

# Ines C Gonalves

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

2,003  
citations

257450

24  
h-index

276875

41  
g-index

44  
all docs

44  
docs citations

44  
times ranked

3410  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene-based materials biocompatibility: A review. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 188-202.	5.0	470
2	Fibrinogen adsorption, platelet adhesion and activation on mixed hydroxyl-/methyl-terminated self-assembled monolayers. <i>Biomaterials</i> , 2006, 27, 5357-5367.	11.4	217
3	Biocompatibility of poly(lactic acid) with incorporated graphene-based materials. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 104, 229-238.	5.0	136
4	Poly(lactic acid) Composites Containing Carbon-Based Nanomaterials: A Review. <i>Polymers</i> , 2017, 9, 269.	4.5	109
5	Fabrication and antimicrobial performance of surfaces integrating graphene-based materials. <i>Carbon</i> , 2018, 132, 709-732.	10.3	70
6	Smaller particle size and higher oxidation improves biocompatibility of graphene-based materials. <i>Carbon</i> , 2016, 99, 318-329.	10.3	62
7	Modulation of stability and mucoadhesive properties of chitosan microspheres for therapeutic gastric application. <i>International Journal of Pharmaceutics</i> , 2013, 454, 116-124.	5.2	53
8	Effect of surface chemistry on bacterial adhesion, viability, and morphology. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 99A, 344-353.	4.0	49
9	The potential utility of chitosan micro/nanoparticles in the treatment of gastric infection. <i>Expert Review of Anti-Infective Therapy</i> , 2014, 12, 981-992.	4.4	49
10	Antimicrobial graphene nanoplatelets coatings for silicone catheters. <i>Carbon</i> , 2018, 139, 635-647.	10.3	48
11	Docosahexaenoic acid loaded lipid nanoparticles with bactericidal activity against <i>Helicobacter pylori</i> . <i>International Journal of Pharmaceutics</i> , 2017, 519, 128-137.	5.2	47
12	Polymer surface adsorption as a strategy to improve the biocompatibility of graphene nanoplatelets. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 818-824.	5.0	39
13	Protein adsorption on 18-alkyl chains immobilized on hydroxyl-terminated self-assembled monolayers. <i>Biomaterials</i> , 2005, 26, 3891-3899.	11.4	38
14	Effect of biodegradation on thermo-mechanical properties and biocompatibility of poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	9.4	38
15	Effect of gastric environment on <i>Helicobacter pylori</i> adhesion to a mucoadhesive polymer. <i>Acta Biomaterialia</i> , 2013, 9, 5208-5215.	8.3	37
16	Biocompatible reinforcement of poly(Lactic acid) with graphene nanoplatelets. <i>Polymer Composites</i> , 2018, 39, E308.	4.6	35
17	Adsorption of fluorobenzene onto granular activated carbon: Isotherm and bioavailability studies. <i>Bioresource Technology</i> , 2007, 98, 3424-3430.	9.6	34
18	Graphene Surfaces Interaction with Proteins, Bacteria, Mammalian Cells, and Blood Constituents: The Impact of Graphene Platelet Oxidation and Thickness. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 21020-21035.	8.0	34

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19	Protein adsorption and clotting time of pHEMA hydrogels modified with C18 ligands to adsorb albumin selectively and reversibly. <i>Biomaterials</i> , 2009, 30, 5541-5551.	11.4	32
20	Lipid nanoparticles to counteract gastric infection without affecting gut microbiota. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 127, 378-386.	4.3	31
21	Hydrolysis of $\alpha$ -lactalbumin by cardosin A immobilized on highly activated supports. <i>Enzyme and Microbial Technology</i> , 2003, 33, 908-916.	3.2	29
22	Bacterial-binding chitosan microspheres for gastric infection treatment and prevention. <i>Acta Biomaterialia</i> , 2013, 9, 9370-9378.	8.3	29
23	Incorporation of graphene oxide into poly( $\epsilon$ -caprolactone) 3D printed fibrous scaffolds improves their antimicrobial properties. <i>Materials Science and Engineering C</i> , 2020, 109, 110537.	7.3	28
24	Graphene oxide-reinforced poly(2-hydroxyethyl methacrylate) hydrogels with extreme stiffness and high-strength. <i>Composites Science and Technology</i> , 2019, 184, 107819.	7.8	26
25	Carbon nanomaterials for phototherapy of cancer and microbial infections. <i>Carbon</i> , 2022, 190, 194-244.	10.3	24
26	Near-Infrared Radiation-Based Mild Photohyperthermia Therapy of Non-Melanoma Skin Cancer with PEGylated Reduced Nanographene Oxide. <i>Polymers</i> , 2020, 12, 1840.	4.5	23
27	Selective protein adsorption modulates platelet adhesion and activation to oligo(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 22 Research - Part A, 2009, 89A, 642-653.	4.0	22
28	Surface Grafted MSI-78A Antimicrobial Peptide has High Potential for Gastric Infection Management. <i>Scientific Reports</i> , 2019, 9, 18212.	3.3	21
29	Platelet and leukocyte adhesion to albumin binding self-assembled monolayers. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 2053-2063.	3.6	20
30	Orally administrated chitosan microspheres bind <i>Helicobacter pylori</i> and decrease gastric infection in mice. <i>Acta Biomaterialia</i> , 2020, 114, 206-220.	8.3	19
31	Exposure of Smaller and Oxidized Graphene on Polyurethane Surface Improves its Antimicrobial Performance. <i>Nanomaterials</i> , 2020, 10, 349.	4.1	19
32	The effect of octadecyl chain immobilization on the hemocompatibility of poly (2-hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	11.4	18
33	Bacteria-targeted biomaterials: Glycan-coated microspheres to bind <i>Helicobacter pylori</i> . <i>Acta Biomaterialia</i> , 2016, 33, 40-50.	8.3	15
34	Graphene-based materials: the key for the successful application of pHEMA as a blood-contacting device. <i>Biomaterials Science</i> , 2021, 9, 3362-3377.	5.4	14
35	Adhesion of human leukocytes on mixtures of hydroxyl- and methyl-terminated self-assembled monolayers: Effect of blood protein adsorption. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 12-19.	4.0	11
36	Graphene Oxide Topical Administration: Skin Permeability Studies. <i>Materials</i> , 2021, 14, 2810.	2.9	11

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37	Recent advances on bioprinting of hydrogels containing carbon materials. <i>Materials Today Chemistry</i> , 2022, 23, 100617.	3.5	11
38	Graphene Oxide Coating Improves the Mechanical and Biological Properties of Decellularized Umbilical Cord Arteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 32662-32672.	8.0	10
39	Graphene films irradiated with safe low-power NIR-emitting diodes kill multidrug resistant bacteria. <i>Carbon</i> , 2021, 180, 10-21.	10.3	10
40	Using Graphene-Based Materials for Stiff and Strong Poly(ethylene glycol) Hydrogels. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2312.	4.1	7
41	In vitro interaction of polymeric biomaterials with cells. , 2017, , 285-315.		3
42	Carbon Biomaterials. , 2020, , 327-360.		0