

# Filipe V Ferreira

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

2,146  
citations

279487

23  
h-index

377514

34  
g-index

36  
all docs

36  
docs citations

36  
times ranked

2339  
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview on properties and applications of poly(butylene adipate-terephthalate) "PBAT based composites. <i>Polymer Engineering and Science</i> , 2019, 59, E7.	1.5	257
2	Mechanical, rheological and degradation properties of PBAT nanocomposites reinforced by functionalized cellulose nanocrystals. <i>European Polymer Journal</i> , 2017, 97, 356-365.	2.6	170
3	How do cellulose nanocrystals affect the overall properties of biodegradable polymer nanocomposites: A comprehensive review. <i>European Polymer Journal</i> , 2018, 108, 274-285.	2.6	150
4	Porous nanocellulose gels and foams: Breakthrough status in the development of scaffolds for tissue engineering. <i>Materials Today</i> , 2020, 37, 126-141.	8.3	134
5	Effects of octadecylamine functionalization of carbon nanotubes on dispersion, polarity, and mechanical properties of CNT/HDPE nanocomposites. <i>Journal of Materials Science</i> , 2018, 53, 14311-14327.	1.7	132
6	Isolation and surface modification of cellulose nanocrystals from sugarcane bagasse waste: From a micro- to a nano-scale view. <i>Applied Surface Science</i> , 2018, 436, 1113-1122.	3.1	129
7	Polymer Composites Reinforced with Natural Fibers and Nanocellulose in the Automotive Industry: A Short Review. <i>Journal of Composites Science</i> , 2019, 3, 51.	1.4	124
8	Functionalized graphene oxide as reinforcement in epoxy based nanocomposites. <i>Surfaces and Interfaces</i> , 2018, 10, 100-109.	1.5	111
9	Nanocellulose/bioactive glass cryogels as scaffolds for bone regeneration. <i>Nanoscale</i> , 2019, 11, 19842-19849.	2.8	93
10	Functionalized cellulose nanocrystals as reinforcement in biodegradable polymer nanocomposites. <i>Polymer Composites</i> , 2018, 39, E9.	2.3	88
11	Dodecylamine functionalization of carbon nanotubes to improve dispersion, thermal and mechanical properties of polyethylene based nanocomposites. <i>Applied Surface Science</i> , 2017, 410, 267-277.	3.1	81
12	Correlation of surface treatment, dispersion and mechanical properties of HDPE/CNT nanocomposites. <i>Applied Surface Science</i> , 2016, 389, 921-929.	3.1	76
13	Carbon nanotube functionalized with dodecylamine for the effective dispersion in solvents. <i>Applied Surface Science</i> , 2015, 357, 2154-2159.	3.1	61
14	Functionalization of Multi-Walled Carbon Nanotube and Mechanical Property of Epoxy-Based Nanocomposite. <i>Journal of Aerospace Technology and Management</i> , 2015, 7, 289-293.	0.3	52
15	Biodegradable PBAT-Based Nanocomposites Reinforced with Functionalized Cellulose Nanocrystals from <i>Pseudobombax munguba</i> : Rheological, Thermal, Mechanical and Biodegradability Properties. <i>Journal of Polymers and the Environment</i> , 2019, 27, 757-766.	2.4	52
16	Environmentally friendly polymer composites based on PBAT reinforced with natural fibers from the amazon forest. <i>Polymer Composites</i> , 2019, 40, 3351-3360.	2.3	45
17	Influence of carbon nanotube concentration and sonication temperature on mechanical properties of HDPE/CNT nanocomposites. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017, 25, 531-539.	1.0	41
18	Silver nanoparticles coated with dodecanethiol used as fillers in non-cytotoxic and antifungal PBAT surface based on nanocomposites. <i>Materials Science and Engineering C</i> , 2019, 98, 800-807.	3.8	37

#	ARTICLE	IF	CITATIONS
19	Functionalizing Graphene and Carbon Nanotubes. SpringerBriefs in Applied Sciences and Technology, 2016, , .	0.2	32
20	Cellulose nanocrystalâ€based poly(butylene adipateâ€coâ€terephthalate) nanocomposites covered with antimicrobial silver thin films. Polymer Engineering and Science, 2019, 59, E356.	1.5	31
21	Evaluation of effectiveness of 45S5 bioglass doped with niobium for repairing criticalâ€sized bone defect in in vitro and in vivo models. Journal of Biomedical Materials Research - Part A, 2020, 108, 446-457.	2.1	31
22	Ultrathin polymer fibers hybridized with bioactive ceramics: A review on fundamental pathways of electrospinning towards bone regeneration. Materials Science and Engineering C, 2021, 123, 111853.	3.8	28
23	LDPE-based composites reinforced with surface modified cellulose fibres: 3D morphological and morphometrical analyses to understand the improved mechanical performance. European Polymer Journal, 2019, 117, 105-113.	2.6	26
24	How Do CNT affect the branch and crosslink reactions in CNT-epoxy. Materials Research Express, 2017, 4, 105101.	0.8	21
25	A Combined Computational and Experimental Study on the Polymerization of Îµ-Caprolactone. Industrial & Engineering Chemistry Research, 2018, 57, 13387-13395.	1.8	20
26	Synthesis, Characterization, and Applications of Carbon Nanotubes. , 2019, , 1-45.		20
27	In vitro and in vivo osteogenic potential of niobiumâ€doped 45S5 bioactive glass: A comparative study. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 1372-1387.	1.6	19
28	Functionalization of Carbon Nanotube and Applications. SpringerBriefs in Applied Sciences and Technology, 2016, , 31-61.	0.2	15
29	Correlation between water absorption and mechanical properties of polyamide 6 filled with layered double hydroxides (LDH). Materials Research Express, 2018, 5, 065004.	0.8	15
30	Functionalization of Graphene and Applications. SpringerBriefs in Applied Sciences and Technology, 2016, , 1-29.	0.2	12
31	Electrospun Nanofibrous Architectures of Thrombin-Loaded Poly(ethylene oxide) for Faster <i>in Vivo</i> Wound Clotting. ACS Applied Bio Materials, 2021, 4, 5240-5250.	2.3	10
32	Engineering the surface of carbon-based nanomaterials for dispersion control in organic solvents or polymer matrices. Surfaces and Interfaces, 2021, 24, 101121.	1.5	10
33	Modeling of Ring Opening Polymerization: A short review with insights on how to develop the method of moments. Chemical Engineering Science, 2021, 246, 116934.	1.9	10
34	Synthesis and analysis of phase segregation of polystyreneâ€poly(methyl Tj ETQq0 0 0 rgBT /Overlock 10 T polystyrene and poly(methyl methacrylate). Journal of Applied Polymer Science, 2020, 137, 49416.	1.3	6
35	Cellulose nanocrystals as initiator of ring-opening polymerization of Îµ-caprolactone: Mathematical modeling and experimental verification. European Polymer Journal, 2022, 170, 111171.	2.6	4
36	Processing of nanocellulose-based composites. , 2020, , 431-448.		3