbreak detection?. European Journal of Epidemiology, 2020, 35, 613-614.	5.7	3
180	Rational use of drugs as a source control measure to fight drug pollution. Journal of Hazardous Materials, 2021, 410, 124664.	12.4	3

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