# Emanuel M Fernandes

List of Publications by Year
in descending order



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|---|---|---|---|
| 38 papers | 1,845 citations | 430874 18 h-index | 377865 34 g-index |
| 40 all docs | 40 docs citations | 40 times ranked | 2525 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Cork: properties, capabilities and applications. International Materials Reviews, 2005, 50, 345-365. | 19.3 | 499 |
| 2 | Bionanocomposites from lignocellulosic resources: Properties, applications and future trends for their use in the biomedical field. Progress in Polymer Science, 2013, 38, 1415-1441. | 24.7 | 224 |
| 3 | Activated carbons prepared from industrial pre-treated cork: Sustainable adsorbents for pharmaceutical compounds removal. Chemical Engineering Journal, 2014, 253, 408-417. | 12.7 | 121 |
| 4 | Hybrid corkâ€“polymer composites containing sisal fibre: Morphology, effect of the fibre treatment on the mechanical properties and tensile failure prediction. Composite Structures, 2013, 105, 153-162. | 5.8 | 104 |
| 5 | Novel corkâ€“polymer composites reinforced with short natural coconut fibres: Effect of fibre loading and coupling agent addition. Composites Science and Technology, 2013, 78, 56-62. | 7.8 | 86 |
| 6 | Antimicrobial coating of spider silk to prevent bacterial attachment on silk surgical sutures. Acta Biomaterialia, 2019, 99, 236-246. | 8.3 | 72 |
| 7 | New biotextiles for tissue engineering: Development, characterization and in vitro cellular viability. Acta Biomaterialia, 2013, 9, 8167-8181. | 8.3 | 65 |
| 8 | Bioactive macro/micro porous silk fibroin/nano-sized calcium phosphate scaffolds with potential for bone-tissue-engineering applications. Nanomedicine, 2013, 8, 359-378. | 3.3 | 60 |
| 9 | Cork based composites using polyolefinâ€™s as matrix: Morphology and mechanical performance. Composites Science and Technology, 2010, 70, 2310-2318. | 7.8 | 59 |
| 10 | Properties of new corkâ€“polymer composites: Advantages and drawbacks as compared with commercially available fibreboard materials. Composite Structures, 2011, 93, 3120-3120. | 5.8 | 54 |
| 11 | Functionalized cork-polymer composites (CPC) by reactive extrusion using suberin and lignin from cork as coupling agents. Composites Part B: Engineering, 2014, 67, 371-380. | 12.0 | 53 |
| 12 | Marine Collagen/Apatite Composite Scaffolds Envisaging Hard Tissue Applications. Marine Drugs, 2018, 16, 269. | 4.6 | 51 |
| 13 | Corkâ€“polymer biocomposites: Mechanical, structural and thermal properties. Materials and Design, 2015, 82, 282-289. | 7.0 | 50 |
| 14 | Polypropylene-based corkâ€“polymer composites: Processing parameters and properties. Composites Part B: Engineering, 2014, 66, 210-223. | 12.0 | 46 |
| 15 | Spatial immobilization of endogenous growth factors to control vascularization in bone tissue engineering. Biomaterials Science, 2020, 8, 2577-2589. | 5.4 | 38 |
| 16 | Engineering 3D printed bioactive composite scaffolds based on the combination of aliphatic polyester and calcium phosphates for bone tissue regeneration. Materials Science and Engineering C, 2021, 122, 111928. | 7.3 | 32 |
| 17 | Structural monitoring and modeling of the mechanical deformation of three-dimensional printed poly( <i>Îµ</i> -caprolactone) scaffolds. Biofabrication, 2017, 9, 025015. | 7.1 | 30 |
| 18 | An Overview of the Antimicrobial Properties of Lignocellulosic Materials. Molecules, 2021, 26, 1749. | 3.8 | 27 |

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|---|---|---|---|
| 19 | Cork: properties, capabilities and applications. International Materials Reviews, 2008, 53, 256-256. | 19.3 | 19 |
| 20 | Cork extractives exhibit thermo-oxidative protection properties in polypropyleneâ€“cork composites and as direct additives for polypropylene. Polymer Degradation and Stability, 2015, 116, 45-52. | 5.8 | 18 |
| 21 | Gradual pore formation in natural origin scaffolds throughout subcutaneous implantation. Journal of Biomedical Materials Research - Part A, 2012, 100A, 599-612. | 4.0 | 17 |
| 22 | Show your beaks and we tell you what you eat: Different ecology in sympatric Antarctic benthic octopods under a climate change context. Marine Environmental Research, 2019, 150, 104757. | 2.5 | 15 |
| 23 | Manufacturing and Characterization of Coatings from Polyamide Powders Functionalized with Nanosilica. Polymers, 2020, 12, 2298. | 4.5 | 15 |
| 24 | Fish sarcoplasmic proteins as a high value marine material for wound dressing applications. Colloids and Surfaces B: Biointerfaces, 2018, 167, 310-317. | 5.0 | 12 |
| 25 | Development and characterisation of cytocompatible polyester substrates with tunable mechanical properties and degradation rate. Acta Biomaterialia, 2021, 121, 303-315. | 8.3 | 12 |
| 26 | Silk fibroin/cholinium gallate-based architectures as therapeutic tools. Acta Biomaterialia, 2022, 147, 168-184. | 8.3 | 11 |
| 27 | Approach on chitosan/virgin coconut oil-based emulsion matrices as a platform to design superabsorbent materials. Carbohydrate Polymers, 2020, 249, 116839. | 10.2 | 9 |
| 28 | Fundamentals on biopolymers and global demand. , 2020, , 3-34. | | 9 |
| 29 | Chitosan/Î²-TCP composites scaffolds coated with silk fibroin: a bone tissue engineering approach. Biomedical Materials (Bristol), 2022, 17, 015003. | 3.3 | 7 |
| 30 | Tailoring Natural-Based Oleogels Combining Ethylcellulose and Virgin Coconut Oil. Polymers, 2022, 14, 2473. | 4.5 | 6 |
| 31 | Cork biomass biocomposites. , 2017, , 365-385. | | 4 |
| 32 | Bovine Colostrum Supplementation Improves Bone Metabolism in an Osteoporosis-Induced Animal Model. Nutrients, 2021, 13, 2981. | 4.1 | 4 |
| 33 | Modulation of stem cell response using biodegradable polyester films with different stiffness. Biomedical Engineering Advances, 2021, 2, 100007. | 3.8 | 4 |
| 34 | Physicochemical features assessment of acemannan-based ternary blended films for biomedical purposes. Carbohydrate Polymers, 2021, 257, 117601. | 10.2 | 3 |
| 35 | Natural Fibres as Reinforcement Strategy on Cork-Polymer Composites. Materials Science Forum, 2012, 730-732, 373-378. | 0.3 | 2 |
| 36 | Biopolymer membranes in tissue engineering. , 2020, , 141-163. | | 2 |

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| 37 | Pharmacological and Non-Pharmacological Agents versus Bovine Colostrum Supplementation for the Management of Bone Health Using an Osteoporosis-Induced Rat Model. Nutrients, 2022, 14, 2837. | 4.1 | 2 |
| 38 | Characterisation of eumelanin-chitosan films. Acta Horticulturae, 2018, , 219-224. | 0.2 | 0 |