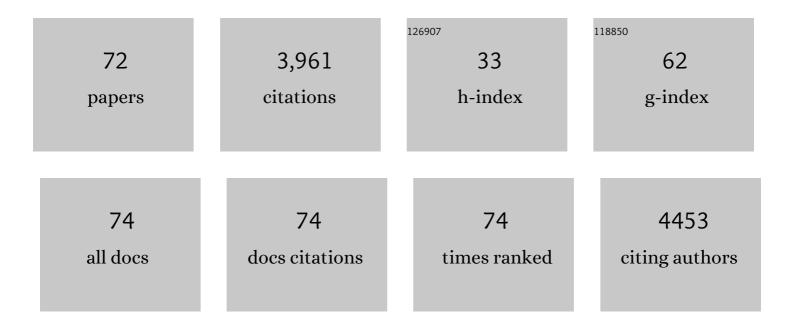
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Highlights on Advancing Frontiers in Tissue Engineering. Tissue Engineering - Part B: Reviews, 2022, 28, 633-664.	4.8	44
2	Polyhydroxyalkanoates and their advances for biomedical applications. Trends in Molecular Medicine, 2022, 28, 331-342.	6.7	35
3	Functionalized tricalcium phosphate and poly(3-hydroxyoctanoate) derived composite scaffolds as platforms for the controlled release of diclofenac. Ceramics International, 2021, 47, 3876-3883.	4.8	13
4	Editorial: Advanced Therapies for Cardiac Regeneration. Frontiers in Bioengineering and Biotechnology, 2021, 9, 644076.	4.1	1
5	Biomedical Applications of Bacteria-Derived Polymers. Polymers, 2021, 13, 1081.	4.5	25
6	Immunomodulatory Activity of Electrospun Polyhydroxyalkanoate Fiber Scaffolds Incorporating Olive Leaf Extract. Applied Sciences (Switzerland), 2021, 11, 4006.	2.5	13
7	Antibacterial Composite Materials Based on the Combination of Polyhydroxyalkanoates With Selenium and Strontium Co-substituted Hydroxyapatite for Bone Regeneration. Frontiers in Bioengineering and Biotechnology, 2021, 9, 647007.	4.1	12
8	Mussel Inspired Chemistry and Bacteria Derived Polymers for Oral Mucosal Adhesion and Drug Delivery. Frontiers in Bioengineering and Biotechnology, 2021, 9, 663764.	4.1	8
9	Preclinical study of peripheral nerve regeneration using nerve guidance conduits based on polyhydroxyalkanaotes. Bioengineering and Translational Medicine, 2021, 6, e10223.	7.1	16
10	Towards More Predictive, Physiological and Animal-free <i>In Vitro</i> Models: Advances in Cell and Tissue Culture 2020 Conference Proceedings. ATLA Alternatives To Laboratory Animals, 2021, 49, 93-110.	1.0	6
11	Bacterial cellulose: A smart biomaterial with diverse applications. Materials Science and Engineering Reports, 2021, 145, 100623.	31.8	120
12	Harnessing Polyhydroxyalkanoates and Pressurized Gyration for Hard and Soft Tissue Engineering. ACS Applied Materials & Interfaces, 2021, 13, 32624-32639.	8.0	27
13	Silver Nanoparticle-Coated Polyhydroxyalkanoate Based Electrospun Fibers for Wound Dressing Applications. Materials, 2021, 14, 4907.	2.9	11
14	Graphene Nanoplatelets Render Poly(3-Hydroxybutyrate) a Suitable Scaffold to Promote Neuronal Network Development. Frontiers in Neuroscience, 2021, 15, 731198.	2.8	8
15	Bioresorbable and Mechanically Optimized Nerve Guidance Conduit Based on a Naturally Derived Medium Chain Length Polyhydroxyalkanoate and Poly(Îμ-Caprolactone) Blend. ACS Biomaterials Science and Engineering, 2021, 7, 672-689.	5.2	11
16	Uncovering the Magnetic Particle Imaging and Magnetic Resonance Imaging Features of Iron Oxide Nanocube Clusters. Nanomaterials, 2021, 11, 62.	4.1	17
17	Controlled Delivery of Pan-PAD-Inhibitor Cl-Amidine Using Poly(3-Hydroxybutyrate) Microspheres. International Journal of Molecular Sciences, 2021, 22, 12852.	4.1	4
18	Editorial: Combating Bacterial Infections Through Biomimetic or Bioinspired Materials Design and Enabling Technologies. Frontiers in Bioengineering and Biotechnology, 2021, 9, 818643.	4.1	0

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19	Chemical Modification of Bacterial Cellulose for the Development of an Antibacterial Wound Dressing. Frontiers in Bioengineering and Biotechnology, 2020, 8, 557885.	4.1	48
20	Toward a Closed Loop, Integrated Biocompatible Biopolymer Wound Dressing Patch for Detection and Prevention of Chronic Wound Infections. Frontiers in Bioengineering and Biotechnology, 2020, 8, 1039.	4.1	9
21	Natural Biomaterials for Cardiac Tissue Engineering: A Highly Biocompatible Solution. Frontiers in Cardiovascular Medicine, 2020, 7, 554597.	2.4	74
22	Bacterial cellulose: Biosynthesis, production, and applications. Advances in Microbial Physiology, 2020, 77, 89-138.	2.4	22
23	Biodegradable Polymeric Micro/Nano-Structures with Intrinsic Antifouling/Antimicrobial Properties: Relevance in Damaged Skin and Other Biomedical Applications. Journal of Functional Biomaterials, 2020, 11, 60.	4.4	30
24	Electrosprayed Chitin Nanofibril/Electrospun Polyhydroxyalkanoate Fiber Mesh as Functional Nonwoven for Skin Application. Journal of Functional Biomaterials, 2020, 11, 62.	4.4	42
25	Cytocompatibility Evaluation of a Novel Series of PEC-Functionalized Lactide-Caprolactone Copolymer Biomaterials for Cardiovascular Applications. Frontiers in Bioengineering and Biotechnology, 2020, 8, 991.	4.1	7
26	Physicochemical and Biological Characterisation of Diclofenac Oligomeric Poly(3-hydroxyoctanoate) Hybrids as β-TCP Ceramics Modifiers for Bone Tissue Regeneration. International Journal of Molecular Sciences, 2020, 21, 9452.	4.1	11
27	Activated Polyhydroxyalkanoate Meshes Prevent Bacterial Adhesion and Biofilm Development in Regenerative Medicine Applications. Frontiers in Bioengineering and Biotechnology, 2020, 8, 442.	4.1	16
28	Comparison of the Influence of 45S5 and Cu-Containing 45S5 Bioactive Glass (BG) on the Biological Properties of Novel Polyhydroxyalkanoate (PHA)/BG Composites. Materials, 2020, 13, 2607.	2.9	9
29	Modulation of neuronal cell affinity of composite scaffolds based on polyhydroxyalkanoates and bioactive glasses. Biomedical Materials (Bristol), 2020, 15, 045024.	3.3	15
30	Picosecond Laser Ablation of Polyhydroxyalkanoates (PHAs): Comparative Study of Neat and Blended Material Response. Polymers, 2020, 12, 127.	4.5	6
31	Antimicrobial Materials with Lime Oil and a Poly(3-hydroxyalkanoate) Produced via Valorisation of Sugar Cane Molasses. Journal of Functional Biomaterials, 2020, 11, 24.	4.4	20
32	Esterase-Cleavable 2D Assemblies of Magnetic Iron Oxide Nanocubes: Exploiting Enzymatic Polymer Disassembling To Improve Magnetic Hyperthermia Heat Losses. Chemistry of Materials, 2019, 31, 5450-5463.	6.7	34
33	Unidirectional neuronal cell growth and differentiation on aligned polyhydroxyalkanoate blend microfibres with varying diameters. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 1581-1594.	2.7	46
34	Green Composites of Poly(3-hydroxybutyrate) Containing Graphene Nanoplatelets with Desirable Electrical Conductivity and Oxygen Barrier Properties. ACS Omega, 2019, 4, 19746-19755.	3.5	22
35	Binary polyhydroxyalkanoate systems for soft tissue engineering. Acta Biomaterialia, 2018, 71, 225-234.	8.3	47
36	Poly(3-hydroxyoctanoate), a promising new material for cardiac tissue engineering. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e495-e512.	2.7	50

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37	Biosynthesis and characterization of a novel, biocompatible medium chain length polyhydroxyalkanoate by Pseudomonas mendocina CH50 using coconut oil as the carbon source. Journal of Materials Science: Materials in Medicine, 2018, 29, 179.	3.6	43
38	In Vivo Tracking and <sup>1</sup> H/ <sup>19</sup> F Magnetic Resonance Imaging of Biodegradable Polyhydroxyalkanoate/Polycaprolactone Blend Scaffolds Seeded with Labeled Cardiac Stem Cells. ACS Applied Materials & Interfaces, 2018, 10, 25056-25068.	8.0	44
39	A strategy for dual biopolymer production of P(3HB) and γ-PGA. Journal of Chemical Technology and Biotechnology, 2017, 92, 1548-1557.	3.2	10
40	Synthesis of graft copolymers based on hyaluronan and poly(3-hydroxyalkanoates). Carbohydrate Polymers, 2017, 171, 220-228.	10.2	27
41	Highly elastomeric poly(3-hydroxyoctanoate) based natural polymer composite for enhanced keratinocyte regeneration. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 326-335.	3.4	22
42	Production of a novel medium chain length poly(3â€hydroxyalkanoate) using unprocessed biodiesel waste and its evaluation as a tissue engineering scaffold. Microbial Biotechnology, 2017, 10, 1384-1399.	4.2	40
43	P(3HB) Based Magnetic Nanocomposites: Smart Materials for Bone Tissue Engineering. Journal of Nanomaterials, 2016, 2016, 1-14.	2.7	11
44	Making Nonwoven Fibrous Poly(εâ€caprolactone) Constructs for Antimicrobial and Tissue Engineering Applications by Pressurized Melt Gyration. Macromolecular Materials and Engineering, 2016, 301, 922-934.	3.6	42
45	Composite scaffolds for cartilage tissue engineering based on natural polymers of bacterial origin, thermoplastic poly(3â€hydroxybutyrate) and microâ€fibrillated bacterial cellulose. Polymer International, 2016, 65, 780-791.	3.1	38
46	Tuning core hydrophobicity of spherical polymeric nanoconstructs for docetaxel delivery. Polymer International, 2016, 65, 741-746.	3.1	22
47	Novel poly(3â€hydroxybutyrate) composite films containing bioactive glass nanoparticles for wound healing applications. Polymer International, 2016, 65, 661-674.	3.1	34
48	Nanofibrous poly(3-hydroxybutyrate)/poly(3-hydroxyoctanoate) scaffolds provide a functional microenvironment for cartilage repair. Journal of Biomaterials Applications, 2016, 31, 77-91.	2.4	47
49	Advances in Drug Delivery. Journal of Chemical Technology and Biotechnology, 2015, 90, 1167-1168.	3.2	5
50	Nerve tissue engineering using blends of poly(3â€hydroxyalkanoates) for peripheral nerve regeneration. Engineering in Life Sciences, 2015, 15, 612-621.	3.6	59
51	Polyhydroxyalkanoates, a family of natural polymers, and their applications in drug delivery. Journal of Chemical Technology and Biotechnology, 2015, 90, 1209-1221.	3.2	108
52	Dual production of biopolymers from bacteria. Carbohydrate Polymers, 2015, 126, 47-51.	10.2	44
53	Proteomics analysis of Bacillus licheniformis in response to oligosaccharides elicitors. Enzyme and Microbial Technology, 2014, 61-62, 61-66.	3.2	6
54	Agro-Industrial Waste Materials as Substrates for the Production of Poly(3-Hydroxybutyric Acid). Journal of Biomaterials and Nanobiotechnology, 2014, 05, 229-240.	0.5	42

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55	Composite polymer-bioceramic scaffolds with drug delivery capability for bone tissue engineering. Expert Opinion on Drug Delivery, 2013, 10, 1353-1365.	5.0	91
56	Aspirin-loaded P(3HO)/P(3HB) blend films: potential materials for biodegradable drug-eluting stents. Bioinspired, Biomimetic and Nanobiomaterials, 2013, 2, 141-153.	0.9	13
57	Novel Biodegradable and Biocompatible Poly(3â€hydroxyoctanoate)/Bacterial Cellulose Composites. Advanced Engineering Materials, 2012, 14, B330.	3.5	24
58	Poly(3â€hydroxybutyrate) production by <i>Bacillus cereus</i> SPV using sugarcane molasses as the main carbon source. Biotechnology Journal, 2012, 7, 293-303.	3.5	59
59	Poly-3-hydroxyoctanoate P(3HO), a Medium Chain Length Polyhydroxyalkanoate Homopolymer from Pseudomonas mendocina. Biomacromolecules, 2011, 12, 2126-2136.	5.4	93
60	The homopolymer poly(3â€hydroxyoctanoate) as a matrix material for soft tissue engineering. Journal of Applied Polymer Science, 2011, 122, 3606-3617.	2.6	20
61	Controlled Delivery of Gentamicin Using Poly(3-hydroxybutyrate) Microspheres. International Journal of Molecular Sciences, 2011, 12, 4294-4314.	4.1	73
62	<i>In vitro</i> production of polyhydroxyalkanoates: achievements and applications. Journal of Chemical Technology and Biotechnology, 2010, 85, 760-767.	3.2	39
63	The Influence of Tetracycline Loading on the Surface Morphology and Biocompatibility of Films Made from P(3HB) Microspheres. Advanced Engineering Materials, 2010, 12, B260.	3.5	6
64	Production of polyhydroxyalkanoates: the future green materials of choice. Journal of Chemical Technology and Biotechnology, 2010, 85, 732-743.	3.2	308
65	Multi-functional P(3HB) microsphere/45S5 Bioglass®-based composite scaffolds for bone tissue engineering. Acta Biomaterialia, 2010, 6, 2773-2786.	8.3	82
66	Polyhydroxyalkanoates: bioplastics with a green agenda. Current Opinion in Microbiology, 2010, 13, 321-326.	5.1	435
67	Metabolite profiles of interacting mycelial fronts differ for pairings of the wood decay basidiomycete fungus, Stereum hirsutum with its competitors Coprinus micaceus and Coprinus disseminatus. Metabolomics, 2008, 4, 52-62.	3.0	63
68	Comparison of nanoscale and microscale bioactive glass on the properties of P(3HB)/Bioglass® composites. Biomaterials, 2008, 29, 1750-1761.	11.4	305
69	Fabrication and Characterization of Biodegradable Poly(3-hydroxybutyrate) Composite Containing Bioglass. Biomacromolecules, 2007, 8, 2112-2119.	5.4	72
70	Polyhydroxyalkanoate (PHA)/Inorganic Phase Composites for Tissue Engineering Applications. Biomacromolecules, 2006, 7, 2249-2258.	5.4	335
71	Biomedical applications of polyhydroxyalkanoates, an overview of animal testing andin vivoresponses. Expert Review of Medical Devices, 2006, 3, 853-868.	2.8	221
72	Polyhydroxyalkanoates in Gram-positive bacteria: insights from the genera Bacillus and Streptomyces. Antonie Van Leeuwenhoek, 2006, 91, 1-17.	1.7	195