Antonio Lauto

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9380603/publications.pdf

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	Molecular design of an electropolymerized copolymer with carboxylic and sulfonic acid functionalities. Synthetic Metals, 2022, 285, 117029.	2.1	8
2	Fabrication and characterization of chitosan nanoparticles using the coffeeâ€ring effect for photodynamic therapy. Lasers in Surgery and Medicine, 2022, 54, 758-766.	1.1	8
3	A Phosphonated Poly(ethylenedioxythiophene) Derivative with Low Oxidation Potential for Energy-Efficient Bioelectronic Devices. Chemistry of Materials, 2022, 34, 140-151.	3.2	7
4	Effective photodynamic treatment of Trichophyton species with Rose Bengal. Journal of Biophotonics, 2021, 14, e202000340.	1.1	10
5	Singleâ€Material OECTâ€Based Flexible Complementary Circuits Featuring Polyaniline in Both Conducting Channels. Advanced Functional Materials, 2021, 31, 2007205.	7.8	33
6	A conjugated polymerâ€liposome complex: A contiguous waterâ€stable, electronic, and optical interface. View, 2021, 2, 20200081.	2.7	9
7	Impact of Sterilization on a Conjugated Polymer-Based Bioelectronic Patch. ACS Applied Polymer Materials, 2021, 3, 2541-2552.	2.0	2
8	Porous chitosan adhesives with L-DOPA for enhanced photochemical tissue bonding. Acta Biomaterialia, 2020, 101, 314-326.	4.1	25
9	Photodynamic therapy with nanoparticles to combat microbial infection and resistance. Nanoscale, 2020, 12, 21034-21059.	2.8	66
10	A One Step Procedure toward Conductive Suspensions of Liposomeâ€Polyaniline Complexes. Macromolecular Bioscience, 2020, 20, 2000103.	2.1	2
11	Porous Chitosan Films Support Stem Cells and Facilitate Sutureless Tissue Repair. ACS Applied Materials & Interfaces, 2019, 11, 32613-32622.	4.0	21
12	All-Organic Semiconductors for Electrochemical Biosensors: An Overview of Recent Progress in Material Design. Frontiers in Bioengineering and Biotechnology, 2019, 7, 237.	2.0	30
13	Stimulation and Repair of Peripheral Nerves Using Bioadhesive Graftâ€Antenna. Advanced Science, 2019, 6, 1801212.	5.6	20
14	Porous and sutureless bioelectronic patch with retained electronic properties under cyclic stretching. Applied Materials Today, 2019, 15, 315-322.	2.3	14
15	Photoactive Organic Substrates for Cell Stimulation: Progress and Perspectives. Advanced Materials Technologies, 2019, 4, 1800744.	3.0	42
16	Genetic Tolerance to Rose Bengal Photodynamic Therapy and Antifungal Clinical Application for Onychomycosis. Advanced Therapeutics, 2019, 2, 1800105.	1.6	7
17	A genome-wide screen for tolerance to rose bengal photodynamic therapy and its use in onychomycosis treatment. , 2019, , .		1
18	A flexible polyaniline-based bioelectronic patch. Biomaterials Science, 2018, 6, 493-500.	2.6	23

#	Article	IF	Citations
19	Light treatments of nail fungal infections. Journal of Biophotonics, 2018, 11, e201700350.	1.1	16
20	Semitransparent bandages based on chitosan and extracellular matrix for photochemical tissue bonding. BioMedical Engineering OnLine, 2018, 17, 7.	1.3	7
21	Versatile Fabrication Approach of Conductive Hydrogels via Copolymerization with Vinyl Monomers. ACS Applied Materials & Interfaces, 2017, 9, 44124-44133.	4.0	27
22	Microâ€•and Nanostructured Biomaterials for Sutureless Tissue Repair. Advanced Healthcare Materials, 2016, 5, 401-414.	3.9	25
23	A conducting polymer with enhanced electronic stability applied in cardiac models. Science Advances, 2016, 2, e1601007.	4.7	173
24	Sensory perturbations using suture and sutureless repair of transected median nerve in rats. Somatosensory & Motor Research, 2016, 33, 20-28.	0.4	14
25	Electroconductive Hydrogel Based on Functional Poly(Ethylenedioxy Thiophene). Chemistry of Materials, 2016, 28, 6080-6088.	3.2	96
26	Gecko-inspired chitosan adhesive for tissue repair. NPG Asia Materials, 2016, 8, e280-e280.	3.8	50
27	Characterisation of a novel light activated adhesive scaffold: Potential for device attachment. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 62, 433-445.	1.5	8
28	Conductive Polymer Hydrogels. Springer Series on Polymer and Composite Materials, 2016, , 19-44.	0.5	42
29	Lysozyme depolymerization of photo-activated chitosan adhesive films. Carbohydrate Polymers, 2015, 121, 56-63.	5.1	30
30	Long term recovery of median nerve repair using laserâ€•activated chitosan adhesive films. Journal of Biophotonics, 2015, 8, 196-207.	1.1	24
31	An in vitro study of the photodynamic effect of rose bengal on trichophyton rubrum. Journal of Biophotonics, 2014, 7, 410-417.	1.1	29
32	An investigation into the inhibitory effect of ultraviolet radiation on Trichophyton rubrum. Lasers in Medical Science, 2014, 29, 157-163.	1.0	17
33	Nerve repair: toward a sutureless approach. Neurosurgical Review, 2014, 37, 585-595.	1.2	53
34	Tissue repair strength using chitosan adhesives with different physicalâ€•chemical characteristics. Journal of Biophotonics, 2014, 7, 948-955.	1.1	27
35	Separation of chitosan by degree of acetylation using simple free solution capillary electrophoresis. Analytical and Bioanalytical Chemistry, 2013, 405, 6873-6877.	1.9	27
36	Laserâ€•activated adhesive films for sutureless median nerve anastomosis. Journal of Biophotonics, 2013, 6, 938-949.	1.1	28

#	Article	IF	Citations
37	Fabrication and Application of Rose Bengal-chitosan Films in Laser Tissue Repair. Journal of Visualized Experiments, 2012, , .	0.2	14
38	In vitro cell compatibility study of rose bengalâ€"chitosan adhesives. Lasers in Surgery and Medicine, 2012, 44, 762-768.	1.1	21
39	Advances in Hydrogels Applied to Degenerative Diseases. Current Pharmaceutical Design, 2012, 18, 2558-2575.	0.9	29
40	Chitosan Adhesive Films for Photochemical Tissue Bonding. AIP Conference Proceedings, 2011, , .	0.3	1
41	Chitosan-ECM bandages for photochemical tissue repair. , 2011, , .		0
42	ECM-Chitosan Bandage for Tissue Repair. , 2010, , .		0
43	Photochemical tissue bonding with chitosan adhesive films. BioMedical Engineering OnLine, 2010, 9, 47.	1.3	46
44	Synthesis and characterization of novel radiopaque poly(allyl amine) nanoparticles. Nanotechnology, 2010, 21, 335603.	1.3	12
45	Integration of extracellular matrix with chitosan adhesive film for sutureless tissue fixation. Lasers in Surgery and Medicine, 2009, 41, 366-371.	1.1	15
46	Adhesive biomaterials for tissue reconstruction. Journal of Chemical Technology and Biotechnology, 2008, 83, 464-472.	1.6	119
47	Drug-delivery study and estimation of polymerâ€"solvent interaction parameter for bisacrylate ester-modified Pluronic hydrogels. International Journal of Pharmaceutics, 2008, 360, 231-235.	2.6	15
48	BioPEGylation of Polyhydroxyalkanoates: Influence on Properties and Satellite-Stem Cell Cycle. Biomacromolecules, 2008, 9, 2719-2726.	2.6	16
49	Sutureless Nerve Repair with Laser-Activated Chitosan Adhesive: A Pilot in Vivo Study. Photomedicine and Laser Surgery, 2008, 26, 227-234.	2.1	48
50	Chitosan adhesive for laser tissue repair: In vitro characterization. Lasers in Surgery and Medicine, 2005, 36, 193-201.	1.1	59
51	Albumin-genipin solder for laser tissue welding. , 2004, , .		0
52	<title>Low-temperature solder for laser tissue welding</title>. , 2003, , .		1
53	Diode-pumped fiber lasers: A new clinical tool?. Lasers in Surgery and Medicine, 2002, 30, 184-190.	1.1	111
54	Self-expandable chitosan stent: design and preparation. Biomaterials, 2001, 22, 1869-1874.	5.7	37

#	Article	IF	Citations
55	Bone marrow segmentation in leukemia using diffusion andT2 weighted echo planar magnetic resonance imaging. NMR in Biomedicine, 2000, 13, 321-328.	1.6	39
56	Laser-assisted demucosalized gastrocystoplasty with autoaugmentation in a canine model. Urology, 2000, 55, 437-442.	0.5	15
57	ASSESSMENT OF THE DEGRADATION OF DENATURED ALBUMIN SOLDER BY HUMAN URINE. Journal of Urology, 2000, 163, 634-637.	0.2	2
58	Effect of laser welding with human serum albumin on the expression of P-selectin on platelets. , 1999, 25, 438-444.		5
59	<title>Laser solder repair technique for nerve anastomosis: temperatures required for optimal tensile strength</title>. , 1998, , .		2
60	<title>Laser-activated solder weld repair of the inferior alveolar nerve in rats</title>. , 1997, , .		0
61	Laser-activated solid protein bands for peripheral nerve repair: An in vivo study. , 1997, 21, 134-141.		45
62	<title>Laser-activated protein bands for peripheral nerve repair</title>. , 1996, , .		5
63	Laser-activated protein solder for peripheral nerve repair. , 1995, 2395, 542.		7