

Nadia Benkirane-Jessel

List of Publications by Year in descending order

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62
papers

2,416
citations

218592

26
h-index

206029

48
g-index

63
all docs

63
docs citations

63
times ranked

3316
citing authors

#	ARTICLE	IF	CITATIONS
1	Bone substitutes: a review of their characteristics, clinical use, and perspectives for large bone defects management. <i>Journal of Tissue Engineering</i> , 2018, 9, 204173141877681.	2.3	497
2	Multiple and time-scheduled in situ DNA delivery mediated by beta-cyclodextrin embedded in a polyelectrolyte multilayer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8618-8621.	3.3	227
3	Build-up of Polypeptide Multilayer Coatings with Anti-Inflammatory Properties Based on the Embedding of Piroxicam-Cyclodextrin Complexes. <i>Advanced Functional Materials</i> , 2004, 14, 174-182.	7.8	122
4	Bone Formation Mediated by Synergy-Acting Growth Factors Embedded in a Polyelectrolyte Multilayer Film. <i>Advanced Materials</i> , 2007, 19, 693-697.	11.1	89
5	<i>In Vivo</i> Osseointegration of Nano-Designed Composite Coatings on Titanium Implants. <i>ACS Nano</i> , 2011, 5, 4790-4799.	7.3	81
6	Control of Monocyte Morphology on and Response to Model Surfaces for Implants Equipped with Anti-Inflammatory Agent. <i>Advanced Materials</i> , 2004, 16, 1507-1511.	11.1	79
7	Short-Time Tuning of the Biological Activity of Functionalized Polyelectrolyte Multilayers. <i>Advanced Functional Materials</i> , 2005, 15, 648-654.	7.8	76
8	Osteogenetic Properties of Electrospun Nanofibrous PCL Scaffolds Equipped With Chitosan-Based Nanoreservoirs of Growth Factors. <i>Macromolecular Bioscience</i> , 2014, 14, 45-55.	2.1	62
9	Smart Hybrid Materials Equipped by Nanoreservoirs of Therapeutics. <i>ACS Nano</i> , 2012, 6, 483-490.	7.3	56
10	Nanostructured Assemblies for Dental Application. <i>ACS Nano</i> , 2010, 4, 3277-3287.	7.3	52
11	Transfection Ability and Intracellular DNA Pathway of Nanostructured Gene-Delivery Systems. <i>Nano Letters</i> , 2008, 8, 2432-2436.	4.5	50
12	Micro-stratified architectures based on successive stacking of alginate gel layers and poly(L-lysine)-hyaluronic acid multilayer films aimed at tissue engineering. <i>Soft Matter</i> , 2008, 4, 1422.	1.2	49
13	Modulation of immune-inflammatory responses through surface modifications of biomaterials to promote bone healing and regeneration. <i>Journal of Tissue Engineering</i> , 2021, 12, 204173142110414.	2.3	46
14	Synthesis of a Novel Electrospun Polycaprolactone Scaffold Functionalized with Ibuprofen for Periodontal Regeneration: An In Vitro and In Vivo Study. <i>Materials</i> , 2018, 11, 580.	1.3	45
15	Step-by-Step Build-Up of Biologically Active Cell-Containing Stratified Films Aimed at Tissue Engineering. <i>Advanced Materials</i> , 2009, 21, 650-655.	11.1	43
16	Periodontal Tissues, Maxillary Jaw Bone, and Tooth Regeneration Approaches: From Animal Models Analyses to Clinical Applications. <i>Nanomaterials</i> , 2018, 8, 337.	1.9	43
17	Designing a three-dimensional alginate hydrogel by spraying method for cartilage tissue engineering. <i>Soft Matter</i> , 2010, 6, 5165.	1.2	42
18	Temporomandibular Joint Regenerative Medicine. <i>International Journal of Molecular Sciences</i> , 2018, 19, 446.	1.8	40

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19	Polymer-Based Instructive Scaffolds for Endodontic Regeneration. <i>Materials</i> , 2019, 12, 2347.	1.3	36
20	Cell Apoptosis Control Using BMP4 and Noggin Embedded in a Polyelectrolyte Multilayer Film. <i>Small</i> , 2007, 3, 1577-1583.	5.2	35
21	Nanofibers Implant Functionalized by Neural Growth Factor as a Strategy to Innervate a Bioengineered Tooth. <i>Advanced Healthcare Materials</i> , 2014, 3, 386-391.	3.9	33
22	Polyelectrolyte multilayer coatings that resist protein adsorption at rest and under stretching. <i>Journal of Materials Chemistry</i> , 2008, 18, 4242.	6.7	30
23	Active implant combining human stem cell microtissues and growth factors for bone-regenerative nanomedicine. <i>Nanomedicine</i> , 2015, 10, 753-763.	1.7	30
24	Electrospun nanofibrous 3D scaffold for bone tissue engineering. <i>Bio-Medical Materials and Engineering</i> , 2012, 22, 137-141.	0.4	29
25	Enhanced Peripheral Nerve Regeneration by a High Surface Area to Volume Ratio of Nerve Conduits Fabricated from Hydroxyethyl Cellulose/Soy Protein Composite Sponges. <i>ACS Omega</i> , 2017, 2, 7471-7481.	1.6	29
26	Preclinical safety study of a combined therapeutic bone wound dressing for osteoarticular regeneration. <i>Nature Communications</i> , 2019, 10, 2156.	5.8	29
27	A living thick nanofibrous implant bifunctionalized with active growth factor and stem cells for bone regeneration. <i>International Journal of Nanomedicine</i> , 2015, 10, 1061.	3.3	28
28	Structuring and Molding of Electrospun Nanofibers: Effect of Electrical and Topographical Local Properties of Micro-Patterned Collectors. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 958-968.	1.7	27
29	Electrospun Honeycomb as Nests for Controlled Osteoblast Spatial Organization. <i>Macromolecular Bioscience</i> , 2014, 14, 1580-1589.	2.1	26
30	Anti-fouling phosphorylcholine bearing polyelectrolyte multilayers: Cell adhesion resistance at rest and under stretching. <i>Soft Matter</i> , 2010, 6, 1503.	1.2	25
31	Collagen implants equipped with "fish scale"-like nanoreservoirs of growth factors for bone regeneration. <i>Nanomedicine</i> , 2014, 9, 1253-1261.	1.7	25
32	Polyelectrolyte Multilayer Films Built from Poly(L-lysine) and a Two-Component Anionic Polysaccharide Blend. <i>Langmuir</i> , 2009, 25, 3593-3600.	1.6	23
33	Development of a thermosensitive statin loaded chitosan-based hydrogel promoting bone healing. <i>International Journal of Pharmaceutics</i> , 2020, 586, 119534.	2.6	23
34	Bone Grafts, Bone Substitutes and Regenerative Medicine Acceptance for the Management of Bone Defects Among French Population: Issues about Ethics, Religion or Fear?. <i>Cell Medicine</i> , 2019, 11, 215517901985766.	5.0	22
35	Active Nanomaterials to Meet the Challenge of Dental Pulp Regeneration. <i>Materials</i> , 2015, 8, 7461-7471.	1.3	20
36	Mechanical stimulations on human bone marrow mesenchymal stem cells enhance cells differentiation in a three-dimensional layered scaffold. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 360-369.	1.3	20

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37	Porphyromonas gingivalis triggers the shedding of inflammatory endothelial microvesicles that act as autocrine effectors of endothelial dysfunction. <i>Scientific Reports</i> , 2020, 10, 1778.	1.6	19
38	Nanoengineered implant as a new platform for regenerative nanomedicine using 3D well-organized human cell spheroids. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 447-457.	3.3	18
39	Smart Implants as a Novel Strategy to Regenerate Well-Founded Cartilage. <i>Trends in Biotechnology</i> , 2017, 35, 8-11.	4.9	15
40	Advanced nanostructured medical device combining mesenchymal cells and VEGF nanoparticles for enhanced engineered tissue vascularization. <i>Nanomedicine</i> , 2016, 11, 2419-2430.	1.7	14
41	Osteochondral repair combining therapeutics implant with mesenchymal stem cells spheroids. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 29, 102253.	1.7	14
42	Maxillary Bone Regeneration Based on Nanoreservoirs Functionalized μ -Polycaprolactone Biomembranes in a Mouse Model of Jaw Bone Lesion. <i>BioMed Research International</i> , 2018, 2018, 1-12.	0.9	13
43	Are the Immune Properties of Mesenchymal Stem Cells from Wharton's Jelly Maintained during Chondrogenic Differentiation?. <i>Journal of Clinical Medicine</i> , 2020, 9, 423.	1.0	13
44	Double compartmented and hybrid implant outfitted with well-organized 3D stem cells for osteochondral regenerative nanomedicine. <i>Nanomedicine</i> , 2015, 10, 2833-2845.	1.7	12
45	The Lim1 oncogene as a new therapeutic target for metastatic human renal cell carcinoma. <i>Oncogene</i> , 2019, 38, 60-72.	2.6	12
46	A New Polycaprolactone-Based Biomembrane Functionalized with BMP-2 and Stem Cells Improves Maxillary Bone Regeneration. <i>Nanomaterials</i> , 2020, 10, 1774.	1.9	12
47	Nanostructured thick 3D nanofibrous scaffold can induce bone. <i>Bio-Medical Materials and Engineering</i> , 2015, 25, 79-85.	0.4	10
48	Semaphorin 3A receptor inhibitor as a novel therapeutic to promote innervation of bioengineered teeth. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e2151-e2161.	1.3	8
49	Potential Implantable Nanofibrous Biomaterials Combined with Stem Cells for Subchondral Bone Regeneration. <i>Materials</i> , 2020, 13, 3087.	1.3	7
50	Comparative effectiveness of nonsurgical interventions in the treatment of patients with knee osteoarthritis. <i>Medicine (United States)</i> , 2021, 100, e28067.	0.4	7
51	Vascularization of Patient-Derived Tumoroid from Non-Small-Cell Lung Cancer and Its Microenvironment. <i>Biomedicines</i> , 2022, 10, 1103.	1.4	6
52	Patient-Derived Lung Tumoroids "An Emerging Technology in Drug Development and Precision Medicine. <i>Biomedicines</i> , 2022, 10, 1677.	1.4	6
53	Integrating Microtissues in Nanofiber Scaffolds for Regenerative Nanomedicine. <i>Materials</i> , 2015, 8, 6863-6867.	1.3	5
54	Cell Type Influences Local Delivery of Biomolecules from a Bioinspired Apatite Drug Delivery System. <i>Materials</i> , 2018, 11, 1703.	1.3	5

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55	Mechanistic Illustration: How Newly-Formed Blood Vessels Stopped by the Mineral Blocks of Bone Substitutes Can Be Avoided by Using Innovative Combined Therapeutics. <i>Biomedicines</i> , 2021, 9, 952.	1.4	5
56	Hybrid collagen sponge and stem cells as a new combined scaffold able to induce the re-organization of endothelial cells into clustered networks. <i>Bio-Medical Materials and Engineering</i> , 2017, 28, S185-S192.	0.4	4
57	Bone defects and future regenerative nanomedicine approach using stem cells in the mutant Tabby mouse model. <i>Bio-Medical Materials and Engineering</i> , 2015, 25, 111-119.	0.4	3
58	Eruption of Bioengineered Teeth: A New Approach Based on a Polycaprolactone Biomembrane. <i>Nanomaterials</i> , 2021, 11, 1315.	1.9	2
59	Nanomedicine and Periodontal Regenerative Treatment. <i>Dental Clinics of North America</i> , 2021, 66, 131-155.	0.8	2
60	Bi-layered Nano Active Implant with Hybrid Stem Cell Microtissues for Tuned Cartilage Hypertrophy. <i>Journal of Stem Cell Research & Therapeutics</i> , 2015, 1, .	0.1	2
61	Control of Inflammation by a Thermosensitive Lovastatin-Loaded Hydrogel. <i>Biomedical and Health Research</i> , 2021, , .	0.0	0
62	Intelligent Implants for Osteoarthritis Injuries and Cartilage Regeneration. <i>Biomedical and Health Research</i> , 2021, , .	0.0	0