

Damia Mawad

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,295
citations

201674

27
h-index

214800

47
g-index

62
all docs

62
docs citations

62
times ranked

3552
citing authors

#	ARTICLE	IF	CITATIONS
1	Green Synthesis of Lactone-Based Conjugated Polymers for n-Type Organic Electrochemical Transistors. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	45
2	Molecular design of an electropolymerized copolymer with carboxylic and sulfonic acid functionalities. <i>Synthetic Metals</i> , 2022, 285, 117029.	3.9	8
3	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.	2.1	8
4	A Phosphonated Poly(ethylenedioxythiophene) Derivative with Low Oxidation Potential for Energy-Efficient Bioelectronic Devices. <i>Chemistry of Materials</i> , 2022, 34, 140-151.	6.7	7
5	Single-Material OEET-Based Flexible Complementary Circuits Featuring Polyaniline in Both Conducting Channels. <i>Advanced Functional Materials</i> , 2021, 31, 2007205.	14.9	33
6	A conjugated polymer-liposome complex: A contiguous water-stable, electronic, and optical interface. <i>View</i> , 2021, 2, 20200081.	5.3	9
7	3D bioprinting of dual-crosslinked nanocellulose hydrogels for tissue engineering applications. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6163-6175.	5.8	31
8	Fucoidan- and carrageenan-based biosynthetic poly(vinyl alcohol) hydrogels for controlled permeation. <i>Materials Science and Engineering C</i> , 2021, 121, 111821.	7.3	6
9	Impact of Sterilization on a Conjugated Polymer-Based Bioelectronic Patch. <i>ACS Applied Polymer Materials</i> , 2021, 3, 2541-2552.	4.4	2
10	Effect of cell culture media on photopolymerizations. <i>Biomacromolecules</i> , 2021, 22, 4295-4305.	5.4	5
11	Biofunctional conducting polymers: synthetic advances, challenges, and perspectives towards their use in implantable bioelectronic devices. <i>Advances in Physics: X</i> , 2021, 6, .	4.1	3
12	Porous chitosan adhesives with L-DOPA for enhanced photochemical tissue bonding. <i>Acta Biomaterialia</i> , 2020, 101, 314-326.	8.3	25
13	Immunomodulatory properties of photopolymerizable fucoidan and carrageenans. <i>Carbohydrate Polymers</i> , 2020, 230, 115691.	10.2	40
14	Photodynamic therapy with nanoparticles to combat microbial infection and resistance. <i>Nanoscale</i> , 2020, 12, 21034-21059.	5.6	66
15	A One Step Procedure toward Conductive Suspensions of Liposome-Polyaniline Complexes. <i>Macromolecular Bioscience</i> , 2020, 20, 2000103.	4.1	2
16	Porous Chitosan Films Support Stem Cells and Facilitate Sutureless Tissue Repair. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32613-32622.	8.0	21
17	Diagnostic challenges in dielectric loss assessment and interpretation: a review. <i>IET Science, Measurement and Technology</i> , 2019, 13, 767-782.	1.6	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.	4.1	30

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19	Hybrid Alkylâ€“Ethylene Glycol Side Chains Enhance Substrate Adhesion and Operational Stability in Accumulation Mode Organic Electrochemical Transistors. <i>Chemistry of Materials</i> , 2019, 31, 9797-9806.	6.7	97
20	Stimulation and Repair of Peripheral Nerves Using Bioadhesive Graftâ€“Antenna. <i>Advanced Science</i> , 2019, 6, 1801212.	11.2	20
21	Porous and sutureless bioelectronic patch with retained electronic properties under cyclic stretching. <i>Applied Materials Today</i> , 2019, 15, 315-322.	4.3	14
22	Conjugated Polymers in Bioelectronics: Addressing the Interface Challenge. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900053.	7.6	44
23	Photoactive Organic Substrates for Cell Stimulation: Progress and Perspectives. <i>Advanced Materials Technologies</i> , 2019, 4, 1800744.	5.8	42
24	Soil Biodegradation of Unidirectional Polyhydroxybutyrate-Co-Valerate (PHBV) Biocomposites Toughened With Polybutylene-Adipate-Co-Terephthalate (PBAT) and Epoxidized Natural Rubber (ENR). <i>Frontiers in Materials</i> , 2019, 6, .	2.4	15
25	Genetic Tolerance to Rose Bengal Photodynamic Therapy and Antifungal Clinical Application for Onychomycosis. <i>Advanced Therapeutics</i> , 2019, 2, 1800105.	3.2	7
26	A genome-wide screen for tolerance to rose bengal photodynamic therapy and its use in onychomycosis treatment. , 2019, , .		1
27	Stimulation and repair of peripheral nerves using a bioadhesive graft-antenna (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T		
28	Auxetic Cardiac Patches with Tunable Mechanical and Conductive Properties toward Treating Myocardial Infarction. <i>Advanced Functional Materials</i> , 2018, 28, 1800618.	14.9	167
29	A flexible polyaniline-based bioelectronic patch. <i>Biomaterials Science</i> , 2018, 6, 493-500.	5.4	23
30	Light treatments of nail fungal infections. <i>Journal of Biophotonics</i> , 2018, 11, e201700350.	2.3	16
31	Semitransparent bandages based on chitosan and extracellular matrix for photochemical tissue bonding. <i>BioMedical Engineering OnLine</i> , 2018, 17, 7.	2.7	7
32	Synthesis of Hetero-bifunctional, End-Capped Oligo-EDOT Derivatives. <i>CheM</i> , 2017, 2, 125-138.	11.7	21
33	Versatile Fabrication Approach of Conductive Hydrogels via Copolymerization with Vinyl Monomers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44124-44133.	8.0	27
34	Current Technologies Based on the Knowledge of the Stem Cells Microenvironments. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1041, 245-262.	1.6	12
35	A conducting polymer with enhanced electronic stability applied in cardiac models. <i>Science Advances</i> , 2016, 2, e1601007.	10.3	173
36	Electroconductive Hydrogel Based on Functional Poly(Ethylenedioxy Thiophene). <i>Chemistry of Materials</i> , 2016, 28, 6080-6088.	6.7	96

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37	Gecko-inspired chitosan adhesive for tissue repair. <i>NPG Asia Materials</i> , 2016, 8, e280-e280.	7.9	50
38	Conductive Polymer Hydrogels. <i>Springer Series on Polymer and Composite Materials</i> , 2016, , 19-44.	0.7	42
39	Lysozyme depolymerization of photo-activated chitosan adhesive films. <i>Carbohydrate Polymers</i> , 2015, 121, 56-63.	10.2	30
40	Elucidating the deprotonation of polyaniline films by X-ray photoelectron spectroscopy. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7180-7186.	5.5	95
41	An <i>in vitro</i> study of the photodynamic effect of rose bengal on <i>trichophyton rubrum</i> . <i>Journal of Biophotonics</i> , 2014, 7, 410-417.	2.3	29
42	Tissue repair strength using chitosan adhesives with different physical-chemical characteristics. <i>Journal of Biophotonics</i> , 2014, 7, 948-955.	2.3	27
43	Laser-activated adhesive films for sutureless median nerve anastomosis. <i>Journal of Biophotonics</i> , 2013, 6, 938-949.	2.3	28
44	Fabrication and Application of Rose Bengal-chitosan Films in Laser Tissue Repair. <i>Journal of Visualized Experiments</i> , 2012, , .	0.3	14
45	In vitro cell compatibility study of rose bengal-chitosan adhesives. <i>Lasers in Surgery and Medicine</i> , 2012, 44, 762-768.	2.1	21
46	Emulsion-coaxial electrospinning: designing novel architectures for sustained release of highly soluble low molecular weight drugs. <i>Journal of Materials Chemistry</i> , 2012, 22, 11347.	6.7	59
47	A Single Component Conducting Polymer Hydrogel as a Scaffold for Tissue Engineering. <i>Advanced Functional Materials</i> , 2012, 22, 2692-2699.	14.9	254
48	Electrically Induced Disassembly of Electroactive Multilayer Films Fabricated from Water Soluble Polythiophenes. <i>Advanced Functional Materials</i> , 2012, 22, 5020-5027.	14.9	18
49	Conducting Polymer Hydrogels: A Single Component Conducting Polymer Hydrogel as a Scaffold for Tissue Engineering (<i>Adv. Funct. Mater.</i> 13/2012). <i>Advanced Functional Materials</i> , 2012, 22, 2691-2691.	14.9	10
50	Advances in Hydrogels Applied to Degenerative Diseases. <i>Current Pharmaceutical Design</i> , 2012, 18, 2558-2575.	1.9	29
51	An erodible polythiophene-based composite for biomedical applications. <i>Journal of Materials Chemistry</i> , 2011, 21, 5555.	6.7	83
52	Chitosan Adhesive Films for Photochemical Tissue Bonding. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	1
53	Chitosan-ECM bandages for photochemical tissue repair. , 2011, , .		0
54	Photochemical tissue bonding with chitosan adhesive films. <i>BioMedical Engineering OnLine</i> , 2010, 9, 47.	2.7	46

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55	Synthesis and characterization of novel radiopaque poly(allyl amine) nanoparticles. <i>Nanotechnology</i> , 2010, 21, 335603.	2.6	12
56	Elaboration of radiopaque iodinated nanoparticles for in situ control of local drug delivery. <i>Biomaterials</i> , 2009, 30, 5667-5674.	11.4	27
57	Network structure and macromolecular drug release from poly(vinyl alcohol) hydrogels fabricated via two crosslinking strategies. <i>International Journal of Pharmaceutics</i> , 2009, 366, 31-37.	5.2	38
58	Adhesive biomaterials for tissue reconstruction. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 464-472.	3.2	119
59	Drug-delivery study and estimation of polymer-solvent interaction parameter for bisacrylate ester-modified Pluronic hydrogels. <i>International Journal of Pharmaceutics</i> , 2008, 360, 231-235.	5.2	15
60	Synthesis and Characterization of Radiopaque Iodine-containing Degradable PVA Hydrogels. <i>Biomacromolecules</i> , 2008, 9, 263-268.	5.4	46
61	The effect of redox polymerisation on degradation and cell responses to poly (vinyl alcohol) hydrogels. <i>Biomaterials</i> , 2007, 28, 947-955.	11.4	49