

Patricia Alves

List of Publications by Year in descending order

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64
papers

2,077
citations

304743

22
h-index

243625

44
g-index

67
all docs

67
docs citations

67
times ranked

2967
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in the development of biobased epoxy resins: insight into more sustainable materials and future applications. <i>International Materials Reviews</i> , 2022, 67, 119-149.	19.3	42
2	Immobilization of TiO ₂ onto a polymeric support for photocatalytic oxidation of a paraben's mixture. <i>Journal of Water Process Engineering</i> , 2022, 46, 102458.	5.6	6
3	Solar energy for liquid wastewater treatment with novel TiO ₂ supported catalysts. <i>Energy Reports</i> , 2022, 8, 489-494.	5.1	6
4	Formulation and Characterization of Stimuli-Responsive Lecithin-Based Liposome Complexes with Poly(acrylic acid)/Poly(N,N-dimethylaminoethyl methacrylate) and Pluronic® Copolymers for Controlled Drug Delivery. <i>Pharmaceutics</i> , 2022, 14, 735.	4.5	4
5	Fractionation of black liquor using ZnO nanoparticles/PES ultrafiltration membranes: Effect of operating variables. <i>Journal of Cleaner Production</i> , 2022, 345, 131183.	9.3	15
6	Recent Advances in Hydrogel-Mediated Nitric Oxide Delivery Systems Targeted for Wound Healing Applications. <i>Pharmaceutics</i> , 2022, 14, 1377.	4.5	11
7	Optimization of hemicellulose recovery from black liquor using ZnO/PES ultrafiltration membranes in crossflow mode. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 114, 254-262.	5.8	3
8	Polysaccharide-Based Composites for Biomedical Applications. <i>Materials Horizons</i> , 2021, , 19-34.	0.6	2
9	Polyester-based photocrosslinkable bioadhesives for wound closure and tissue regeneration support. <i>Reactive and Functional Polymers</i> , 2021, 158, 104798.	4.1	10
10	Microencapsulation of <i>Lactobacillus plantarum</i> in W/O emulsions of okara oil and block-copolymers of poly(acrylic acid) and pluronic using microfluidic devices. <i>Food Research International</i> , 2021, 140, 110053.	6.2	22
11	Lignin separation from black liquor by mixed matrix polysulfone nanofiltration membrane filled with multiwalled carbon nanotubes. <i>Separation and Purification Technology</i> , 2021, 260, 118231.	7.9	32
12	Synthesis and characterization of itaconic-based epoxy resin: Chemical and thermal properties of partially biobased epoxy resins. <i>Polymer</i> , 2021, 235, 124285.	3.8	9
13	Analysing the Initial Bacterial Adhesion to Evaluate the Performance of Antifouling Surfaces. <i>Antibiotics</i> , 2020, 9, 421.	3.7	4
14	Photocurable Polymeric Blends for Surgical Application. <i>Materials</i> , 2020, 13, 5681.	2.9	2
15	Efficacy of A Poly(MeOEGMA) Brush on the Prevention of <i>Escherichia coli</i> Biofilm Formation and Susceptibility. <i>Antibiotics</i> , 2020, 9, 216.	3.7	18
16	Preparation of functionalized poly(caprolactone diol)/castor oils blends to be applied as photocrosslinkable tissue adhesives. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49092.	2.6	10
17	The potential advantages of using a poly(HPMA) brush in urinary catheters: effects on biofilm cells and architecture. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 191, 110976.	5.0	32
18	Utilization of TBDMS chitosan for synthesis of photoactive chitosan derivatives and application in photografting on ophthalmic lens material. <i>Reactive and Functional Polymers</i> , 2020, 153, 104600.	4.1	4

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19	Functionalized polyester-based materials as UV curable adhesives. <i>European Polymer Journal</i> , 2019, 120, 109196.	5.4	15
20	Biofilm formation behaviour of marine filamentous cyanobacterial strains in controlled hydrodynamic conditions. <i>Environmental Microbiology</i> , 2019, 21, 4411-4424.	3.8	33
21	Preparation of biodegradable functionalized polyesters aimed to be used as surgical adhesives. <i>European Polymer Journal</i> , 2019, 117, 442-454.	5.4	9
22	Photocrosslinkable Nanofibrous Asymmetric Membrane Designed for Wound Dressing. <i>Polymers</i> , 2019, 11, 653.	4.5	23
23	Moxifloxacin-loaded acrylic intraocular lenses: In vitro and in vivo performance. <i>Journal of Cataract and Refractive Surgery</i> , 2019, 45, 1808-1817.	1.5	16
24	Long term stability and interaction with epithelial cells of freeze-dried pH-responsive liposomes functionalized with cholesterol-poly(acrylic acid). <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 164, 50-57.	5.0	7
25	Thermal-responsive hydrogels for sublingual administration of Ondansetron. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018, 67, 765-775.	3.4	1
26	The effects of fluid composition and shear conditions on bacterial adhesion to an antifouling peptide-coated surface. <i>MRS Communications</i> , 2018, 8, 938-946.	1.8	12
27	Development and characterization of iron-pectin beads as a novel system for iron delivery to intestinal cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 538-543.	5.0	21
28	Modelling the Release of Moxifloxacin from Plasma Grafted Intraocular Lenses with Rotational Symmetric Numerical Framework. <i>Lecture Notes in Computer Science</i> , 2018, , 329-339.	1.3	0
29	Effect of shear stress on the reduction of bacterial adhesion to antifouling polymers. <i>Bioinspiration and Biomimetics</i> , 2018, 13, 065001.	2.9	27
30	Stability effect of cholesterol-poly(acrylic acid) in a stimuli-responsive polymer-liposome complex obtained from soybean lecithin for controlled drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 103-113.	5.0	14
31	Controlled release of moxifloxacin from intraocular lenses modified by Ar plasma-assisted grafting with AMPS or SBMA: An in vitro study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 156, 95-103.	5.0	19
32	Endocytosis and intracellular traffic of cholesterol-PDMAEMA liposome complexes in human epithelial-like cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 156, 38-43.	5.0	15
33	Layer-by-layer encapsulation of <i>Lactobacillus delbrueckii</i> subsp. <i>Bulgaricus</i> using block-copolymers of poly(acrylic acid) and pluronic for safe release in gastro-intestinal conditions. <i>Journal of Functional Foods</i> , 2017, 35, 408-417.	3.4	23
34	Photocrosslinkable electrospun fiber meshes for tissue engineering applications. <i>European Polymer Journal</i> , 2017, 97, 210-219.	5.4	26
35	Surface modification of an intraocular lens material by plasma-assisted grafting with 2-hydroxyethyl methacrylate (HEMA), for controlled release of moxifloxacin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 120, 52-62.	4.3	19
36	Coaxial electrospun PCL/Gelatin-MA fibers as scaffolds for vascular tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 7-15.	5.0	66

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37	Development of UV cross-linked gelatin coated electrospun poly(caprolactone) fibrous scaffolds for tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 1539-1548.	7.5	38
38	Evaluation of SICAN performance for biofouling mitigation in the food industry. <i>Food Control</i> , 2016, 62, 201-207.	5.5	19
39	Synthesis, functionalization and characterization of UV-curable lactic acid based oligomers to be used as surgical adhesives. <i>Reactive and Functional Polymers</i> , 2015, 94, 43-54.	4.1	23
40	Using an in-vitro biofilm model to assess the virulence potential of Bacterial Vaginosis or non-Bacterial Vaginosis Gardnerella vaginalis isolates. <i>Scientific Reports</i> , 2015, 5, 11640.	3.3	107
41	Improving polymeric surfaces for biomedical applications: a review. <i>Journal of Coatings Technology Research</i> , 2015, 12, 463-475.	2.5	49
42	Surface modification of intraocular lenses towards controlled drug delivery. <i>Acta Ophthalmologica</i> , 2015, 93, n/a-n/a.	1.1	1
43	Stabilization of polymer lipid complexes prepared with lipids of lactic acid bacteria upon preservation and internalization into eukaryotic cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 446-451.	5.0	6
44	Surface modification of polyurethane films by plasma and ultraviolet light to improve haemocompatibility for artificial heart valves. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 113, 25-32.	5.0	81
45	Gardnerella vaginalis Outcompetes 29 Other Bacterial Species Isolated From Patients With Bacterial Vaginosis, Using in an In Vitro Biofilm Formation Model. <i>Journal of Infectious Diseases</i> , 2014, 210, 593-596.	4.0	95
46	Improving cell adhesion: development of a biosensor for cell behaviour monitoring by surface grafting of sulfonic groups onto a thermoplastic polyurethane. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 2017-2026.	3.6	14
47	Synthesis of a dextran based thermo-sensitive drug delivery system by gamma irradiation. <i>International Journal of Biological Macromolecules</i> , 2013, 61, 150-155.	7.5	17
48	Surface grafting of carboxylic groups onto thermoplastic polyurethanes to reduce cell adhesion. <i>Applied Surface Science</i> , 2013, 283, 744-750.	6.1	10
49	Effect of cholesterol-poly(N,N-dimethylaminoethyl methacrylate) on the properties of stimuli-responsive polymer liposome complexes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 104, 254-261.	5.0	14
50	Influence of anaerobic conditions on vaginal microbiota recovery from bacterial vaginosis patients. <i>Sexually Transmitted Infections</i> , 2013, 89, 307-307.	1.9	10
51	Molecular Dynamics Study of Oligomer-Membrane Complexes with Biomedical Relevance. <i>Advanced Structured Materials</i> , 2013, , 55-67.	0.5	0
52	Functionalization of polydimethylsiloxane membranes to be used in the production of voice prostheses. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 055006.	6.1	81
53	Alginate based scaffolds for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2012, 32, 2596-2603.	7.3	77
54	Sodium hyaluronate/chitosan polyelectrolyte complex scaffolds for dental pulp regeneration: Synthesis and characterization. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 573-579.	7.5	97

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55	Surface grafting of a thermoplastic polyurethane with methacrylic acid by previous plasma surface activation and by ultraviolet irradiation to reduce cell adhesion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 371-377.	5.0	40
56	Poly(dimethyl siloxane) surface modification with biosurfactants isolated from probiotic strains. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 98A, 535-543.	4.0	18
57	Surface modification of a thermoplastic polyurethane by low-pressure plasma treatment to improve hydrophilicity. <i>Journal of Applied Polymer Science</i> , 2011, 122, 2302-2308.	2.6	54
58	<i>Polymers for Biomedical Applications.</i> , 2011, , 21-44.		0
59	Poly(dimethyl siloxane) surface modification by low pressure plasma to improve its characteristics towards biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 81, 20-26.	5.0	151
60	Drug delivery systems: Advanced technologies potentially applicable in personalized treatments. <i>EPMA Journal</i> , 2010, 1, 164-209.	6.1	293
61	Surface modification of thermoplastic polyurethane in order to enhance reactivity and avoid cell adhesion. <i>Colloid and Polymer Science</i> , 2009, 287, 1469-1474.	2.1	8
62	Surface modification and characterization of thermoplastic polyurethane. <i>European Polymer Journal</i> , 2009, 45, 1412-1419.	5.4	160
63	Polyurethane-based microparticles: Formulation and influence of processes variables on its characteristics. <i>Journal of Microencapsulation</i> , 2008, 25, 154-169.	2.8	31
64	Scale-up of Poly[(Vinyl Chloride)-b-(n-Butyl Acrylate)-b-(Vinyl Chloride)] prepared by Living Radical Polymerization. <i>Materials Science Forum</i> , 2006, 514-516, 975-979.	0.3	2