

Anita F Quigley

List of Publications by Citations

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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.

65
papers

1,774
citations

20
h-index

41
g-index

67
ext. papers

2,111
ext. citations

5.6
avg, IF

4.48
L-index

#	Paper	IF	Citations
65	Bio-ink properties and printability for extrusion printing living cells. <i>Biomaterials Science</i> , 2013 , 1, 763-773	7.4	371
64	Development of the Biopen: a handheld device for surgical printing of adipose stem cells at a chondral wound site. <i>Biofabrication</i> , 2016 , 8, 015019	10.5	136
63	Electrical stimulation using conductive polymer polypyrrole promotes differentiation of human neural stem cells: a biocompatible platform for translational neural tissue engineering. <i>Tissue Engineering - Part C: Methods</i> , 2015 , 21, 385-93	2.9	122
62	A conducting-polymer platform with biodegradable fibers for stimulation and guidance of axonal growth. <i>Advanced Materials</i> , 2009 , 21, 4393-7	24	121
61	Handheld Co-Axial Bioprinting: Application to in situ surgical cartilage repair. <i>Scientific Reports</i> , 2017 , 7, 5837	4.9	109
60	In vivo and in vitro correction of the mdx dystrophin gene nonsense mutation by short-fragment homologous replacement. <i>Human Gene Therapy</i> , 2001 , 12, 629-42	4.8	79
59	Chondrogenesis of infrapatellar fat pad derived adipose stem cells in 3D printed chitosan scaffold. <i>PLoS ONE</i> , 2014 , 9, e99410	3.7	78
58	Tailoring the mechanical properties of gelatin methacryloyl hydrogels through manipulation of the photocrosslinking conditions. <i>Soft Matter</i> , 2018 , 14, 2142-2151	3.6	76
57	Mitochondrial respiratory chain activity in idiopathic dilated cardiomyopathy. <i>Journal of Cardiac Failure</i> , 2000 , 6, 47-55	3.3	70
56	Electrical stimulation of myoblast proliferation and differentiation on aligned nanostructured conductive polymer platforms. <i>Advanced Healthcare Materials</i> , 2012 , 1, 801-8	10.1	55
55	Wet-Spun Biodegradable Fibers on Conducting Platforms: Novel Architectures for Muscle Regeneration. <i>Advanced Functional Materials</i> , 2009 , 19, 3381-3388	15.6	49
54	Varied prevalence of age-associated mitochondrial DNA deletions in different species and tissues: a comparison between human and rat. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 230, 630-5	3.4	41
53	Recent advances in nerve tissue engineering. <i>International Journal of Artificial Organs</i> , 2014 , 37, 277-91	1.9	40
52	Mitochondrial DNA in stroke and migraine with aura. <i>Cerebrovascular Diseases</i> , 1998 , 8, 102-6	3.2	31
51	Preparation, characterisation, and in vitro evaluation of electrically conducting poly(e-caprolactone)-based nanocomposite scaffolds using PC12 cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 853-65	5.4	30
50	Pre-differentiation of human neural stem cells into GABAergic neurons prior to transplant results in greater repopulation of the damaged brain and accelerates functional recovery after transient ischemic stroke. <i>Stem Cell Research and Therapy</i> , 2015 , 6, 186	8.3	30
49	Antifouling Strategies for Electrochemical Biosensing: Mechanisms and Performance toward Point of Care Based Diagnostic Applications. <i>ACS Sensors</i> , 2021 , 6, 1482-1507	9.2	28

48	Evaluation of sterilisation methods for bio-ink components: gelatin, gelatin methacryloyl, hyaluronic acid and hyaluronic acid methacryloyl. <i>Biofabrication</i> , 2019 , 11, 035003	10.5	24
47	Differentiation of stem cells from human infrapatellar fat pad: characterization of cells undergoing chondrogenesis. <i>Tissue Engineering - Part A</i> , 2014 , 20, 2213-23	3.9	22
46	Three-dimensional neural cultures produce networks that mimic native brain activity. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 490-493	4.4	20
45	Effective detection of corrected dystrophin loci in mdx mouse myogenic precursors. <i>Human Mutation</i> , 2007 , 28, 816-23	4.7	19
44	Combination of agrin and laminin increase acetylcholine receptor clustering and enhance functional neuromuscular junction formation In vitro. <i>Developmental Neurobiology</i> , 2016 , 76, 551-65	3.2	18
43	Lubricin on Platinum Electrodes: A Low-Impedance Protein-Resistant Surface Towards Biomedical Implantation. <i>ChemElectroChem</i> , 2019 , 6, 1939-1943	4.3	15
42	DNA electroporation in vivo targets mature fibres in dystrophic mdx muscle. <i>Neuromuscular Disorders</i> , 2005 , 15, 630-41	2.9	14
41	Engineering skeletal muscle - from two to three dimensions. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e1-e6	4.4	13
40	In vitro growth and differentiation of primary myoblasts on thiophene based conducting polymers. <i>Biomaterials Science</i> , 2013 , 1, 983-995	7.4	13
39	Evaluation of Sca-1 and c-Kit as selective markers for muscle remodelling by nonhemopoietic bone marrow cells. <i>Stem Cells</i> , 2007 , 25, 1364-74	5.8	13
38	Fabrication of a Biocompatible Liquid Crystal Graphene Oxide-Gold Nanorods Electro- and Photoactive Interface for Cell Stimulation. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801321	10.1	12
37	Tuneable Hybrid Hydrogels via Complementary Self-Assembly of a Bioactive Peptide with a Robust Polysaccharide. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 3340-3350	5.5	11
36	Adhesion and Self-Assembly of Lubricin (PRG4) Brush Layers on Different Substrate Surfaces. <i>Langmuir</i> , 2019 , 35, 15834-15848	4	9
35	Wet-Spun Trojan Horse Cell Constructs for Engineering Muscle. <i>Frontiers in Chemistry</i> , 2020 , 8, 18	5	8
34	Lubricin (PRG4) reduces fouling susceptibility and improves sensitivity of carbon-based electrodes. <i>Electrochimica Acta</i> , 2020 , 333, 135574	6.7	8
33	Nanocomposite-Coated Silk-Based Artificial Conduits: The Influence of Structures on Regeneration of the Peripheral Nerve.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 4454-4464	4.1	7
32	A Simple Electrochemical Swab Assay for the Rapid Quantification of Clonazepam in Unprocessed Saliva Enabled by Lubricin Antifouling Coatings. <i>ChemElectroChem</i> , 2020 , 7, 2851-2858	4.3	7
31	3D Bioprinting and Differentiation of Primary Skeletal Muscle Progenitor Cells. <i>Methods in Molecular Biology</i> , 2020 , 2140, 229-242	1.4	7

30	In vivo biocompatibility of porous and non-porous polypyrrole based trilayered actuators. <i>Journal of Materials Science: Materials in Medicine</i> , 2017 , 28, 172	4.5	6
29	A novel clinical phenotype of myopathy, sensorimotor neuropathy, infertility, and hypogonadism with multiple mitochondrial DNA deletions. <i>Journal of Clinical Neuromuscular Disease</i> , 2001 , 3, 77-82	1.1	6
28	Enhanced Electroactivity, Mechanical Properties, and Printability through the Addition of Graphene Oxide to Photo-Cross-linkable Gelatin Methacryloyl Hydrogel. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 2279-2295	5.5	6
27	Printing between the Lines: Intricate Biomaterial Structures Fabricated via Negative Embodied Sacrificial Template 3D (NEST3D) Printing. <i>Advanced Materials Technologies</i> , 2021 , 6, 2100189	6.8	5
26	Automated quantification of neurite outgrowth orientation distributions on patterned surfaces. <i>Journal of Neural Engineering</i> , 2014 , 11, 046006	5	4
25	The polymerase chain reaction in the study of mitochondrial genetics. <i>Journal of Proteomics</i> , 1997 , 36, 31-50		4
24	Enhancing Peptide Biomaterials for Biofabrication. <i>Polymers</i> , 2021 , 13,	4.5	4
23	Replace and repair: Biomimetic bioprinting for effective muscle engineering. <i>APL Bioengineering</i> , 2021 , 5, 031502	6.6	4
22	Cell compatible encapsulation of filaments into 3D hydrogels. <i>Biofabrication</i> , 2016 , 8, 025013	10.5	3
21	Abnormalities of mitochondrial dynamics and bioenergetics in neuronal cells from CDKL5 deficiency disorder. <i>Neurobiology of Disease</i> , 2021 , 155, 105370	7.5	3
20	From nanoparticles to fibres: effect of dispersion composition on fibre properties. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	2
19	Matured Myofibers in Bioprinted Constructs with In Vivo Vascularization and Innervation. <i>Gels</i> , 2021 , 7,	4.2	2
18	Lubricin (PRG4) Antiadhesive Coatings Mitigate Electrochemical Impedance Instabilities in Polypyrrole Bionic Electrodes Exposed to Fouling Fluids.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 8032-8039	4.1	2
17	Self-Assembly of Lubricin (PRG-4) Brushes on Graphene Oxide Affords Stable 2D-Nanosheets in Concentrated Electrolytes and Complex Fluids. <i>ACS Applied Nano Materials</i> , 2020 , 3, 11527-11542	5.6	2
16	Shining a light on the hidden structure of gelatin methacryloyl bioinks using small-angle X-ray scattering (SAXS). <i>Materials Chemistry Frontiers</i> ,	7.8	2
15	Microencapsulation of growth factors by microfluidic system. <i>MethodsX</i> , 2021 , 8, 101324	1.9	2
14	Biodesigned bioinks for 3D printing via divalent crosslinking of self-assembled peptide-polysaccharide hybrids. <i>Materials Today Advances</i> , 2022 , 14, 100243	7.4	2
13	Traction of 3D and 4D Printing in the Healthcare Industry: From Drug Delivery and Analysis to Regenerative Medicine. <i>ACS Biomaterials Science and Engineering</i> ,	5.5	2

12	Therapeutic DNA Delivery to Skeletal Muscle. <i>Current Genomics</i> , 2006 , 7, 179-190	2.6	1
11	Hybrid Self-Assembling Peptide/Gelatin Methacrylate (GelMA) Bioink Blend for Improved Bioprintability and Primary Myoblast Response. <i>Advanced NanoBiomed Research</i> , 2100106	0	1
10	Electroporation of corrective nucleic acids (CNA) in vivo to promote gene correction in dystrophic muscle. <i>Methods in Molecular Biology</i> , 2008 , 423, 405-19	1.4	1
9	Lubricin as a tool for controlling adhesion in vivo and ex vivo. <i>Biointerphases</i> , 2021 , 16, 020802	1.8	1
8	Cellular Interactions with Lubricin and Hyaluronic Acid-Lubricin Composite Coatings on Gold Electrodes in Passive and Electrically Stimulated Environments. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 3696-3708	5.5	1
7	Towards bioengineered skeletal muscle: recent developments in vitro and in vivo. <i>Essays in Biochemistry</i> , 2021 , 65, 555-567	7.6	1
6	The One-Stop Gyrification Station - Challenges and New Technologies. <i>Progress in Neurobiology</i> , 2021 , 204, 102111	10.9	1
5	Potential Pulse-Facilitated Active Adsorption of Lubricin Polymer Brushes Can Both Accelerate Self-Assembly and Control Grafting Density. <i>Langmuir</i> , 2021 , 37, 11188-11193	4	0
4	Electrical Cell Stimulation: Fabrication of a Biocompatible Liquid Crystal Graphene Oxide/Gold Nanorods Electro- and Photoactive Interface for Cell Stimulation (Adv. Healthcare Mater. 9/2019). <i>Advanced Healthcare Materials</i> , 2019 , 8, 1970036	10.1	
3	Can the WetState Conductivity of Hydrogels be Improved by Incorporation of Spherical Conducting Nanoparticles?. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1717, 1		
2	Myo-regenerative Scaffolds: Electrical Stimulation of Myoblast Proliferation and Differentiation on Aligned Nanostructured Conductive Polymer Platforms (Adv. Healthcare Mater. 6/2012). <i>Advanced Healthcare Materials</i> , 2012 , 1, 815-815	10.1	
1	Electrical stimulation of cells derived from muscle 2018 , 297-322		