

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	Ovarian extracellular matrix-based hydrogel for human ovarian follicle survival in vivo: A pilot work. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 1012-1022.	3.4	20
2	Impact of anti-PDGFR β antibody surface functionalization on LNC uptake by oligodendrocyte progenitor cells. <i>International Journal of Pharmaceutics</i> , 2022, 618, 121623.	5.2	6
3	The human dental apical papilla promotes spinal cord repair through a paracrine mechanism. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 252.	5.4	3
4	Surface Modification of Lipid-Based Nanoparticles. <i>ACS Nano</i> , 2022, 16, 7168-7196.	14.6	49
5	Accelerated and Improved Vascular Maturity after Transplantation of Testicular Tissue in Hydrogels Supplemented with VEGF- and PDGF-Loaded Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5779.	4.1	17
6	Extracellular vesicles for the treatment of central nervous system diseases. <i>Advanced Drug Delivery Reviews</i> , 2021, 174, 535-552.	13.7	39
7	Stem cells and their extracellular vesicles as natural and bioinspired carriers for the treatment of neurological disorders. <i>Current Opinion in Colloid and Interface Science</i> , 2021, 54, 101460.	7.4	5
8	Decreased viability and neurite length in neural cells treated with chitosan-dextran sulfate nanocomplexes. <i>NeuroToxicology</i> , 2020, 76, 33-43.	3.0	7
9	Retinoic acid-loaded NFL-lipid nanocapsules promote oligodendrogenesis in focal white matter lesion. <i>Biomaterials</i> , 2020, 230, 119653.	11.4	22
10	Human dental stem cells of the apical papilla associated to BDNF-loaded pharmacologically active microcarriers (PAMs) enhance locomotor function after spinal cord injury. <i>International Journal of Pharmaceutics</i> , 2020, 587, 119685.	5.2	16
11	Green and Tunable Animal Protein-Free Microcarriers for Cell Expansion. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50303-50314.	8.0	5
12	Human Liver-Derived Extracellular Matrix for the Culture of Distinct Human Primary Liver Cells. <i>Cells</i> , 2020, 9, 1357.	4.1	10
13	Lipid nanocapsules to enhance drug bioavailability to the central nervous system. <i>Journal of Controlled Release</i> , 2020, 322, 390-400.	9.9	40
14	Stem cells from the dental apical papilla in extracellular matrix hydrogels mitigate inflammation of microglial cells. <i>Scientific Reports</i> , 2019, 9, 14015.	3.3	16
15	Mesenchymal stem cell encapsulation in alginate micro-particles for intra-articular injection in osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2019, 27, S424.	1.3	0
16	Central nervous system regeneration is driven by microglia necroptosis and repopulation. <i>Nature Neuroscience</i> , 2019, 22, 1046-1052.	14.8	215
17	Significant Benefits of Nanoparticles Containing a Necrosis Inhibitor on Mice Testicular Tissue Autografts Outcomes. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5833.	4.1	13
18	3D-printed biodegradable gyroid scaffolds for tissue engineering applications. <i>Materials and Design</i> , 2018, 151, 113-122.	7.0	76

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19	Stem cells from human apical papilla decrease neuro-inflammation and stimulate oligodendrocyte progenitor differentiation via activin-A secretion. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 2843-2856.	5.4	34
20	The origin of neural stem cells impacts their interactions with targeted-lipid nanocapsules: Potential role of plasma membrane lipid composition and fluidity. <i>Journal of Controlled Release</i> , 2018, 292, 248-255.	9.9	15
21	Tissue Engineering to Improve Immature Testicular Tissue and Cell Transplantation Outcomes: One Step Closer to Fertility Restoration for Prepubertal Boys Exposed to Gonadotoxic Treatments. <i>International Journal of Molecular Sciences</i> , 2018, 19, 286.	4.1	46
22	Post-resection treatment of glioblastoma with an injectable nanomedicine-loaded photopolymerizable hydrogel induces long-term survival. <i>International Journal of Pharmaceutics</i> , 2018, 548, 522-529.	5.2	52
23	Injection of SDF-1 loaded nanoparticles following traumatic brain injury stimulates neural stem cell recruitment. <i>International Journal of Pharmaceutics</i> , 2017, 519, 323-331.	5.2	40
24	Restoring Fertility with Cryopreserved Prepubertal Testicular Tissue: Perspectives with Hydrogel Encapsulation, Nanotechnology, and Bioengineered Scaffolds. <i>Annals of Biomedical Engineering</i> , 2017, 45, 1770-1781.	2.5	30
25	The therapeutic contribution of nanomedicine to treat neurodegenerative diseases via neural stem cell differentiation. <i>Biomaterials</i> , 2017, 123, 77-91.	11.4	51
26	On glioblastoma and the search for a cure: where do we stand?. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 2451-2466.	5.4	56
27	Rapid Serum-Free Isolation of Oligodendrocyte Progenitor Cells from Adult Rat Spinal Cord. <i>Stem Cell Reviews and Reports</i> , 2017, 13, 499-512.	5.6	3
28	Novel model of orthotopic U-87 MG glioblastoma resection in athymic nude mice. <i>Journal of Neuroscience Methods</i> , 2017, 284, 96-102.	2.5	33
29	A human intestinal M-cell-like model for investigating particle, antigen and microorganism translocation. <i>Nature Protocols</i> , 2017, 12, 1387-1399.	12.0	64
30	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. <i>Acta Biomaterialia</i> , 2017, 49, 167-180.	8.3	47
31	Extracellular matrix-derived hydrogels for dental stem cell delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 319-328.	4.0	28
32	Transplantation of testicular tissue in alginate hydrogel loaded with VEGF nanoparticles improves spermatogonial recovery. <i>Journal of Controlled Release</i> , 2016, 234, 79-89.	9.9	49
33	Mechanisms of transport of polymeric and lipidic nanoparticles across the intestinal barrier. <i>Advanced Drug Delivery Reviews</i> , 2016, 106, 242-255.	13.7	98
34	NFL-lipid nanocapsules for brain neural stem cell targeting in vitro and in vivo. <i>Journal of Controlled Release</i> , 2016, 238, 253-262.	9.9	50
35	A new model of nerve injury in the rat reveals a role of Regulator of G protein Signaling 4 in tactile hypersensitivity. <i>Experimental Neurology</i> , 2016, 286, 1-11.	4.1	12
36	Taking a bite out of spinal cord injury: do dental stem cells have the teeth for it?. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 1413-1437.	5.4	22

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37	Temozolomide-loaded photopolymerizable PEG-DMA-based hydrogel for the treatment of glioblastoma. <i>Journal of Controlled Release</i> , 2015, 210, 95-104.	9.9	89
38	Fibrin hydrogels to deliver dental stem cells of the apical papilla for regenerative medicine. <i>Regenerative Medicine</i> , 2015, 10, 153-167.	1.7	21
39	Paclitaxel-loaded micelles enhance transvascular permeability and retention of nanomedicines in tumors. <i>International Journal of Pharmaceutics</i> , 2015, 479, 399-407.	5.2	56
40	Modulation of spinal glial reactivity by intrathecal PPF is not sufficient to inhibit mechanical allodynia induced by nerve crush. <i>Neuroscience Research</i> , 2015, 95, 78-82.	1.9	6
41	Combined effects of PLGA and vascular endothelial growth factor promote the healing of non-diabetic and diabetic wounds. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1975-1984.	3.3	101
42	Dental Apical Papilla as Therapy for Spinal Cord Injury. <i>Journal of Dental Research</i> , 2015, 94, 1575-1581.	5.2	45
43	Dextran-protamine coated nanostructured lipid carriers as mucus-penetrating nanoparticles for lipophilic drugs. <i>International Journal of Pharmaceutics</i> , 2014, 468, 105-111.	5.2	72
44	Vascular endothelial growth factor-loaded injectable hydrogel enhances plasticity in the injured spinal cord. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 2345-2355.	4.0	50
45	The type and composition of alginate and hyaluronic-based hydrogels influence the viability of stem cells of the apical papilla. <i>Dental Materials</i> , 2014, 30, e349-e361.	3.5	41
46	pH-sensitive nanoparticles for colonic delivery of curcumin in inflammatory bowel disease. <i>International Journal of Pharmaceutics</i> , 2014, 473, 203-212.	5.2	196
47	Hypoxia Modulates the Differentiation Potential of Stem Cells of the Apical Papilla. <i>Journal of Endodontics</i> , 2014, 40, 1410-1418.	3.1	59
48	Combined effect of PLGA and curcumin on wound healing activity. <i>Journal of Controlled Release</i> , 2013, 171, 208-215.	9.9	217
49	Development of PLGA-Mannosamine Nanoparticles as Oral Protein Carriers. <i>Biomacromolecules</i> , 2013, 14, 4046-4052.	5.4	38
50	Injectable alginate hydrogel loaded with GDNF promotes functional recovery in a hemisection model of spinal cord injury. <i>International Journal of Pharmaceutics</i> , 2013, 455, 148-158.	5.2	94
51	Targeted nanoparticles with novel non-peptidic ligands for oral delivery. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 833-844.	13.7	124
52	Mechanism of transport of saquinavir-loaded nanostructured lipid carriers across the intestinal barrier. <i>Journal of Controlled Release</i> , 2013, 166, 115-123.	9.9	176
53	Transplantation of an alginate-matrigel matrix containing isolated ovarian cells: First step in developing a biodegradable scaffold to transplant isolated preantral follicles and ovarian cells. <i>Biomaterials</i> , 2012, 33, 6079-6085.	11.4	136
54	Chitosan and Chitosan Derivatives in Drug Delivery and Tissue Engineering. <i>Advances in Polymer Science</i> , 2011, , 19-44.	0.8	232

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55	3D systems delivering VEGF to promote angiogenesis for tissue engineering. <i>Journal of Controlled Release</i> , 2011, 150, 272-278.	9.9	128
56	Fate of polymeric nanocarriers for oral drug delivery. <i>Current Opinion in Colloid and Interface Science</i> , 2011, 16, 228-237.	7.4	269
57	Vascular endothelial growth factor and fibroblast growth factor 2 delivery from spinal cord bridges to enhance angiogenesis following injury. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 98A, 372-382.	4.0	40
58	In vitro identification of targeting ligands of human M cells by phage display. <i>International Journal of Pharmaceutics</i> , 2010, 394, 35-42.	5.2	43
59	Bioadhesive nanoparticles of fungal chitosan for oral DNA delivery. <i>International Journal of Pharmaceutics</i> , 2010, 398, 210-218.	5.2	48
60	Acylated and unacylated ghrelin binding to membranes and to ghrelin receptor: Towards a better understanding of the underlying mechanisms. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 2102-2113.	2.6	31
61	Fibrin hydrogels for non-viral vector delivery in vitro. <i>Journal of Controlled Release</i> , 2009, 136, 148-154.	9.9	75
62	Mechanistic study of the adjuvant effect of biodegradable nanoparticles in mucosal vaccination. <i>Journal of Controlled Release</i> , 2009, 138, 113-121.	9.9	185
63	Layered PLG scaffolds for in vivo plasmid delivery. <i>Biomaterials</i> , 2009, 30, 394-401.	11.4	37
64	Targeting nanoparticles to M cells with non-peptidic ligands for oral vaccination. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 73, 16-24.	4.3	144
65	An improved in vitro model of human intestinal follicle-associated epithelium to study nanoparticle transport by M cells. <i>European Journal of Pharmaceutical Sciences</i> , 2007, 30, 380-391.	4.0	269
66	Helodermin-loaded nanoparticles: Characterization and transport across an in vitro model of the follicle-associated epithelium. <i>Journal of Controlled Release</i> , 2007, 118, 294-302.	9.9	54
67	PEGylated PLGA-based nanoparticles targeting M cells for oral vaccination. <i>Journal of Controlled Release</i> , 2007, 120, 195-204.	9.9	309
68	Transport mechanisms of mmePEG750P(CL-co-TMC) polymeric micelles across the intestinal barrier. <i>Journal of Controlled Release</i> , 2007, 124, 134-143.	9.9	82
69	Nanoparticles as potential oral delivery systems of proteins and vaccines: A mechanistic approach. <i>Journal of Controlled Release</i> , 2006, 116, 1-27.	9.9	1,144
70	Transport of nanoparticles across an in vitro model of the human intestinal follicle associated epithelium. <i>European Journal of Pharmaceutical Sciences</i> , 2005, 25, 455-465.	4.0	275
71	Title is missing!. <i>Journal of Polymers and the Environment</i> , 2003, 11, 31-37.	5.0	6