

# Roberto Portillo-Lara

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

1,870  
citations

471509

17  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

3037  
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of physicochemical properties on the processibility of conducting polymers: A bioelectronics perspective. <i>Acta Biomaterialia</i> , 2022, 139, 259-279.	8.3	18
2	Mind the gap: State-of-the-art technologies and applications for EEG-based brain-computer interfaces. <i>APL Bioengineering</i> , 2021, 5, 031507.	6.2	28
3	Adaptive biomimicry: design of neural interfaces with enhanced biointegration. <i>Current Opinion in Biotechnology</i> , 2021, 72, 62-68.	6.6	6
4	Synthesis and characterization of osteoinductive visible light-activated adhesive composites with antimicrobial properties. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 66-81.	2.7	30
5	Gelatin Methacryloyl Bioadhesive Improves Survival and Reduces Scar Burden in a Mouse Model of Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2020, 9, e014199.	3.7	16
6	Biomimetic cardiovascular platforms for in vitro disease modeling and therapeutic validation. <i>Biomaterials</i> , 2019, 198, 78-94.	11.4	24
7	Local Immunomodulation Using an Adhesive Hydrogel Loaded with miRNA-laden Nanoparticles Promotes Wound Healing. <i>Small</i> , 2019, 15, e1902232.	10.0	197
8	An Antimicrobial Dental Light Curable Bioadhesive Hydrogel for Treatment of Peri-Implant Diseases. <i>Matter</i> , 2019, 1, 926-944.	10.0	90
9	Engineering a naturally-derived adhesive and conductive cardiopatch. <i>Biomaterials</i> , 2019, 207, 89-101.	11.4	93
10	Rational design of microfabricated electroconductive hydrogels for biomedical applications. <i>Progress in Polymer Science</i> , 2019, 92, 135-157.	24.7	138
11	Engineering Adhesive and Antimicrobial Hyaluronic Acid/Elastin-like Polypeptide Hybrid Hydrogels for Tissue Engineering Applications. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2528-2540.	5.2	102
12	Photocrosslinkable Gelatin/Tropoelastin Hydrogel Adhesives for Peripheral Nerve Repair. <i>Tissue Engineering - Part A</i> , 2018, 24, 1393-1405.	3.1	80
13	Interpenetrating network gelatin methacryloyl (GelMA) and pectin-g-PCL hydrogels with tunable properties for tissue engineering. <i>Biomaterials Science</i> , 2018, 6, 2938-2950.	5.4	83
14	Engineering a sprayable and elastic hydrogel adhesive with antimicrobial properties for wound healing. <i>Biomaterials</i> , 2017, 139, 229-243.	11.4	417
15	Peptide-Conjugated Nano-Drug Delivery System to Improve Synergistic Molecular Chemotherapy for Colon Carcinoma. <i>ChemistrySelect</i> , 2017, 2, 8524-8534.	1.5	7
16	In vitro and in vivo analysis of visible light crosslinkable gelatin methacryloyl (GelMA) hydrogels. <i>Biomaterials Science</i> , 2017, 5, 2093-2105.	5.4	218
17	Engineering Biodegradable and Biocompatible Bio-ionic Liquid Conjugated Hydrogels with Tunable Conductivity and Mechanical Properties. <i>Scientific Reports</i> , 2017, 7, 4345.	3.3	103
18	Microengineered cancer-on-a-chip platforms to study the metastatic microenvironment. <i>Lab on A Chip</i> , 2016, 16, 4063-4081.	6.0	100

#	ARTICLE	IF	CITATIONS
19	Supercritical CO <sub>2</sub> Foaming of Thermoplastic Materials Derived from Maize: Proof-of-Concept Use in Mammalian Cell Culture Applications. PLoS ONE, 2015, 10, e0122489.	2.5	6
20	Enrichment of the Cancer Stem Phenotype in Sphere Cultures of Prostate Cancer Cell Lines Occurs through Activation of Developmental Pathways Mediated by the Transcriptional Regulator Np63. PLoS ONE, 2015, 10, e0130118.	2.5	31
21	Specific Recognition of Influenza A/H1N1/2009 Antibodies in Human Serum: A Simple Virus-Free ELISA Method. PLoS ONE, 2010, 5, e10176.	2.5	35
22	An Influenza A/H1N1/2009 Hemagglutinin Vaccine Produced in Escherichia coli. PLoS ONE, 2010, 5, e11694.	2.5	48