

Blanca Vazquez

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/258053/blanca-vazquez-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

128
papers

2,536
citations

28
h-index

44
g-index

132
ext. papers

2,802
ext. citations

6.4
avg, IF

4.77
L-index

#	Paper	IF	Citations
128	Development of bioactive catechol functionalized nanoparticles applicable for 3D bioprinting. <i>Materials Science and Engineering C</i> , 2021 , 131, 112515	8.3	1
127	Oregano Essential Oil Micro- and Nanoencapsulation With Bioactive Properties for Biotechnological and Biomedical Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 703684	5.8	6
126	Microfluidics generation of chitosan microgels containing glycerylphytate crosslinker for in situ human mesenchymal stem cells encapsulation. <i>Materials Science and Engineering C</i> , 2021 , 120, 111716	8.3	8
125	Amphiphilic polymeric nanoparticles encapsulating curcumin: Antioxidant, anti-inflammatory and biocompatibility studies. <i>Materials Science and Engineering C</i> , 2021 , 121, 111793	8.3	15
124	Vitamin B9 derivatives as carriers of bioactive cations for musculoskeletal regeneration applications: Synthesis, characterization and biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2021 , 212, 113152	6.8	0
123	Modulation of Inflammatory Mediators by Polymeric Nanoparticles Loaded with Anti-Inflammatory Drugs. <i>Pharmaceutics</i> , 2021 , 13,	6.4	8
122	DEAE-chitosan nanoparticles as a pneumococcus-biomimetic material for the development of antipneumococcal therapeutics. <i>Carbohydrate Polymers</i> , 2021 , 273, 118605	10.3	0
121	Chitosan - Rosmarinic acid conjugates with antioxidant, anti-inflammatory and photoprotective properties. <i>Carbohydrate Polymers</i> , 2021 , 273, 118619	10.3	5
120	Glycerylphytate crosslinker as a potential osteoinductor of chitosan-based systems for guided bone regeneration. <i>Carbohydrate Polymers</i> , 2020 , 241, 116269	10.3	5
119	Osseointegration of Antimicrobial Acrylic Bone Cements Modified with Graphene Oxide and Chitosan. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6528	2.6	4
118	Evaluation of Glycerylphytate Crosslinked Semi- and Interpenetrated Polymer Membranes of Hyaluronic Acid and Chitosan for Tissue Engineering. <i>Polymers</i> , 2020 , 12,	4.5	6
117	Anti-staphylococcal hydrogels based on bacterial cellulose and the antimicrobial biopolyester poly(3-hydroxy-acetylthioalkanoate-co-3-hydroxyalkanoate). <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 1869-1879	7.9	8
116	Injectable hydrogel-based drug delivery system for cartilage regeneration. <i>Materials Science and Engineering C</i> , 2020 , 110, 110702	8.3	14
115	Characterization of Novel Synthetic Polyphenols: Validation of Antioxidant and Vasculoprotective Activities. <i>Antioxidants</i> , 2020 , 9,	7.1	2
114	3D Printing of a Reactive Hydrogel Bio-Ink Using a Static Mixing Tool. <i>Polymers</i> , 2020 , 12,	4.5	18
113	Development of Biocomposite Polymeric Systems Loaded with Antibacterial Nanoparticles for the Coating of Polypropylene Biomaterials. <i>Polymers</i> , 2020 , 12,	4.5	5
112	Novel Bioactive and Antibacterial Acrylic Bone Cement Nanocomposites Modified with Graphene Oxide and Chitosan. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	30

111	Experimental study of the application of a new bone cement loaded with broad spectrum antibiotics for the treatment of bone infection. <i>Revista Española De Cirugía Ortopédica Y Traumatología</i> , 2019 , 63, 95-103	0.4	3
110	Poly(lactic-co-glycolic acid) microspheres added to fixative cements and its role on bone infected architecture. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019 , 107, 2517-2526	3.5	6
109	Glycerolphytate compounds with tunable ion affinity and osteogenic properties. <i>Scientific Reports</i> , 2019 , 9, 11491	4.9	9
108	Bioadhesive functional hydrogels: Controlled release of catechol species with antioxidant and anti-inflammatory behavior. <i>Materials Science and Engineering C</i> , 2019 , 105, 110040	8.3	29
107	Amphiphilic Acrylic Nanoparticles Containing the Poloxamer Star Bayfit® 10WF15 as Ophthalmic Drug Carriers. <i>Polymers</i> , 2019 , 11,	4.5	4
106	Glycerolphytate as an ionic crosslinker for 3D printing of multi-layered scaffolds with improved shape fidelity and biological features. <i>Biomaterials Science</i> , 2019 , 8, 506-516	7.4	20
105	Active viscosupplements for osteoarthritis treatment. <i>Seminars in Arthritis and Rheumatism</i> , 2019 , 49, 171-183	5.3	10
104	Experimental study of the application of a new bone cement loaded with broad spectrum antibiotics for the treatment of bone infection. <i>Revista Española De Cirugía Ortopédica Y Traumatología</i> , 2019 , 63, 95-103	0.4	4
103	Bioactive Sr(II)/Chitosan/Poly(ε-caprolactone) Scaffolds for Craniofacial Tissue Regeneration. In Vitro and In Vivo Behavior. <i>Polymers</i> , 2018 , 10,	4.5	7
102	Polymeric Nanoparticles for Cancer Therapy and Bioimaging. <i>Nanomedicine and Nanotoxicology</i> , 2018 , 137-172	0.3	5
101	Biocompatible and bioadhesive low molecular weight polymers containing long-arm catechol-functionalized methacrylate. <i>European Polymer Journal</i> , 2018 , 98, 47-55	5.2	13
100	Bioactive and Bioadhesive Catechol Conjugated Polymers for Tissue Regeneration. <i>Polymers</i> , 2018 , 10,	4.5	11
99	Development of advanced antibiotic loaded bone cement spacers for arthroplasty associated infections. <i>International Journal of Pharmaceutics</i> , 2017 , 522, 11-20	6.5	15
98	Contribution of bioactive hyaluronic acid and gelatin to regenerative medicine. Methodologies of gels preparation and advanced applications. <i>European Polymer Journal</i> , 2017 , 95, 11-26	5.2	13
97	Micro-structured 3D-electrospun scaffolds of biodegradable block copolymers for soft tissue regeneration. <i>European Polymer Journal</i> , 2017 , 94, 33-42	5.2	7
96	Self-assembling polymer systems for advanced treatment of cancer and inflammation. <i>Progress in Polymer Science</i> , 2016 , 53, 207-248	29.6	33
95	PHEMA-PLLA semi-interpenetrating polymer networks: A study of their swelling kinetics, mechanical properties and cellular behavior. <i>European Polymer Journal</i> , 2016 , 85, 150-163	5.2	13
94	New fully bio-based PLLA triblock copoly(ester urethane)s as potential candidates for soft tissue engineering. <i>Polymer Degradation and Stability</i> , 2016 , 132, 169-180	4.7	20

93	Conformational study on the thermal transition of chitosan-g-poly(N-vinylcaprolactam) in aqueous solution. <i>Colloid and Polymer Science</i> , 2016 , 294, 555-563	2.4	9
92	Development of bioresorbable bilayered systems for application as affordable wound dressings. <i>Journal of Bioactive and Compatible Polymers</i> , 2016 , 31, 624-647	2	2
91	Effect of the molecular architecture on the thermosensitive properties of chitosan-g-poly(N-vinylcaprolactam). <i>Carbohydrate Polymers</i> , 2015 , 134, 92-101	10.3	34
90	Bioactive Chitosan Nanoparticles Loaded with Retinyl Palmitate: A Simple Route Using Ionotropic Gelation. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 1321-1332	2.6	7
89	Self-Curing Systems for Regenerative Medicine 2015 , 207-233		
88	Oxidized dextrans as alternative crosslinking agents for polysaccharides: application to hydrogels of agarose-chitosan. <i>Acta Biomaterialia</i> , 2014 , 10, 798-811	10.8	52
87	The use of smart polymers in medical devices for minimally invasive surgery, diagnosis and other applications 2014 , 359-407		6
86	Amphiphilic polysaccharide nanocarriers with antioxidant properties. <i>Journal of Bioactive and Compatible Polymers</i> , 2014 , 29, 589-606	2	6
85	Scaffolds based on hydroxypropyl starch: Processing, morphology, characterization, and biological behavior. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 1475-1484	2.9	14
84	Chitosan-gelatin biopolymers as carrier substrata for limbal epithelial stem cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2013 , 24, 2819-29	4.5	34
83	Effects of plasma surface treatments of diamond-like carbon and polymeric substrata on the cellular behavior of human fibroblasts. <i>Journal of Biomaterials Applications</i> , 2013 , 27, 669-83	2.9	9
82	Preparation and Applications of Modulated Surface Energy Biomaterials 2013 , 495-538		
81	Amphiphilic self-assembled "polymeric drugs": morphology, properties, and biological behavior of nanoparticles. <i>Biomacromolecules</i> , 2012 , 13, 624-35	6.9	12
80	Polymeric systems containing dual biologically active ions. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 4980-91	6.8	6
79	Combined influence of barium sulfate content and co-monomer concentration on properties of PMMA bone cements for vertebroplasty. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011 , 22, 1563-80	3.5	9
78	Random co-polymers based on the poloxamer Bayfit [®] 10WF15 for biomedical applications. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011 , 22, 1895-916	3.5	3
77	Polymeric drugs based on random copolymers with antimitotic activity. <i>Biomacromolecules</i> , 2010 , 11, 2478-86	6.9	4
76	A study on partially biodegradable microparticles as carriers of active glycolipids. <i>Acta Biomaterialia</i> , 2010 , 6, 1360-9	10.8	2

75	Clinical and pathological effects of different acrylic intracorneal ring segments in corneal additive surgery. <i>Acta Biomaterialia</i> , 2010 , 6, 2572-9	10.8	7
74	Biocompatibility of alendronate-loaded acrylic cement for vertebroplasty. <i>European Cells and Materials</i> , 2010 , 20, 260-73	4.3	15
73	Injectable acrylic bone cements for vertebroplasty based on a radiopaque hydroxyapatite. Bioactivity and biocompatibility. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009 , 88, 103-14	3.5	21
72	Comparative methods for the evaluation of protein adsorption. <i>Macromolecular Bioscience</i> , 2009 , 9, 661-79	3.9	6
71	Polymeric drugs based on bioactive glycosides for the treatment of brain tumours. <i>Biomaterials</i> , 2009 , 30, 1613-26	15.6	25
70	Eugenol derivatives immobilized in auto-polymerizing formulations as an approach to avoid inhibition interferences and improve biofunctionality in dental and orthopedic cements. <i>Acta Biomaterialia</i> , 2009 , 5, 1616-25	10.8	15
69	Foldable antibacterial acrylic intraocular lenses of high refractive index. <i>Biomacromolecules</i> , 2009 , 10, 3055-61	6.9	22
68	Eugenol functionalized poly(acrylic acid) derivatives in the formation of glass-ionomer cements. <i>Dental Materials</i> , 2008 , 24, 1709-16	5.7	21
67	Intrinsically antibacterial materials based on polymeric derivatives of eugenol for biomedical applications. <i>Biomacromolecules</i> , 2008 , 9, 2530-5	6.9	52
66	Modifications of bone cements 2008 , 332-357		3
65	Poly(methylmethacrylate) bone cement: chemical composition and chemistry 2008 , 183-205		3
64	The preparation of high conversion polymeric systems containing eugenol residues and their rheological characterization. <i>Journal of Materials Science: Materials in Medicine</i> , 2008 , 19, 1467-77	4.5	12
63	Acrylic bone cements with bismuth salicylate: Behavior in simulated physiological conditions. <i>Journal of Biomedical Materials Research - Part A</i> , 2007 , 80, 321-32	5.4	11
62	Acrylic injectable and self-curing formulations for the local release of bisphosphonates in bone tissue. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007 , 83, 596-608	3.5	7
61	Biological response of new activated acrylic bone cements with antiseptic properties. Histomorphometric analysis. <i>Journal of Materials Science: Materials in Medicine</i> , 2007 , 18, 933-41	4.5	6
60	Preparation of Targeting Vehicles for The Delivery of N-Bisphosphonates. <i>Key Engineering Materials</i> , 2007 , 330-332, 1041-1044	0.4	
59	Incorporation of 2nd and 3rd Generation Bisphosphonates on Hydroxyfluorapatite. <i>Key Engineering Materials</i> , 2006 , 309-311, 899-902	0.4	1
58	From natural products to polymeric derivatives of "eugenol": a new approach for preparation of dental composites and orthopedic bone cements. <i>Biomacromolecules</i> , 2006 , 7, 2751-61	6.9	76

57	Injectable and self-curing composites of acrylic/bioactive glass and drug systems. A histomorphometric analysis of the behaviour in rabbits. <i>Biomaterials</i> , 2006 , 27, 1778-87	15.6	13
56	Acrylic bone cements modified with beta-TCP particles encapsulated with poly(ethylene glycol). <i>Biomaterials</i> , 2005 , 26, 4309-16	15.6	35
55	Self-curing controlled release systems for steroids. Application of prednisolone-based polymeric systems to ear diseases. <i>Biomaterials</i> , 2005 , 26, 3311-8	15.6	10
54	Comparative study on the properties of acrylic bone cements prepared with either aliphatic or aromatic functionalized methacrylates. <i>Biomaterials</i> , 2005 , 26, 4063-72	15.6	22
53	Surface Modification of Calcium Hydroxyfluor Carbonate Apatites by Bisphosphonates. <i>Key Engineering Materials</i> , 2005 , 284-286, 357-360	0.4	3
52	Injectable self-curing bioactive acrylic-glass composites charged with specific anti-inflammatory/analgesic agent. <i>Biomaterials</i> , 2004 , 25, 2381-92	15.6	43
51	A novel acrylic copolymer for a poly(alkenoate) glass-ionomer cement. <i>Journal of Materials Science: Materials in Medicine</i> , 2003 , 14, 575-81	4.5	8
50	Elimination of barium sulphate from acrylic bone cements. Use of two iodine-containing monomers. <i>Biomaterials</i> , 2003 , 24, 4071-80	15.6	44
49	In Vitro and In Vivo Behaviour of Bioactive Glass Composites Bearing a NSAID. <i>Key Engineering Materials</i> , 2003 , 254-256, 177-180	0.4	3
48	Characterization of new acrylic bone cements prepared with oleic acid derivatives. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 63, 88-97		30
47	Self-curing acrylic formulations containing PMMA/PCL composites: properties and antibiotic release behavior. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 61, 66-74		26
46	Mechanical performance of acrylic bone cements containing different radiopacifying agents. <i>Biomaterials</i> , 2002 , 23, 1873-82	15.6	116
45	New partially degradable and bioactive acrylic bone cements based on starch blends and ceramic fillers. <i>Biomaterials</i> , 2002 , 23, 1883-95	15.6	141
44	Acrylic-phosphate glasses composites as self-curing controlled delivery systems of antibiotics. <i>Journal of Materials Science: Materials in Medicine</i> , 2002 , 13, 1251-7	4.5	11
43	The effect of cross-linking agents on acrylic bone cements containing radiopacifiers. <i>Biomaterials</i> , 2001 , 22, 2177-81	15.6	34
42	Water-soluble esters of biosynthetic poly(Eglutamic acid). <i>Journal of Applied Polymer Science</i> , 2001 , 82, 2027-2036	2.9	7
41	Hydrophilic polymers derived from vitamin E. <i>Journal of Biomaterials Applications</i> , 2000 , 15, 118-39	2.9	3
40	Hydrophilic Polymers Derived from Vitamin E. <i>Journal of Biomaterials Applications</i> , 2000 , 14, 367-388	2.9	2

39	Modified acrylic bone cement with high amounts of ethoxytriethyleneglycol methacrylate. <i>Biomaterials</i> , 1999 , 20, 453-63	15.6	35
38	Radiopaque acrylic cements prepared with a new acrylic derivative of iodo-quinoline. <i>Biomaterials</i> , 1999 , 20, 2047-53	15.6	44
37	Improvement of the mechanical properties of acrylic bone cements by substitution of the radio-opaque agent. <i>Journal of Materials Science: Materials in Medicine</i> , 1999 , 10, 733-7	4.5	26
36	Water absorption characteristics and cytotoxic and biological evaluation of bone cements formulated with a novel activator. <i>Journal of Biomedical Materials Research Part B</i> , 1999 , 48, 719-25		18
35	Hydrophilic acrylic biomaterials derived from vitamin E with antioxidant properties. <i>Journal of Biomedical Materials Research Part B</i> , 1999 , 45, 184-91		22
34	Surface modification tailors the characteristics of biomimetic coatings nucleated on starch-based polymers. <i>Journal of Materials Science: Materials in Medicine</i> , 1999 , 10, 827-35	4.5	50
33	New starch-based thermoplastic hydrogels for use as bone cements or drug-delivery carriers. <i>Journal of Materials Science: Materials in Medicine</i> , 1998 , 9, 825-33	4.5	106
32	Acrylic bone cements incorporating polymeric active components derived from salicylic acid: curing parameters and properties. <i>Journal of Materials Science: Materials in Medicine</i> , 1998 , 9, 679-85	4.5	17
31	Role of amine activators on the curing parameters, properties and toxicity of acrylic bone cements. <i>Polymer International</i> , 1998 , 46, 241-250	3.3	60
30	Application of long chain amine activator in conventional acrylic bone cement. <i>Journal of Biomedical Materials Research Part B</i> , 1998 , 43, 131-9		20
29	Synthesis, characterization and properties of polyacrylic systems derived from vitamin E. <i>Polymer</i> , 1998 , 39, 4107-4114	3.9	18
28	Polymeric Hydrophilic Hydrogels with Flexible Hydrophobic Chains. Control of the Hydration and Interactions with Water Molecules. <i>Macromolecules</i> , 1997 , 30, 8440-8446	5.5	78
27	Optimization of benzoyl peroxide concentration in an experimental bone cement based on poly(methyl methacrylate). <i>Journal of Materials Science: Materials in Medicine</i> , 1997 , 8, 455-60	4.5	51
26	Reactivity of a polymerizable amine activator in the free radical copolymerization with methyl methacrylate and surface properties of copolymers. <i>Polymer</i> , 1997 , 38, 4365-4372	3.9	20
25	Water sorption of flexible networks based on 2-hydroxyethyl methacrylate-triethylenglycol dimethacrylate copolymers. <i>Polymer</i> , 1997 , 38, 5977-5982	3.9	104
24	Analysis of the leaching and toxicity of new amine activators for the curing of acrylic bone cements and composites. <i>Biomaterials</i> , 1997 , 18, 15-20	15.6	39
23	pH-sensitive hydrogels based on non-ionic acrylic copolymers. <i>Biomaterials</i> , 1997 , 18, 521-6	15.6	12
22	Non-ionizable Polyacrylic Hydrogels Sensitive to pH for Biomedical Applications. <i>Polymer International</i> , 1997 , 43, 182-186	3.3	

21	Application of tertiary amines with reduced toxicity to the curing process of acrylic bone cements. <i>Journal of Biomedical Materials Research Part B</i> , 1997 , 34, 129-36		52
20	Effect of crosslinking agents on acrylic bone cements based on poly(methylmethacrylate). <i>Journal of Biomedical Materials Research Part B</i> , 1997 , 37, 465-73		27
19	Hydrogels based on graft copolymerization of 2-hydroxypropyl methacrylate/acrylate mixtures on amylose: swelling behaviour. <i>Polymer</i> , 1996 , 37, 1005-1011	3.9	16
18	Amine activators for the ceric ion-peroxide initiated polymerization of acrylic monomers. <i>Journal of Polymer Science Part A</i> , 1996 , 34, 2783-2789	2.5	34
17	New aspects of the effect of size and size distribution on the setting parameters and mechanical properties of acrylic bone cements. <i>Biomaterials</i> , 1996 , 17, 509-16	15.6	99
16	Relationship between the morphology of PMMA particles and properties of acrylic bone cements. <i>Journal of Materials Science: Materials in Medicine</i> , 1996 , 7, 375-379	4.5	14
15	Mechanical properties of a modified acrylic bone cement with ethoxytriethyleneglycol monomethacrylate. <i>Journal of Materials Science: Materials in Medicine</i> , 1995 , 6, 793-798	4.5	5
14	Hydrogels based on graft copolymerization of HEMA/BMA mixtures onto soluble gelatin: swelling behaviour. <i>Polymer</i> , 1995 , 36, 2311-2314	3.9	31
13	A pH-sensitive hydrogel based on poly(ethoxy triethylene glycol monomethacrylate). <i>Polymer</i> , 1995 , 36, 3327-3333	3.9	19
12	Graft copolymerization of ethyl acrylate with alkyl methacrylates onto amylose initiated by cerium (IV). Microstructure of graft copolymers with respect to statistical copolymers. <i>Polymer</i> , 1994 , 35, 1535-1541	3.9	8
11	Microstructure of copolymers of methacrylonitrile/n-alkyl methacrylate mixtures grafted onto amylose by carbon-13 NMR spectroscopy. <i>Macromolecules</i> , 1993 , 26, 4298-4303	5.5	3
10	Effect of the length of n-alkyl side groups on the microstructure and stereochemistry of methacrylonitrile-alkyl methacrylate copolymers synthesized by free radical polymerization. <i>Polymer</i> , 1993 , 34, 1755-1760	3.9	1
9	Analysis of graft copolymers onto starch by carbon-13 NMR spectroscopy. <i>Macromolecules</i> , 1992 , 25, 3009-3014	5.5	20
8	Synthesis and characterization of graft copolymers of methacrylonitrile/methacrylate mixtures onto amylose by the ceric ion method. <i>Journal of Polymer Science Part A</i> , 1992 , 30, 1541-1548	2.5	18
7	Bulk copolymerization of methacrylonitrile with n-alkyl methacrylates: rate of copolymerization and reactivity ratios. <i>Polymer</i> , 1992 , 33, 1999-2002	3.9	2
6	Synthesis of graft copolymers of acrylic monomers onto amylose. II. Study of the ceric ion behavior. <i>Journal of Applied Polymer Science</i> , 1992 , 45, 981-986	2.9	3
5	Synthesis of graft copolymers of acrylic monomers on amylose: Effect of reaction time. <i>European Polymer Journal</i> , 1992 , 28, 975-979	5.2	15
4	Microstructural analysis of methacrylonitrile-methyl methacrylate copolymers by carbon-13 NMR spectroscopy. <i>Macromolecules</i> , 1991 , 24, 6089-6094	5.5	10

- 3 A study of the graft copolymerization of methacrylic acid onto starch using the H₂O₂/Fe⁺⁺ redox system. *Journal of Polymer Science Part A*, **1989**, 27, 595-603 2.5 13
- 2 Modulated Surface Energy Biomaterials: Preparation and Applications 4815-4846
- 1 Resorbable Polymeric Delivery Systems 6973-6985