

# Antonio Lauto

## 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.

56  
papers

1,258  
citations

22  
h-index

33  
g-index

65  
ext. papers

1,488  
ext. citations

5.5  
avg, IF

4.36  
L-index

#	Paper	IF	Citations
56	A conducting polymer with enhanced electronic stability applied in cardiac models. <i>Science Advances</i> , <b>2016</b> , 2, e1601007	14.3	131
55	Diode-pumped fiber lasers: a new clinical tool?. <i>Lasers in Surgery and Medicine</i> , <b>2002</b> , 30, 184-90	3.6	98
54	Adhesive biomaterials for tissue reconstruction. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2008</b> , 83, 464-472	3.5	96
53	Electroconductive Hydrogel Based on Functional Poly(Ethylenedioxy Thiophene). <i>Chemistry of Materials</i> , <b>2016</b> , 28, 6080-6088	9.6	81
52	Chitosan adhesive for laser tissue repair: in vitro characterization. <i>Lasers in Surgery and Medicine</i> , <b>2005</b> , 36, 193-201	3.6	48
51	Photochemical tissue bonding with chitosan adhesive films. <i>BioMedical Engineering OnLine</i> , <b>2010</b> , 9, 47	4.1	39
50	Sutureless nerve repair with laser-activated chitosan adhesive: a pilot in vivo study. <i>Photomedicine and Laser Surgery</i> , <b>2008</b> , 26, 227-34		39
49	Nerve repair: toward a sutureless approach. <i>Neurosurgical Review</i> , <b>2014</b> , 37, 585-95	3.9	37
48	Laser-activated solid protein bands for peripheral nerve repair: an vivo study. <i>Lasers in Surgery and Medicine</i> , <b>1997</b> , 21, 134-41	3.6	35
47	Self-expandable chitosan stent: design and preparation. <i>Biomaterials</i> , <b>2001</b> , 22, 1869-74	15.6	34
46	Conductive Polymer Hydrogels. <i>Springer Series on Polymer and Composite Materials</i> , <b>2016</b> , 19-44	0.9	33
45	Gecko-inspired chitosan adhesive for tissue repair. <i>NPG Asia Materials</i> , <b>2016</b> , 8, e280-e280	10.3	32
44	Bone marrow segmentation in leukemia using diffusion and T (2) weighted echo planar magnetic resonance imaging. <i>NMR in Biomedicine</i> , <b>2000</b> , 13, 321-8	4.4	31
43	Lysozyme depolymerization of photo-activated chitosan adhesive films. <i>Carbohydrate Polymers</i> , <b>2015</b> , 121, 56-63	10.3	28
42	Laser-activated adhesive films for sutureless median nerve anastomosis. <i>Journal of Biophotonics</i> , <b>2013</b> , 6, 938-49	3.1	26
41	An in vitro study of the photodynamic effect of rose bengal on <i>Trichophyton rubrum</i> . <i>Journal of Biophotonics</i> , <b>2014</b> , 7, 410-7	3.1	25
40	Photodynamic therapy with nanoparticles to combat microbial infection and resistance. <i>Nanoscale</i> , <b>2020</b> , 12, 21034-21059	7.7	25

39	Advances in hydrogels applied to degenerative diseases. <i>Current Pharmaceutical Design</i> , <b>2012</b> , 18, 2558-75	3.5	24
38	Tissue repair strength using chitosan adhesives with different physical-chemical characteristics. <i>Journal of Biophotonics</i> , <b>2014</b> , 7, 948-55	3.1	22
37	Separation of chitosan by degree of acetylation using simple free solution capillary electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 6873-7	4.4	22
36	Versatile Fabrication Approach of Conductive Hydrogels via Copolymerization with Vinyl Monomers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 44124-44133	9.5	22
35	Long term recovery of median nerve repair using laser-activated chitosan adhesive films. <i>Journal of Biophotonics</i> , <b>2015</b> , 8, 196-207	3.1	21
34	A flexible polyaniline-based bioelectronic patch. <i>Biomaterials Science</i> , <b>2018</b> , 6, 493-500	7.4	20
33	Micro- and Nanostructured Biomaterials for Sutureless Tissue Repair. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 401-14	10.1	20
32	In vitro cell compatibility study of rose bengal-chitosan adhesives. <i>Lasers in Surgery and Medicine</i> , <b>2012</b> , 44, 762-8	3.6	18
31	Single-Material OECT-Based Flexible Complementary Circuits Featuring Polyaniline in Both Conducting Channels. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007205	15.6	16
30	Porous Chitosan Films Support Stem Cells and Facilitate Sutureless Tissue Repair. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 32613-32622	9.5	15
29	BioPEGylation of polyhydroxyalkanoates: influence on properties and satellite-stem cell cycle. <i>Biomacromolecules</i> , <b>2008</b> , 9, 2719-26	6.9	15
28	Drug-delivery study and estimation of polymer-solvent interaction parameter for bisacrylate ester-modified Pluronic hydrogels. <i>International Journal of Pharmaceutics</i> , <b>2008</b> , 360, 231-5	6.5	15
27	Sensory perturbations using suture and sutureless repair of transected median nerve in rats. <i>Somatosensory &amp; Motor Research</i> , <b>2016</b> , 33, 20-8	1.2	14
26	Porous chitosan adhesives with L-DOPA for enhanced photochemical tissue bonding. <i>Acta Biomaterialia</i> , <b>2020</b> , 101, 314-326	10.8	13
25	An investigation into the inhibitory effect of ultraviolet radiation on <i>Trichophyton rubrum</i> . <i>Lasers in Medical Science</i> , <b>2014</b> , 29, 157-63	3.1	12
24	Laser-assisted demucosalized gastrocystoplasty with autoaugmentation in a canine model. <i>Urology</i> , <b>2000</b> , 55, 437-42	1.6	12
23	All-Organic Semiconductors for Electrochemical Biosensors: An Overview of Recent Progress in Material Design. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2019</b> , 7, 237	5.8	11
22	Synthesis and characterization of novel radiopaque poly(allyl amine) nanoparticles. <i>Nanotechnology</i> , <b>2010</b> , 21, 335603	3.4	11

21	Integration of extracellular matrix with chitosan adhesive film for sutureless tissue fixation. <i>Lasers in Surgery and Medicine</i> , <b>2009</b> , 41, 366-71	3.6	11
20	Fabrication and application of rose bengal-chitosan films in laser tissue repair. <i>Journal of Visualized Experiments</i> , <b>2012</b> ,	1.6	11
19	Light treatments of nail fungal infections. <i>Journal of Biophotonics</i> , <b>2018</b> , 11, e201700350	3.1	11
18	Porous and sutureless bioelectronic patch with retained electronic properties under cyclic stretching. <i>Applied Materials Today</i> , <b>2019</b> , 15, 315-322	6.6	9
17	Stimulation and Repair of Peripheral Nerves Using Bioadhesive Graft-Antenna. <i>Advanced Science</i> , <b>2019</b> , 6, 1801212	13.6	7
16	Characterisation of a novel light activated adhesive scaffold: Potential for device attachment. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2016</b> , 62, 433-445	4.1	6
15	Semitransparent bandages based on chitosan and extracellular matrix for photochemical tissue bonding. <i>BioMedical Engineering OnLine</i> , <b>2018</b> , 17, 7	4.1	5
14	Effect of laser welding with human serum albumin on the expression of P-selectin on platelets. <i>Lasers in Surgery and Medicine</i> , <b>1999</b> , 25, 438-44	3.6	5
13	Genetic Tolerance to Rose Bengal Photodynamic Therapy and Antifungal Clinical Application for Onychomycosis. <i>Advanced Therapeutics</i> , <b>2019</b> , 2, 1800105	4.9	5
12	A conjugated polymer-liposome complex: A contiguous water-stable, electronic, and optical interface. <i>View</i> , <b>2021</b> , 2, 20200081	7.8	5
11	Effective photodynamic treatment of Trichophyton species with Rose Bengal. <i>Journal of Biophotonics</i> , <b>2021</b> , 14, e202000340	3.1	3
10	Laser-activated protein bands for peripheral nerve repair <b>1996</b> ,		2
9	Laser-activated protein solder for peripheral nerve repair <b>1995</b> , 2395, 542		2
8	Molecular design of an electropolymerized copolymer with carboxylic and sulfonic acid functionalities. <i>Synthetic Metals</i> , <b>2022</b> , 285, 117029	3.6	2
7	A Phosphonated Poly(ethylenedioxythiophene) Derivative with Low Oxidation Potential for Energy-Efficient Bioelectronic Devices. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 140-151	9.6	2
6	A One Step Procedure toward Conductive Suspensions of Liposome-Polyaniline Complexes. <i>Macromolecular Bioscience</i> , <b>2020</b> , 20, e2000103	5.5	1
5	Low-temperature solder for laser tissue welding <b>2003</b> ,		1
4	ASSESSMENT OF THE DEGRADATION OF DENATURED ALBUMIN SOLDER BY HUMAN URINE. <i>Journal of Urology</i> , <b>2000</b> , 163, 634-637	2.5	1

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|---|--|-------|
| 3 | Laser solder repair technique for nerve anastomosis: temperatures required for optimal tensile strength <b>1998</b> ,                        | 1     |
| 2 | A genome-wide screen for tolerance to rose bengal photodynamic therapy and its use in onychomycosis treatment <b>2019</b> ,                  | 1     |
| 1 | Impact of Sterilization on a Conjugated Polymer-Based Bioelectronic Patch. <i>ACS Applied Polymer Materials</i> , <b>2021</b> , 3, 2541-2552 | 4-3 1 |