Anne des Rieux

List of Publications by Year
in descending order

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71 papers	6,191 citations	76326 40 h-index	85541 71 g-index
74 all docs	74 docs citations	74 times ranked	8680 citing authors

#	Article	IF	Citations
1	Nanoparticles as potential oral delivery systems of proteins and vaccines: A mechanistic approach. Journal of Controlled Release, 2006, 116, 1-27.	9.9	1,144
2	PEGylated PLGA-based nanoparticles targeting M cells for oral vaccination. Journal of Controlled Release, 2007, 120, 195-204.	9.9	309
3	Transport of nanoparticles across an in vitro model of the human intestinal follicle associated epithelium. European Journal of Pharmaceutical Sciences, 2005, 25, 455-465.	4.0	275
4	An improved in vitro model of human intestinal follicle-associated epithelium to study nanoparticle transport by M cells. European Journal of Pharmaceutical Sciences, 2007, 30, 380-391.	4.0	269
5	Fate of polymeric nanocarriers for oral drug delivery. Current Opinion in Colloid and Interface Science, 2011, 16, 228-237.	7.4	269
6	Chitosan and Chitosan Derivatives in Drug Delivery and Tissue Engineering. Advances in Polymer Science, 2011, , 19-44.	0.8	232
7	Combined effect of PLGA and curcumin on wound healing activity. Journal of Controlled Release, 2013, 171, 208-215.	9.9	217
8	Central nervous system regeneration is driven by microglia necroptosis and repopulation. Nature Neuroscience, 2019, 22, 1046-1052.	14.8	215
9	pH-sensitive nanoparticles for colonic delivery of curcumin in inflammatory bowel disease. International Journal of Pharmaceutics, 2014, 473, 203-212.	5.2	196
10	Mechanistic study of the adjuvant effect of biodegradable nanoparticles in mucosal vaccination. Journal of Controlled Release, 2009, 138, 113-121.	9.9	185
11	Mechanism of transport of saquinavir-loaded nanostructured lipid carriers across the intestinal barrier. Journal of Controlled Release, 2013, 166, 115-123.	9.9	176
12	Targeting nanoparticles to M cells with non-peptidic ligands for oral vaccination. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 73, 16-24.	4.3	144
13	Transplantation of an alginateâ€“matrigel matrix containing isolated ovarian cells: First step in developing a biodegradable scaffold to transplant isolated preantral follicles and ovarian cells. Biomaterials, 2012, 33, 6079-6085.	11.4	136
14	3D systems delivering VEGF to promote angiogenesis for tissue engineering. Journal of Controlled Release, 2011, 150, 272-278.	9.9	128
15	Targeted nanoparticles with novel non-peptidic ligands for oral delivery. Advanced Drug Delivery Reviews, 2013, 65, 833-844.	13.7	124
16	Combined effects of PLGA and vascular endothelial growth factor promote the healing of non-diabetic and diabetic wounds. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1975-1984.	3.3	101
17	Mechanisms of transport of polymeric and lipidic nanoparticles across the intestinal barrier. Advanced Drug Delivery Reviews, 2016, 106, 242-255.	13.7	98
18	Injectable alginate hydrogel loaded with GDNF promotes functional recovery in a hemisection model of spinal cord injury. International Journal of Pharmaceutics, 2013, 455, 148-158.	5.2	94

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19	Temozolomide-loaded photopolymerizable PEG-DMA-based hydrogel for the treatment of glioblastoma. Journal of Controlled Release, 2015, 210, 95-104.	9.9	89
20	Transport mechanisms of mmePEG750P(CL-co-TMC) polymeric micelles across the intestinal barrier. Journal of Controlled Release, 2007, 124, 134-143.	9.9	82
21	3D-printed biodegradable gyroid scaffolds for tissue engineering applications. Materials and Design, 2018, 151, 113-122.	7.0	76
22	Fibrin hydrogels for non-viral vector delivery in vitro. Journal of Controlled Release, 2009, 136, 148-154.	9.9	75
23	Dextranâ€“protamine coated nanostructured lipid carriers as mucus-penetrating nanoparticles for lipophilic drugs. International Journal of Pharmaceutics, 2014, 468, 105-111.	5.2	72
24	A human intestinal M-cell-like model for investigating particle, antigen and microorganism translocation. Nature Protocols, 2017, 12, 1387-1399.	12.0	64
25	Hypoxia Modulates the Differentiation Potential of Stem Cells of the Apical Papilla. Journal of Endodontics, 2014, 40, 1410-1418.	3.1	59
26	Paclitaxel-loaded micelles enhance transvascular permeability and retention of nanomedicines in tumors. International Journal of Pharmaceutics, 2015, 479, 399-407.	5.2	56
27	On glioblastoma and the search for a cure: where do we stand?. Cellular and Molecular Life Sciences, 2017, 74, 2451-2466.	5.4	56
28	Helodermin-loaded nanoparticles: Characterization and transport across an in vitro model of the follicle-associated epithelium. Journal of Controlled Release, 2007, 118, 294-302.	9.9	54
29	Post-resection treatment of glioblastoma with an injectable nanomedicine-loaded photopolymerizable hydrogel induces long-term survival. International Journal of Pharmaceutics, 2018, 548, 522-529.	5.2	52
30	The therapeutic contribution of nanomedicine to treat neurodegenerative diseases via neural stem cell differentiation. Biomaterials, 2017, 123, 77-91.	11.4	51
31	Vascular endothelial growth factorâ€loaded injectable hydrogel enhances plasticity in the injured spinal cord. Journal of Biomedical Materials Research - Part A, 2014, 102, 2345-2355.	4.0	50
32	NFL-lipid nanocapsules for brain neural stem cell targeting in vitro and in vivo. Journal of Controlled Release, 2016, 238, 253-262.	9.9	50
33	Transplantation of testicular tissue in alginate hydrogel loaded with VEGF nanoparticles improves spermatogonial recovery. Journal of Controlled Release, 2016, 234, 79-89.	9.9	49
34	Surface Modification of Lipid-Based Nanoparticles. ACS Nano, 2022, 16, 7168-7196.	14.6	49
35	Bioadhesive nanoparticles of fungal chitosan for oral DNA delivery. International Journal of Pharmaceutics, 2010, 398, 210-218.	5.2	48
36	Pharmacologically active microcarriers delivering BDNF within a hydrogel: Novel strategy for human bone marrow-derived stem cells neural/neuronal differentiation guidance and therapeutic secretome enhancement. Acta Biomaterialia, 2017, 49, 167-180.	8.3	47

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37	Tissue Engineering to Improve Immature Testicular Tissue and Cell Transplantation Outcomes: One Step Closer to Fertility Restoration for Prepubertal Boys Exposed to Gonadotoxic Treatments. International Journal of Molecular Sciences, 2018, 19, 286.	4.1	46
38	Dental Apical Papilla as Therapy for Spinal Cord Injury. Journal of Dental Research, 2015, 94, 1575-1581.	5.2	45
39	In vitro identification of targeting ligands of human M cells by phage display. International Journal of Pharmaceutics, 2010, 394, 35-42.	5.2	43
40	The type and composition of alginate and hyaluronic-based hydrogels influence the viability of stem cells of the apical papilla. Dental Materials, 2014, 30, e349-e361.	3.5	41
41	Vascular endothelial growth factor and fibroblast growth factor 2 delivery from spinal cord bridges to enhance angiogenesis following injury. Journal of Biomedical Materials Research - Part A, 2011, 98A, 372-382.	4.0	40
42	Injection of SDF-1 loaded nanoparticles following traumatic brain injury stimulates neural stem cell recruitment. International Journal of Pharmaceutics, 2017, 519, 323-331.	5.2	40
43	Lipid nanocapsules to enhance drug bioavailability to the central nervous system. Journal of Controlled Release, 2020, 322, 390-400.	9.9	40
44	Extracellular vesicles for the treatment of central nervous system diseases. Advanced Drug Delivery Reviews, 2021, 174, 535-552.	13.7	39
45	Development of PLGA-Mannosamine Nanoparticles as Oral Protein Carriers. Biomacromolecules, 2013, 14, 4046-4052.	5.4	38
46	Layered PLG scaffolds for in vivo plasmid delivery. Biomaterials, 2009, 30, 394-401.	11.4	37
47	Stem cells from human apical papilla decrease neuro-inflammation and stimulate oligodendrocyte progenitor differentiation via activin-A secretion. Cellular and Molecular Life Sciences, 2018, 75, 2843-2856.	5.4	34
48	Novel model of orthotopic U-87 MG glioblastoma resection in athymic nude mice. Journal of Neuroscience Methods, 2017, 284, 96-102.	2.5	33
49	Acylated and unacylated ghrelin binding to membranes and to ghrelin receptor: Towards a better understanding of the underlying mechanisms. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 2102-2113.	2.6	31
50	Restoring Fertility with Cryopreserved Prepubertal Testicular Tissue: Perspectives with Hydrogel Encapsulation, Nanotechnology, and Bioengineered Scaffolds. Annals of Biomedical Engineering, 2017, 45, 1770-1781.	2.5	30
51	Extracellular matrixâ€derived hydrogels for dental stem cell delivery. Journal of Biomedical Materials Research - Part A, 2017, 105, 319-328.	4.0	28
52	Taking a bite out of spinal cord injury: do dental stem cells have the teeth for it?. Cellular and Molecular Life Sciences, 2016, 73, 1413-1437.	5.4	22
53	Retinoic acid-loaded NFL-lipid nanocapsules promote oligodendrogenesis in focal white matter lesion. Biomaterials, 2020, 230, 119653.	11.4	22
54	Fibrin hydrogels to deliver dental stem cells of the apical papilla for regenerative medicine. Regenerative Medicine, 2015, 10, 153-167.	1.7	21

#	Article	IF	Citations
55	Ovarian extracellular matrixâ€based hydrogel for human ovarian follicle survival in vivo: A pilot work. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 1012-1022.	3.4	20
56	Accelerated and Improved Vascular Maturity after Transplantation of Testicular Tissue in Hydrogels Supplemented with VEGF- and PDGF-Loaded Nanoparticles. International Journal of Molecular Sciences, 2021, 22, 5779.	4.1	17
57	Stem cells from the dental apical papilla in extracellular matrix hydrogels mitigate inflammation of microglial cells. Scientific Reports, 2019, 9, 14015.	3.3	16
58	Human dental stem cells of the apical papilla associated to BDNF-loaded pharmacologically active microcarriers (PAMs) enhance locomotor function after spinal cord injury. International Journal of Pharmaceutics, 2020, 587, 119685.	5.2	16
59	The origin of neural stem cells impacts their interactions with targeted-lipid nanocapsules: Potential role of plasma membrane lipid composition and fluidity. Journal of Controlled Release, 2018, 292, 248-255.	9.9	15
60	Significant Benefits of Nanoparticles Containing a Necrosis Inhibitor on Mice Testicular Tissue Autografts Outcomes. International Journal of Molecular Sciences, 2019, 20, 5833.	4.1	13
61	A new model of nerve injury in the rat reveals a role of Regulator of G protein Signaling 4 in tactile hypersensitivity. Experimental Neurology, 2016, 286, 1-11.	4.1	12
62	Human Liver-Derived Extracellular Matrix for the Culture of Distinct Human Primary Liver Cells. Cells, 2020, 9, 1357.	4.1	10
63	Decreased viability and neurite length in neural cells treated with chitosan-dextran sulfate nanocomplexes. NeuroToxicology, 2020, 76, 33-43.	3.0	7
64	Title is missing!. Journal of Polymers and the Environment, 2003, 11, 31-37.	5.0	6
65	Modulation of spinal glial reactivity by intrathecal PPF is not sufficient to inhibit mechanical allodynia induced by nerve crush. Neuroscience Research, 2015, 95, 78-82.	1.9	6
66	Impact of anti-PDGFRÎ± antibody surface functionalization on LNC uptake by oligodendrocyte progenitor cells. International Journal of Pharmaceutics, 2022, 618, 121623.	5.2	6
67	Green and Tunable Animal Protein-Free Microcarriers for Cell Expansion. ACS Applied Materials & Interfaces, 2020, 12, 50303-50314.	8.0	5
68	Stem cells and their extracellular vesicles as natural and bioinspired carriers for the treatment of neurological disorders. Current Opinion in Colloid and Interface Science, 2021, 54, 101460.	7.4	5
69	Rapid Serum-Free Isolation of Oligodendrocyte Progenitor Cells from Adult Rat Spinal Cord. Stem Cell Reviews and Reports, 2017, 13, 499-512.	5.6	3
70	The human dental apical papilla promotes spinal cord repair through a paracrine mechanism. Cellular and Molecular Life Sciences, 2022, 79, 252.	5.4	3
71	Mesenchymal stem cell encapsulation in alginate micro-particles for intra-articular injection in osteoarthritis. Osteoarthritis and Cartilage, 2019, 27, S424.	1.3	0