Anita F Quigley

List of Publications by Year in Descending Order

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	Biodesigned bioinks for 3D printing via divalent crosslinking of self-assembled peptide-polysaccharide hybrids. *Materials Today Advances*, **2022**, 14, 100243	7.4	2
64	Matured Myofibers in Bioprinted Constructs with In Vivo Vascularization and Innervation. *Gels*, **2021**, 7,	4.2	2
63	Antifouling Strategies for Electrochemical Biosensing: Mechanisms and Performance toward Point of Care Based Diagnostic Applications. *ACS Sensors*, **2021**, 6, 1482-1507	9.2	28
62	Enhanced Electroactivity, Mechanical Properties, and Printability through the Addition of Graphene Oxide to Photo-Cross-linkable Gelatin Methacryloyl Hydrogel. *ACS Biomaterials Science and Engineering*, **2021**, 7, 2279-2295	5.5	6
61	Printing between the Lines: Intricate Biomaterial Structures Fabricated via Negative Embodied Sacrificial Template 3D (NEST3D) Printing. *Advanced Materials Technologies*, **2021**, 6, 2100189	6.8	5
60	Tuneable Hybrid Hydrogels via Complementary Self-Assembly of a Bioactive Peptide with a Robust Polysaccharide. *ACS Biomaterials Science and Engineering*, **2021**, 7, 3340-3350	5.5	11
59	Abnormalities of mitochondrial dynamics and bioenergetics in neuronal cells from CDKL5 deficiency disorder. *Neurobiology of Disease*, **2021**, 155, 105370	7.5	3
58	Lubricin as a tool for controlling adhesion in vivo and ex vivo. *Biointerphases*, **2021**, 16, 020802	1.8	1
57	Cellular Interactions with Lubricin and Hyaluronic Acid-Lubricin Composite Coatings on Gold Electrodes in Passive and Electrically Stimulated Environments. *ACS Biomaterials Science and Engineering*, **2021**, 7, 3696-3708	5.5	1
56	Towards bioengineered skeletal muscle: recent developments in vitro and in vivo. *Essays in Biochemistry*, **2021**, 65, 555-567	7.6	1
55	Enhancing Peptide Biomaterials for Biofabrication. *Polymers*, **2021**, 13,	4.5	4
54	Potential Pulse-Facilitated Active Adsorption of Lubricin Polymer Brushes Can Both Accelerate Self-Assembly and Control Grafting Density. *Langmuir*, **2021**, 37, 11188-11193	4	0
53	Replace and repair: Biomimetic bioprinting for effective muscle engineering. *APL Bioengineering*, **2021**, 5, 031502	6.6	4
52	The One-Stop Gyrification Station - Challenges and New Technologies. *Progress in Neurobiology*, **2021**, 204, 102111	10.9	1
51	Microencapsulation of growth factors by microfluidic system. *MethodsX*, **2021**, 8, 101324	1.9	2
50	Nanocomposite-Coated Silk-Based Artificial Conduits: The Influence of Structures on Regeneration of the Peripheral Nerve.. *ACS Applied Bio Materials*, **2020**, 3, 4454-4464	4.1	7
49	Wet-Spun Trojan Horse Cell Constructs for Engineering Muscle. *Frontiers in Chemistry*, **2020**, 8, 18	5	8

48	Lubricin (PRG4) Antiadhesive Coatings Mitigate Electrochemical Impedance Instabilities in Polypyrrole Bionic Electrodes Exposed to Fouling Fluids.. *ACS Applied Bio Materials*, **2020**, 3, 8032-8039	4.1	2
47	Lubricin (PRG4) reduces fouling susceptibility and improves sensitivity of carbon-based electrodes. *Electrochimica Acta*, **2020**, 333, 135574	6.7	8
46	Self-Assembly of Lubricin (PRG-4) Brushes on Graphene Oxide Affords Stable 2D-Nanosheets in Concentrated Electrolytes and Complex Fluids. *ACS Applied Nano Materials*, **2020**, 3, 11527-11542	5.6	2
45	A Simple Electrochemical Swab Assay for the Rapid Quantification of Clonazepam in Unprocessed Saliva Enabled by Lubricin Antifouling Coatings. *ChemElectroChem*, **2020**, 7, 2851-2858	4.3	7
44	3D Bioprinting and Differentiation of Primary Skeletal Muscle Progenitor Cells. *Methods in Molecular Biology*, **2020**, 2140, 229-242	1.4	7
43	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). *Advanced Healthcare Materials*, **2019**, 8, 1970036	10.1	
42	Fabrication of a Biocompatible Liquid Crystal Graphene Oxide-Gold Nanorods Electro- and Photoactive Interface for Cell Stimulation. *Advanced Healthcare Materials*, **2019**, 8, e1801321	10.1	12
41	Evaluation of sterilisation methods for bio-ink components: gelatin, gelatin methacryloyl, hyaluronic acid and hyaluronic acid methacryloyl. *Biofabrication*, **2019**, 11, 035003	10.5	24
40	Lubricin on Platinum Electrodes: A Low-Impedance Protein-Resistant Surface Towards Biomedical Implantation. *ChemElectroChem*, **2019**, 6, 1939-1943	4.3	15
39	Adhesion and Self-Assembly of Lubricin (PRG4) Brush Layers on Different Substrate Surfaces. *Langmuir*, **2019**, 35, 15834-15848	4	9
38	Tailoring the mechanical properties of gelatin methacryloyl hydrogels through manipulation of the photocrosslinking conditions. *Soft Matter*, **2018**, 14, 2142-2151	3.6	76
37	Engineering skeletal muscle - from two to three dimensions. *Journal of Tissue Engineering and Regenerative Medicine*, **2018**, 12, e1-e6	4.4	13
36	Three-dimensional neural cultures produce networks that mimic native brain activity. *Journal of Tissue Engineering and Regenerative Medicine*, **2018**, 12, 490-493	4.4	20
35	Electrical stimulation of cells derived from muscle **2018**, 297-322		
34	In vivo biocompatibility of porous and non-porous polypyrrole based trilayered actuators. *Journal of Materials Science: Materials in Medicine*, **2017**, 28, 172	4.5	6
33	Handheld Co-Axial Bioprinting: Application to in situ surgical cartilage repair. *Scientific Reports*, **2017**, 7, 5837	4.9	109
32	Cell compatible encapsulation of filaments into 3D hydrogels. *Biofabrication*, **2016**, 8, 025013	10.5	3
31	Preparation, characterisation, and in vitro evaluation of electrically conducting poly(e-caprolactone)-based nanocomposite scaffolds using PC12 cells. *Journal of Biomedical Materials Research - Part A*, **2016**, 104, 853-65	5.4	30

30	Development of the Biopen: a handheld device for surgical printing of adipose stem cells at a chondral wound site. *Biofabrication*, **2016**, 8, 015019	10.5	136
29	Combination of agrin and laminin increase acetylcholine receptor clustering and enhance functional neuromuscular junction formation In vitro. *Developmental Neurobiology*, **2016**, 76, 551-65	3.2	18
28	Electrical stimulation using conductive polymer polypyrrole promotes differentiation of human neural stem cells: a biocompatible platform for translational neural tissue engineering. *Tissue Engineering - Part C: Methods*, **2015**, 21, 385-93	2.9	122
27	From nanoparticles to fibres: effect of dispersion composition on fibre properties. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	2
26	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. *Stem Cell Research and Therapy*, **2015**, 6, 186	8.3	30
25	Differentiation of stem cells from human infrapatellar fat pad: characterization of cells undergoing chondrogenesis. *Tissue Engineering - Part A*, **2014**, 20, 2213-23	3.9	22
24	Recent advances in nerve tissue engineering. *International Journal of Artificial Organs*, **2014**, 37, 277-91	1.9	40
23	Chondrogenesis of infrapatellar fat pad derived adipose stem cells in 3D printed chitosan scaffold. *PLoS ONE*, **2014**, 9, e99410	3.7	78
22	Automated quantification of neurite outgrowth orientation distributions on patterned surfaces. *Journal of Neural Engineering*, **2014**, 11, 046006	5	4
21	Can the Wet‐State Conductivity of Hydrogels be Improved by Incorporation of Spherical Conducting Nanoparticles?. *Materials Research Society Symposia Proceedings*, **2014**, 1717, 1		
20	In vitro growth and differentiation of primary myoblasts on thiophene based conducting polymers. *Biomaterials Science*, **2013**, 1, 983-995	7.4	13
19	Bio-ink properties and printability for extrusion printing living cells. *Biomaterials Science*, **2013**, 1, 763-773	7.4	371
18	Electrical stimulation of myoblast proliferation and differentiation on aligned nanostructured conductive polymer platforms. *Advanced Healthcare Materials*, **2012**, 1, 801-8	10.1	55
17	Myo-regenerative Scaffolds: Electrical Stimulation of Myoblast Proliferation and Differentiation on Aligned Nanostructured Conductive Polymer Platforms (Adv. Healthcare Mater. 6/2012). *Advanced Healthcare Materials*, **2012**, 1, 815-815	10.1	
16	Wet-Spun Biodegradable Fibers on Conducting Platforms: Novel Architectures for Muscle Regeneration. *Advanced Functional Materials*, **2009**, 19, 3381-3388	15.6	49
15	A conducting-polymer platform with biodegradable fibers for stimulation and guidance of axonal growth. *Advanced Materials*, **2009**, 21, 4393-7	24	121
14	Electroporation of corrective nucleic acids (CNA) in vivo to promote gene correction in dystrophic muscle. *Methods in Molecular Biology*, **2008**, 423, 405-19	1.4	1
13	Evaluation of Sca-1 and c-Kit as selective markers for muscle remodelling by nonhemopoietic bone marrow cells. *Stem Cells*, **2007**, 25, 1364-74	5.8	13

12	Effective detection of corrected dystrophin loci in mdx mouse myogenic precursors. *Human Mutation*, **2007**, 28, 816-23	4.7	19
11	Therapeutic DNA Delivery to Skeletal Muscle. *Current Genomics*, **2006**, 7, 179-190	2.6	1
10	DNA electroporation in vivo targets mature fibres in dystrophic mdx muscle. *Neuromuscular Disorders*, **2005**, 15, 630-41	2.9	14
9	In vivo and in vitro correction of the mdx dystrophin gene nonsense mutation by short-fragment homologous replacement. *Human Gene Therapy*, **2001**, 12, 629-42	4.8	79
8	A novel clinical phenotype of myopathy, sensorimotor neuropathy, infertility, and hypogonadism with multiple mitochondrial DNA deletions. *Journal of Clinical Neuromuscular Disease*, **2001**, 3, 77-82	1.1	6
7	Mitochondrial respiratory chain activity in idiopathic dilated cardiomyopathy. *Journal of Cardiac Failure*, **2000**, 6, 47-55	3.3	70
6	Mitochondrial DNA in stroke and migraine with aura. *Cerebrovascular Diseases*, **1998**, 8, 102-6	3.2	31
5	Varied prevalence of age-associated mitochondrial DNA deletions in different species and tissues: a comparison between human and rat. *Biochemical and Biophysical Research Communications*, **1997**, 230, 630-5	3.4	41
4	The polymerase chain reaction in the study of mitochondrial genetics. *Journal of Proteomics*, **1997**, 36, 31-50		4
3	Hybrid Self-Assembling Peptide/Gelatin Methacrylate (GelMA) Bioink Blend for Improved Bioprintability and Primary Myoblast Response. *Advanced NanoBiomed Research*,2100106	0	1
2	Shining a light on the hidden structure of gelatin methacryloyl bioinks using small-angle X-ray scattering (SAXS). *Materials Chemistry Frontiers*,	7.8	2
1	Traction of 3D and 4D Printing in the Healthcare Industry: From Drug Delivery and Analysis to Regenerative Medicine. *ACS Biomaterials Science and Engineering*,	5.5	2