

Ana Catarina Vale

List of Publications by Year in Descending Order

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

28

papers

460

citations

12

h-index

20

g-index

31

ext. papers

583

ext. citations

4.8

avg, IF

3.68

L-index

#	Paper	IF	Citations
28	Adhesive and biodegradable membranes made of sustainable catechol-functionalized marine collagen and chitosan.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 213, 112409	6	3
27	Poly(Lactic Acid)/Graphite Nanoplatelet Nanocomposite Filaments for Ligament Scaffolds. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
26	3D-printed cryomilled poly(Ecaprolactone)/graphene composite scaffolds for bone tissue regeneration. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021 , 109, 961-972	3.5	8
25	Polymeric biomaterials inspired by marine mussel adhesive proteins. <i>Reactive and Functional Polymers</i> , 2021 , 159, 104802	4.6	5
24	Spin-coated freestanding films for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 3778-3799	7.3	7
23	Green Pathway for Processing Non-mulberry Antheraea pernyi Silk Fibroin/Chitin-Based Sponges: Biophysical and Biochemical Characterization. <i>Frontiers in Materials</i> , 2020 , 7,	4	4
22	Spin-Coated Polysaccharide-Based Multilayered Freestanding Films with Adhesive and Bioactive Moieties. <i>Molecules</i> , 2020 , 25,	4.8	7
21	Bioactive and adhesive properties of multilayered coatings based on catechol-functionalized chitosan/hyaluronic acid and bioactive glass nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2020 , 157, 119-134	7.9	13
20	Layer-by-layer films based on catechol-modified polysaccharides produced by dip- and spin-coating onto different substrates. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020 , 108, 1412-1427	3.5	9
19	Antibacterial free-standing polysaccharide composite films inspired by the sea. <i>International Journal of Biological Macromolecules</i> , 2019 , 133, 933-944	7.9	13
18	Optimization of silver-containing bioglass nanoparticles envisaging biomedical applications. <i>Materials Science and Engineering C</i> , 2019 , 94, 161-168	8.3	28
17	Novel Antibacterial and Bioactive Silicate Glass Nanoparticles for Biomedical Applications. <i>Advanced Engineering Materials</i> , 2018 , 20, 1700855	3.5	6
16	Biomedical films of graphene nanoribbons and nanoflakes with natural polymers. <i>RSC Advances</i> , 2017 , 7, 27578-27594	3.7	12
15	Antibacterial bioadhesive layer-by-layer coatings for orthopedic applications. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 5385-5393	7.3	41
14	Adhesive Bioactive Coatings Inspired by Sea Life. <i>Langmuir</i> , 2016 , 32, 560-8	4	32
13	Biomechanical Properties of the Equine Third Metacarpal Bone: InVivo Quantitative Ultrasonography Versus ExVivo Compression and Bending Techniques. <i>Journal of Equine Veterinary Science</i> , 2015 , 35, 198-205	1.2	6
12	Arthritis induces early bone high turnover, structural degradation and mechanical weakness. <i>PLoS ONE</i> , 2015 , 10, e0117100	3.7	8

11	Rheumatoid arthritis bone fragility is associated with upregulation of IL17 and DKK1 gene expression. <i>Clinical Reviews in Allergy and Immunology</i> , 2014 , 47, 38-45	12.3	25
10	Micro-computed tomography and compressive characterization of trabecular bone. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 438, 199-205	5.1	12
9	Antifungal activity of dental resins containing amphotericin B-conjugated nanoparticles. <i>Dental Materials</i> , 2013 , 29, e252-62	5.7	14
8	Effect of the strain rate on the twisting of trabecular bone from women with hip fracture. <i>Journal of Biomechanical Engineering</i> , 2013 , 135, 121005	2.1	5
7	At the moment of occurrence of a fragility hip fracture, men have higher mechanical properties values in comparison with women. <i>BMC Musculoskeletal Disorders</i> , 2013 , 14, 295	2.8	6
6	Micro-computed tomography assessment of human femoral trabecular bone for two disease groups (Fragility fracture and coxarthrosis): Age and gender related effects on the microstructure. <i>Journal of Biomedical Science and Engineering</i> , 2013 , 06, 175-184	0.7	4
5	Low osteocalcin/collagen type I bone gene expression ratio is associated with hip fragility fractures. <i>Bone</i> , 2012 , 51, 981-9	4.7	19
4	Smoking is a predictor of worse trabecular mechanical performance in hip fragility fracture patients. <i>Journal of Bone and Mineral Metabolism</i> , 2012 , 30, 692-9	2.9	8
3	A Method for the Evaluation of Femoral Head Trabecular Bone Compressive Properties. <i>Materials Science Forum</i> , 2012 , 730-732, 3-8	0.4	3
2	Rheumatoid arthritis is associated with increased DKK1 expression and disturbances in the bone turnover regulating genes. <i>Journal of Translational Medicine</i> , 2011 , 9,	8.5	78
1	Apolipoprotein E and undercarboxylated osteocalcin are associated with bone fragility but not with bone mineral density in osteoarthritis patients. <i>Journal of Translational Medicine</i> , 2011 , 9,	8.5	78