Antonio Lauto

List of Publications by Year in Descending Order

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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	Molecular design of an electropolymerized copolymer with carboxylic and sulfonic acid functionalities. *Synthetic Metals*, **2022**, 285, 117029	3.6	2
55	A Phosphonated Poly(ethylenedioxythiophene) Derivative with Low Oxidation Potential for Energy-Efficient Bioelectronic Devices. *Chemistry of Materials*, **2022**, 34, 140-151	9.6	2
54	Impact of Sterilization on a Conjugated Polymer-Based Bioelectronic Patch. *ACS Applied Polymer Materials*, **2021**, 3, 2541-2552	4.3	1
53	Effective photodynamic treatment of Trichophyton species with Rose Bengal. *Journal of Biophotonics*, **2021**, 14, e202000340	3.1	3
52	Single-Material OECT-Based Flexible Complementary Circuits Featuring Polyaniline in Both Conducting Channels. *Advanced Functional Materials*, **2021**, 31, 2007205	15.6	16
51	A conjugated polymer-liposome complex: A contiguous water-stable, electronic, and optical interface. *View*, **2021**, 2, 20200081	7.8	5
50	A One Step Procedure toward Conductive Suspensions of Liposome-Polyaniline Complexes. *Macromolecular Bioscience*, **2020**, 20, e2000103	5.5	1
49	Porous chitosan adhesives with L-DOPA for enhanced photochemical tissue bonding. *Acta Biomaterialia*, **2020**, 101, 314-326	10.8	13
48	Photodynamic therapy with nanoparticles to combat microbial infection and resistance. *Nanoscale*, **2020**, 12, 21034-21059	7.7	25
47	Stimulation and Repair of Peripheral Nerves Using Bioadhesive Graft-Antenna. *Advanced Science*, **2019**, 6, 1801212	13.6	7
46	Porous and sutureless bioelectronic patch with retained electronic properties under cyclic stretching. *Applied Materials Today*, **2019**, 15, 315-322	6.6	9
45	Porous Chitosan Films Support Stem Cells and Facilitate Sutureless Tissue Repair. *ACS Applied Materials & Interfaces*, **2019**, 11, 32613-32622	9.5	15
44	All-Organic Semiconductors for Electrochemical Biosensors: An Overview of Recent Progress in Material Design. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 237	5.8	11
43	A genome-wide screen for tolerance to rose bengal photodynamic therapy and its use in onychomycosis treatment **2019**,		1
42	Genetic Tolerance to Rose Bengal Photodynamic Therapy and Antifungal Clinical Application for Onychomycosis. *Advanced Therapeutics*, **2019**, 2, 1800105	4.9	5
41	A flexible polyaniline-based bioelectronic patch. *Biomaterials Science*, **2018**, 6, 493-500	7.4	20
40	Semitransparent bandages based on chitosan and extracellular matrix for photochemical tissue bonding. *BioMedical Engineering OnLine*, **2018**, 17, 7	4.1	5

39	Light treatments of nail fungal infections. *Journal of Biophotonics*, **2018**, 11, e201700350	3.1	11
38	Versatile Fabrication Approach of Conductive Hydrogels via Copolymerization with Vinyl Monomers. *ACS Applied Materials & Interfaces*, **2017**, 9, 44124-44133	9.5	22
37	Electroconductive Hydrogel Based on Functional Poly(Ethylenedioxy Thiophene). *Chemistry of Materials*, **2016**, 28, 6080-6088	9.6	81
36	Gecko-inspired chitosan adhesive for tissue repair. *NPG Asia Materials*, **2016**, 8, e280-e280	10.3	32
35	Characterisation of a novel light activated adhesive scaffold: Potential for device attachment. *Journal of the Mechanical Behavior of Biomedical Materials*, **2016**, 62, 433-445	4.1	6
34	Conductive Polymer Hydrogels. *Springer Series on Polymer and Composite Materials*, **2016**, 19-44	0.9	33
33	Micro- and Nanostructured Biomaterials for Sutureless Tissue Repair. *Advanced Healthcare Materials*, **2016**, 5, 401-14	10.1	20
32	A conducting polymer with enhanced electronic stability applied in cardiac models. *Science Advances*, **2016**, 2, e1601007	14.3	131
31	Sensory perturbations using suture and sutureless repair of transected median nerve in rats. *Somatosensory & Motor Research*, **2016**, 33, 20-8	1.2	14
30	Long term recovery of median nerve repair using laser-activated chitosan adhesive films. *Journal of Biophotonics*, **2015**, 8, 196-207	3.1	21
29	Lysozyme depolymerization of photo-activated chitosan adhesive films. *Carbohydrate Polymers*, **2015**, 121, 56-63	10.3	28
28	Nerve repair: toward a sutureless approach. *Neurosurgical Review*, **2014**, 37, 585-95	3.9	37
27	Tissue repair strength using chitosan adhesives with different physical-chemical characteristics. *Journal of Biophotonics*, **2014**, 7, 948-55	3.1	22
26	An in vitro study of the photodynamic effect of rose bengal on Trichophyton rubrum. *Journal of Biophotonics*, **2014**, 7, 410-7	3.1	25
25	An investigation into the inhibitory effect of ultraviolet radiation on Trichophyton rubrum. *Lasers in Medical Science*, **2014**, 29, 157-63	3.1	12
24	Separation of chitosan by degree of acetylation using simple free solution capillary electrophoresis. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 6873-7	4.4	22
23	Laser-activated adhesive films for sutureless median nerve anastomosis. *Journal of Biophotonics*, **2013**, 6, 938-49	3.1	26
22	In vitro cell compatibility study of rose bengal-chitosan adhesives. *Lasers in Surgery and Medicine*, **2012**, 44, 762-8	3.6	18

21	Fabrication and application of rose bengal-chitosan films in laser tissue repair. *Journal of Visualized Experiments*, **2012**,	1.6	11
20	Advances in hydrogels applied to degenerative diseases. *Current Pharmaceutical Design*, **2012**, 18, 2558-75	3.3	24
19	Photochemical tissue bonding with chitosan adhesive films. *BioMedical Engineering OnLine*, **2010**, 9, 47	4.1	39
18	Synthesis and characterization of novel radiopaque poly(allyl amine) nanoparticles. *Nanotechnology* , **2010**, 21, 335603	3.4	11
17	Integration of extracellular matrix with chitosan adhesive film for sutureless tissue fixation. *Lasers in Surgery and Medicine*, **2009**, 41, 366-71	3.6	11
16	BioPEGylation of polyhydroxyalkanoates: influence on properties and satellite-stem cell cycle. *Biomacromolecules*, **2008**, 9, 2719-26	6.9	15
15	Sutureless nerve repair with laser-activated chitosan adhesive: a pilot in vivo study. *Photomedicine and Laser Surgery*, **2008**, 26, 227-34		39
14	Adhesive biomaterials for tissue reconstruction. *Journal of Chemical Technology and Biotechnology*, **2008**, 83, 464-472	3.5	96
13	Drug-delivery study and estimation of polymer-solvent interaction parameter for bisacrylate ester-modified Pluronic hydrogels. *International Journal of Pharmaceutics*, **2008**, 360, 231-5	6.5	15
12	Chitosan adhesive for laser tissue repair: in vitro characterization. *Lasers in Surgery and Medicine*, **2005**, 36, 193-201	3.6	48
11	Low-temperature solder for laser tissue welding **2003**,		1
10	Diode-pumped fiber lasers: a new clinical tool?. *Lasers in Surgery and Medicine*, **2002**, 30, 184-90	3.6	98
9	Self-expandable chitosan stent: design and preparation. *Biomaterials*, **2001**, 22, 1869-74	15.6	34
8	Bone marrow segmentation in leukemia using diffusion and T (2) weighted echo planar magnetic resonance imaging. *NMR in Biomedicine*, **2000**, 13, 321-8	4.4	31
7	Laser-assisted demucosalized gastrocystoplasty with autoaugmentation in a canine model. *Urology*, **2000**, 55, 437-42	1.6	12
6	ASSESSMENT OF THE DEGRADATION OF DENATURED ALBUMIN SOLDER BY HUMAN URINE. *Journal of Urology*, **2000**, 163, 634-637	2.5	1
5	Effect of laser welding with human serum albumin on the expression of P-selectin on platelets. *Lasers in Surgery and Medicine*, **1999**, 25, 438-44	3.6	5
4	Laser solder repair technique for nerve anastomosis: temperatures required for optimal tensile strength **1998**,		1

3	Laser-activated solid protein bands for peripheral nerve repair: an vivo study. *Lasers in Surgery and Medicine*, **1997**, 21, 134-41	3.6	35
2	Laser-activated protein bands for peripheral nerve repair **1996**,		2
1	Laser-activated protein solder for peripheral nerve repair **1995**, 2395, 542		2