

Antonio Lauto

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

1,685
citations

257101

24
h-index

301761

39
g-index

65
all docs

65
docs citations

65
times ranked

2393
citing authors

#	ARTICLE	IF	CITATIONS
1	A conducting polymer with enhanced electronic stability applied in cardiac models. <i>Science Advances</i> , 2016, 2, e1601007.	4.7	173
2	Adhesive biomaterials for tissue reconstruction. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 464-472.	1.6	119
3	Diode-pumped fiber lasers: A new clinical tool?. <i>Lasers in Surgery and Medicine</i> , 2002, 30, 184-190.	1.1	111
4	Electroconductive Hydrogel Based on Functional Poly(Ethylenedioxy Thiophene). <i>Chemistry of Materials</i> , 2016, 28, 6080-6088.	3.2	96
5	Photodynamic therapy with nanoparticles to combat microbial infection and resistance. <i>Nanoscale</i> , 2020, 12, 21034-21059.	2.8	66
6	Chitosan adhesive for laser tissue repair: In vitro characterization. <i>Lasers in Surgery and Medicine</i> , 2005, 36, 193-201.	1.1	59
7	Nerve repair: toward a sutureless approach. <i>Neurosurgical Review</i> , 2014, 37, 585-595.	1.2	53
8	Gecko-inspired chitosan adhesive for tissue repair. <i>NPG Asia Materials</i> , 2016, 8, e280-e280.	3.8	50
9	Sutureless Nerve Repair with Laser-Activated Chitosan Adhesive: A Pilot <i>in Vivo</i> Study. <i>Photomedicine and Laser Surgery</i> , 2008, 26, 227-234.	2.1	48
10	Photochemical tissue bonding with chitosan adhesive films. <i>BioMedical Engineering OnLine</i> , 2010, 9, 47.	1.3	46
11	Laser-activated solid protein bands for peripheral nerve repair: An <i>in vivo</i> study. , 1997, 21, 134-141.		45
12	Conductive Polymer Hydrogels. <i>Springer Series on Polymer and Composite Materials</i> , 2016, , 19-44.	0.5	42
13	Photoactive Organic Substrates for Cell Stimulation: Progress and Perspectives. <i>Advanced Materials Technologies</i> , 2019, 4, 1800744.	3.0	42
14	Bone marrow segmentation in leukemia using diffusion and T2 weighted echo planar magnetic resonance imaging. <i>NMR in Biomedicine</i> , 2000, 13, 321-328.	1.6	39
15	Self-expandable chitosan stent: design and preparation. <i>Biomaterials</i> , 2001, 22, 1869-1874.	5.7	37
16	Single-Material OCT-Based Flexible Complementary Circuits Featuring Polyaniline in Both Conducting Channels. <i>Advanced Functional Materials</i> , 2021, 31, 2007205.	7.8	33
17	Lysozyme depolymerization of photo-activated chitosan adhesive films. <i>Carbohydrate Polymers</i> , 2015, 121, 56-63.	5.1	30
18	All-Organic Semiconductors for Electrochemical Biosensors: An Overview of Recent Progress in Material Design. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 237.	2.0	30

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19	An <i>in vitro</i> study of the photodynamic effect of rose bengal on <i>trichophyton rubrum</i> . Journal of Biophotonics, 2014, 7, 410-417.	1.1	29
20	Advances in Hydrogels Applied to Degenerative Diseases. Current Pharmaceutical Design, 2012, 18, 2558-2575.	0.9	29
21	Laser-activated adhesive films for sutureless median nerve anastomosis. Journal of Biophotonics, 2013, 6, 938-949.	1.1	28
22	Separation of chitosan by degree of acetylation using simple free solution capillary electrophoresis. Analytical and Bioanalytical Chemistry, 2013, 405, 6873-6877.	1.9	27
23	Tissue repair strength using chitosan adhesives with different physical-chemical characteristics. Journal of Biophotonics, 2014, 7, 948-955.	1.1	27
24	Versatile Fabrication Approach of Conductive Hydrogels via Copolymerization with Vinyl Monomers. ACS Applied Materials & Interfaces, 2017, 9, 44124-44133.	4.0	27
25	Micro- and Nanostructured Biomaterials for Sutureless Tissue Repair. Advanced Healthcare Materials, 2016, 5, 401-414.	3.9	25
26	Porous chitosan adhesives with L-DOPA for enhanced photochemical tissue bonding. Acta Biomaterialia, 2020, 101, 314-326.	4.1	25
27	Long term recovery of median nerve repair using laser-activated chitosan adhesive films. Journal of Biophotonics, 2015, 8, 196-207.	1.1	24
28	A flexible polyaniline-based bioelectronic patch. Biomaterials Science, 2018, 6, 493-500.	2.6	23
29	In vitro cell compatibility study of rose bengal-chitosan adhesives. Lasers in Surgery and Medicine, 2012, 44, 762-768.	1.1	21
30	Porous Chitosan Films Support Stem Cells and Facilitate Sutureless Tissue Repair. ACS Applied Materials & Interfaces, 2019, 11, 32613-32622.	4.0	21
31	Stimulation and Repair of Peripheral Nerves Using Bioadhesive Graft-Antenna. Advanced Science, 2019, 6, 1801212.	5.6	20
32	An investigation into the inhibitory effect of ultraviolet radiation on <i>Trichophyton rubrum</i> . Lasers in Medical Science, 2014, 29, 157-163.	1.0	17
33	BioPEGylation of Polyhydroxyalkanoates: Influence on Properties and Satellite-Stem Cell Cycle. Biomacromolecules, 2008, 9, 2719-2726.	2.6	16
34	Light treatments of nail fungal infections. Journal of Biophotonics, 2018, 11, e201700350.	1.1	16
35	Laser-assisted demucosalized gastrocystoplasty with autoaugmentation in a canine model. Urology, 2000, 55, 437-442.	0.5	15
36	Drug-delivery study and estimation of polymer-solvent interaction parameter for bisacrylate ester-modified Pluronic hydrogels. International Journal of Pharmaceutics, 2008, 360, 231-235.	2.6	15

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37	Integration of extracellular matrix with chitosan adhesive film for sutureless tissue fixation. <i>Lasers in Surgery and Medicine</i> , 2009, 41, 366-371.	1.1	15
38	Fabrication and Application of Rose Bengal-chitosan Films in Laser Tissue Repair. <i>Journal of Visualized Experiments</i> , 2012, , .	0.2	14
39	Sensory perturbations using suture and sutureless repair of transected median nerve in rats. <i>Somatosensory & Motor Research</i> , 2016, 33, 20-28.	0.4	14
40	Porous and sutureless bioelectronic patch with retained electronic properties under cyclic stretching. <i>Applied Materials Today</i> , 2019, 15, 315-322.	2.3	14
41	Synthesis and characterization of novel radiopaque poly(allyl amine) nanoparticles. <i>Nanotechnology</i> , 2010, 21, 335603.	1.3	12
42	Effective photodynamic treatment of <i>Trichophyton</i> species with Rose Bengal. <i>Journal of Biophotonics</i> , 2021, 14, e202000340.	1.1	10
43	A conjugated polymer-liposome complex: A contiguous water-stable, electronic, and optical interface. <i>View</i> , 2021, 2, 20200081.	2.7	9
44	Characterisation of a novel light activated adhesive scaffold: Potential for device attachment. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 62, 433-445.	1.5	8
45	Molecular design of an electropolymerized copolymer with carboxylic and sulfonic acid functionalities. <i>Synthetic Metals</i> , 2022, 285, 117029.	2.1	8
46	Fabrication and characterization of chitosan nanoparticles using the coffee-ring effect for photodynamic therapy. <i>Lasers in Surgery and Medicine</i> , 2022, 54, 758-766.	1.1	8
47	Laser-activated protein solder for peripheral nerve repair. , 1995, 2395, 542.		7
48	Semitransparent bandages based on chitosan and extracellular matrix for photochemical tissue bonding. <i>BioMedical Engineering OnLine</i> , 2018, 17, 7.	1.3	7
49	Genetic Tolerance to Rose Bengal Photodynamic Therapy and Antifungal Clinical Application for Onychomycosis. <i>Advanced Therapeutics</i> , 2019, 2, 1800105.	1.6	7
50	A Phosphonated Poly(ethylenedioxythiophene) Derivative with Low Oxidation Potential for Energy-Efficient Bioelectronic Devices. <i>Chemistry of Materials</i> , 2022, 34, 140-151.	3.2	7
51	<title>Laser-activated protein bands for peripheral nerve repair</title>. , 1996, , .		5
52	Effect of laser welding with human serum albumin on the expression of P-selectin on platelets. , 1999, 25, 438-444.		5
53	<title>Laser solder repair technique for nerve anastomosis: temperatures required for optimal tensile strength</title>. , 1998, , .		2
54	ASSESSMENT OF THE DEGRADATION OF DENATURED ALBUMIN SOLDER BY HUMAN URINE. <i>Journal of Urology</i> , 2000, 163, 634-637.	0.2	2

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55	A One Step Procedure toward Conductive Suspensions of Liposomeâ€Polyaniline Complexes. <i>Macromolecular Bioscience</i> , 2020, 20, 2000103.	2.1	2
56	Impact of Sterilization on a Conjugated Polymer-Based Bioelectronic Patch. <i>ACS Applied Polymer Materials</i> , 2021, 3, 2541-2552.	2.0	2
57	<title>Low-temperature solder for laser tissue welding</title>. , 2003, , .		1
58	Chitosan Adhesive Films for Photochemical Tissue Bonding. <i>AIP Conference Proceedings</i> , 2011, , .	0.3	1
59	A genome-wide screen for tolerance to rose bengal photodynamic therapy and its use in onychomycosis treatment. , 2019, , .		1
60	<title>Laser-activated solder weld repair of the inferior alveolar nerve in rats</title>. , 1997, , .		0
61	Albumin-genipin solder for laser tissue welding. , 2004, , .		0
62	ECM-Chitosan Bandage for Tissue Repair. , 2010, , .		0
63	Chitosan-ECM bandages for photochemical tissue repair. , 2011, , .		0