

Ilã-dio J Correia

List of Publications by Year in descending order

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165
papers

10,376
citations

26630

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166
docs citations

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times ranked

13544
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances on antimicrobial wound dressing: A review. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 127, 130-141.	4.3	650
2	3D tumor spheroids: an overview on the tools and techniques used for their analysis. <i>Biotechnology Advances</i> , 2016, 34, 1427-1441.	11.7	579
3	3D tumor spheroids as in vitro models to mimic in vivo human solid tumors resistance to therapeutic drugs. <i>Biotechnology and Bioengineering</i> , 2019, 116, 206-226.	3.3	464
4	Hyaluronic acid-Based wound dressings: A review. <i>Carbohydrate Polymers</i> , 2020, 241, 116364.	10.2	387
5	Electrospun polymeric nanofibres as wound dressings: A review. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 169, 60-71.	5.0	272
6	Development of a new chitosan hydrogel for wound dressing. <i>Wound Repair and Regeneration</i> , 2009, 17, 817-824.	3.0	256
7	Asymmetric membranes as ideal wound dressings: An overview on production methods, structure, properties and performance relationship. <i>Journal of Membrane Science</i> , 2015, 490, 139-151.	8.2	235
8	Thermo-responsive chitosan-agarose hydrogel for skin regeneration. <i>Carbohydrate Polymers</i> , 2014, 111, 366-373.	10.2	226
9	Overview of the application of inorganic nanomaterials in cancer photothermal therapy. <i>Biomaterials Science</i> , 2020, 8, 2990-3020.	5.4	208
10	Strategies to Improve Cancer Photothermal Therapy Mediated by Nanomaterials. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700073.	7.6	205
11	Chitosan based-asymmetric membranes for wound healing: A review. <i>International Journal of Biological Macromolecules</i> , 2019, 127, 460-475.	7.5	186
12	Preparation and chemical and biological characterization of a pectin/chitosan polyelectrolyte complex scaffold for possible bone tissue engineering applications. <i>International Journal of Biological Macromolecules</i> , 2011, 48, 112-118.	7.5	166
13	Biocompatible Polyurea Dendrimers with pH-Dependent Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5162-5165.	13.8	153
14	Stimuli-responsive mesoporous silica nanoparticles for cancer therapy: A review. <i>Microporous and Mesoporous Materials</i> , 2016, 236, 141-157.	4.4	144
15	Dextran-based hydrogel containing chitosan microparticles loaded with growth factors to be used in wound healing. <i>Materials Science and Engineering C</i> , 2013, 33, 2958-2966.	7.3	143
16	Electrospun Polycaprolactone/Aloe Vera_Chitosan Nanofibrous Asymmetric Membranes Aimed for Wound Healing Applications. <i>Polymers</i> , 2017, 9, 183.	4.5	141
17	Chitosan/arginine-chitosan polymer blends for assembly of nanofibrous membranes for wound regeneration. <i>Carbohydrate Polymers</i> , 2015, 130, 104-112.	10.2	131
18	An overview of electrospun membranes loaded with bioactive molecules for improving the wound healing process. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 139, 1-22.	4.3	129

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19	Production and characterization of chitosan/gelatin/β-TCP scaffolds for improved bone tissue regeneration. <i>Materials Science and Engineering C</i> , 2015, 55, 592-604.	7.3	128
20	Production and characterization of polycaprolactone- hyaluronic acid/chitosan- zein electrospun bilayer nanofibrous membrane for tissue regeneration. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 1100-1110.	7.5	127
21	Spheroids Formation on Non-Adhesive Surfaces by Liquid Overlay Technique: Considerations and Practical Approaches. <i>Biotechnology Journal</i> , 2018, 13, 1700417.	3.5	115
22	Optimization of liquid overlay technique to formulate heterogenic 3D co-cultures models. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1672-1685.	3.3	113
23	Ibuprofen loaded PVA/chitosan membranes: A highly efficient strategy towards an improved skin wound healing. <i>Carbohydrate Polymers</i> , 2017, 159, 136-145.	10.2	111
24	Production and characterization of electrospun silk fibroin based asymmetric membranes for wound dressing applications. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 524-535.	7.5	108
25	Poly(vinyl alcohol)/chitosan asymmetrical membranes: Highly controlled morphology toward the ideal wound dressing. <i>Journal of Membrane Science</i> , 2014, 469, 262-271.	8.2	106
26	IR780 based nanomaterials for cancer imaging and photothermal, photodynamic and combinatorial therapies. <i>International Journal of Pharmaceutics</i> , 2018, 542, 164-175.	5.2	105
27	Biomaterials for drug delivery patches. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 118, 49-66.	4.0	98
28	Graphene family nanomaterials for application in cancer combination photothermal therapy. <i>Biomaterials Science</i> , 2019, 7, 3534-3551.	5.4	98
29	Sodium hyaluronate/chitosan polyelectrolyte complex scaffolds for dental pulp regeneration: Synthesis and characterization. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 573-579.	7.5	97
30	Hyaluronic acid functionalized green reduced graphene oxide for targeted cancer photothermal therapy. <i>Carbohydrate Polymers</i> , 2018, 200, 93-99.	10.2	95
31	Natural melanin: A potential pH-responsive drug release device. <i>International Journal of Pharmaceutics</i> , 2014, 469, 140-145.	5.2	82
32	Functionalization of polydimethylsiloxane membranes to be used in the production of voice prostheses. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 055006.	6.1	81
33	Surface modification of polyurethane films by plasma and ultraviolet light to improve haemocompatibility for artificial heart valves. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 113, 25-32.	5.0	81
34	IR780-loaded TPGS-TOS micelles for breast cancer photodynamic therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 113, 108-117.	4.3	78
35	Alginate based scaffolds for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2012, 32, 2596-2603.	7.3	77
36	Microneedle-based delivery devices for cancer therapy: A review. <i>Pharmacological Research</i> , 2019, 148, 104438.	7.1	76

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37	Prototypic Heptamethine Cyanine Incorporating Nanomaterials for Cancer Phototheragnostic. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901665.	7.6	76
38	Poly(2-ethyl-2-oxazoline)â€“PLAâ€“PEI amphiphilic triblock micelles for co-delivery of minicircle DNA and chemotherapeutics. <i>Journal of Controlled Release</i> , 2014, 189, 90-104.	9.9	75
39	Bioreducible poly(2-ethyl-2-oxazoline)â€“PLAâ€“PEI-SS triblock copolymer micelles for co-delivery of DNA minicircles and Doxorubicin. <i>Journal of Controlled Release</i> , 2015, 213, 175-191.	9.9	75
40	Minicircle DNA vectors for gene therapy: advances and applications. <i>Expert Opinion on Biological Therapy</i> , 2015, 15, 353-379.	3.1	73
41	Functionalization of graphene family nanomaterials for application in cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 260-275.	5.0	69
42	Gold-core silica shell nanoparticles application in imaging and therapy: A review. <i>Microporous and Mesoporous Materials</i> , 2018, 270, 168-179.	4.4	67
43	Injectable in situ forming thermo-responsive graphene based hydrogels for cancer chemo-photothermal therapy and NIR light-enhanced antibacterial applications. <i>Materials Science and Engineering C</i> , 2020, 117, 111294.	7.3	67
44	Tumor spheroid assembly on hyaluronic acid-based structures: A review. <i>Carbohydrate Polymers</i> , 2016, 150, 139-148.	10.2	66
45	Coaxial electrospun PCL/Gelatin-MA fibers as scaffolds for vascular tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 7-15.	5.0	66
46	Synthesis and characterization of a photocrosslinkable chitosanâ€“gelatin hydrogel aimed for tissue regeneration. <i>RSC Advances</i> , 2015, 5, 63478-63488.	3.6	65
47	Optical clearing methods: An overview of the techniques used for the imaging of 3D spheroids. <i>Biotechnology and Bioengineering</i> , 2019, 116, 2742-2763.	3.3	65
48	Bioactive polymericâ€“ceramic hybrid 3D scaffold for application in bone tissue regeneration. <i>Materials Science and Engineering C</i> , 2013, 33, 4460-4469.	7.3	64
49	Nanoparticle mediated delivery of pure P53 supercoiled plasmid DNA for gene therapy. <i>Journal of Controlled Release</i> , 2011, 156, 212-222.	9.9	63
50	Design and production of sintered β -tricalcium phosphate 3D scaffolds for bone tissue regeneration. <i>Materials Science and Engineering C</i> , 2012, 32, 1293-1298.	7.3	63
51	Electronic Structure of Low-Spin Ferric Porphyrins: ^{13}C NMR Studies of the Influence of Axial Ligand Orientation. <i>Journal of the American Chemical Society</i> , 1998, 120, 13240-13247.	13.7	62
52	Formulation of chitosanâ€“TPPâ€“pDNA nanocapsules for gene therapy applications. <i>Nanotechnology</i> , 2011, 22, 015101.	2.6	62
53	Preparation of end-capped pH-sensitive mesoporous silica nanocarriers for on-demand drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 1012-1025.	4.3	61
54	Bioinspired multilayer membranes as potential adhesive patches for skin wound healing. <i>Biomaterials Science</i> , 2018, 6, 1962-1975.	5.4	61

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55	Production and characterization of a novel asymmetric 3D printed construct aimed for skin tissue regeneration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 994-1003.	5.0	61
56	Development of 2-(dimethylamino)ethyl methacrylate-based molecular recognition devices for controlled drug delivery using supercritical fluid technology. <i>International Journal of Pharmaceutics</i> , 2011, 416, 61-68.	5.2	60
57	Hyaluronic acid functionalized nanoparticles loaded with IR780 and DOX for cancer chemo-photothermal therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 137, 86-94.	4.3	60
58	Xanthan Gum-Konjac Glucomannan Blend Hydrogel for Wound Healing. <i>Polymers</i> , 2020, 12, 99.	4.5	60
59	In vitro characterization of 3D printed scaffolds aimed at bone tissue regeneration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 165, 207-218.	5.0	59
60	Strategies to improve the photothermal capacity of gold-based nanomedicines. <i>Acta Biomaterialia</i> , 2020, 116, 105-137.	8.3	59
61	Poly (vinyl alcohol)/chitosan layer-by-layer microneedles for cancer chemo-photothermal therapy. <i>International Journal of Pharmaceutics</i> , 2020, 576, 118907.	5.2	57
62	Controlled release gelatin hydrogels and lyophilisates with potential application as ocular inserts. <i>Biomedical Materials (Bristol)</i> , 2007, 2, 241-249.	3.3	54
63	Manufacture of β -TCP/alginate scaffolds through a Fab@home model for application in bone tissue engineering. <i>Biofabrication</i> , 2014, 6, 025001.	7.1	54
64	Green reduced graphene oxide functionalized 3D printed scaffolds for bone tissue regeneration. <i>Carbon</i> , 2019, 146, 513-523.	10.3	54
65	Combinatorial delivery of Crizotinib-Palbociclib-Sildenafil using TPGS-PLA micelles for improved cancer treatment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 718-729.	4.3	53
66	Microencapsulated chitosan-dextran sulfate nanoparticles for controlled delivery of bioactive molecules and cells in bone regeneration. <i>Polymer</i> , 2013, 54, 5-15.	3.8	52
67	3D Printed scaffolds with bactericidal activity aimed for bone tissue regeneration. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 1432-1445.	7.5	52
68	POxylated graphene oxide nanomaterials for combination chemo-phototherapy of breast cancer cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 131, 162-169.	4.3	52
69	Folate-Targeted Multifunctional Amino Acid-Chitosan Nanoparticles for Improved Cancer Therapy. <i>Pharmaceutical Research</i> , 2015, 32, 562-577.	3.5	48
70	Thermo- and pH-responsive nano-in-micro particles for combinatorial drug delivery to cancer cells. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 104, 42-51.	4.0	48
71	Evaluation of Nanoparticle Uptake in Co-culture Cancer Models. <i>PLoS ONE</i> , 2013, 8, e70072.	2.5	48
72	Hyaluronic acid and vitamin E polyethylene glycol succinate functionalized gold-core silica shell nanorods for cancer targeted photothermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110778.	5.0	47

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73	Development of a poly(vinyl alcohol)/lysine electrospun membrane-based drug delivery system for improved skin regeneration. <i>International Journal of Pharmaceutics</i> , 2019, 570, 118640.	5.2	45
74	Comparative study of the therapeutic effect of Doxorubicin and Resveratrol combination on 2D and 3D (spheroids) cell culture models. <i>International Journal of Pharmaceutics</i> , 2018, 551, 76-83.	5.2	43
75	Ocular injectable formulation assessment for oxidized dextran-based hydrogels. <i>Acta Biomaterialia</i> , 2009, 5, 1948-1955.	8.3	42
76	Anti- <i>Candida</i> Activity of a Chitosan Hydrogel: Mechanism of Action and Cytotoxicity Profile. <i>Gynecologic and Obstetric Investigation</i> , 2010, 70, 322-327.	1.6	42
77	Thermodynamic and kinetic characterization of trihaem cytochrome c 3 from <i>Desulfuromonas acetoxidans</i> . <i>FEBS Journal</i> , 2002, 269, 5722-5730.	0.2	39
78	Gas-generating TPCS-PLGA microspheres loaded with nanoparticles (NIMPS) for co-delivery of minicircle DNA and anti-tumoral drugs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 287-294.	5.0	39
79	Novel Methodology Based on Biomimetic Superhydrophobic Substrates to Immobilize Cells and Proteins in Hydrogel Spheres for Applications in Bone Regeneration. <i>Tissue Engineering - Part A</i> , 2013, 19, 1175-1187.	3.1	38
80	Development of UV cross-linked gelatin coated electrospun poly(caprolactone) fibrous scaffolds for tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 1539-1548.	7.5	38
81	Aerosolizable gold nano-in-micro dry powder formulations for theragnosis and lung delivery. <i>International Journal of Pharmaceutics</i> , 2017, 519, 240-249.	5.2	38
82	The effect of the shape of gold core-mesoporous silica shell nanoparticles on the cellular behavior and tumor spheroid penetration. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7630-7640.	5.8	36
83	Combining Photothermal-Photodynamic Therapy Mediated by Nanomaterials with Immune Checkpoint Blockade for Metastatic Cancer Treatment and Creation of Immune Memory. <i>Advanced Functional Materials</i> , 2021, 31, 2010777.	14.9	36
84	D- α -tocopheryl polyethylene glycol 1000 succinate functionalized nanographene oxide for cancer therapy. <i>Nanomedicine</i> , 2017, 12, 443-456.	3.3	35
85	Co-delivery of Sildenafil (Viagra®) and Crizotinib for Synergistic and Improved Anti-tumoral Therapy. <i>Pharmaceutical Research</i> , 2014, 31, 2516-2528.	3.5	33
86	Overview of stimuli-responsive mesoporous organosilica nanocarriers for drug delivery. <i>Pharmacological Research</i> , 2020, 155, 104742.	7.1	33
87	Isolation and culture of human umbilical artery smooth muscle cells expressing functional calcium channels. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2009, 45, 175-184.	1.5	32
88	Purification of pre-miR-29 by arginine-affinity chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 951-952, 16-23.	2.3	32
89	Electrospun Asymmetric Membranes as Promising Wound Dressings: A Review. <i>Pharmaceutics</i> , 2021, 13, 183.	4.5	32
90	Development of poly-2-ethyl-2-oxazoline coated gold-core silica shell nanorods for cancer chemo-photothermal therapy. <i>Nanomedicine</i> , 2018, 13, 2611-2627.	3.3	30

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91	Synthesis and characterization of micelles as carriers of non-steroidal anti-inflammatory drugs (NSAID) for application in breast cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 113, 375-383.	5.0	29
92	Biofunctionalized nanoparticles with pH-responsive and cell penetrating blocks for gene delivery. <i>Nanotechnology</i> , 2013, 24, 275101.	2.6	26
93	<i>In Vivo</i> High-Content Evaluation of Three-Dimensional Scaffolds Biocompatibility. <i>Tissue Engineering - Part C: Methods</i> , 2014, 20, 851-864.	2.1	26
94	PVP-coated silver nanoparticles showing antifungal improved activity against dermatophytes. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	26
95	Production of new 3D scaffolds for bone tissue regeneration by rapid prototyping. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 69.	3.6	26
96	Photocrosslinkable electrospun fiber meshes for tissue engineering applications. <i>European Polymer Journal</i> , 2017, 97, 210-219.	5.4	26
97	Development of gold-core silica shell nanospheres coated with poly-2-ethyl-oxazoline and β -cyclodextrin aimed for cancer therapy. <i>Materials Science and Engineering C</i> , 2019, 98, 960-968.	7.3	26
98	IR780 loaded sulfobetaine methacrylate-functionalized albumin nanoparticles aimed for enhanced breast cancer phototherapy. <i>International Journal of Pharmaceutics</i> , 2020, 582, 119346.	5.2	26
99	Improved Minicircle DNA Biosynthesis for Gene Therapy Applications. <i>Human Gene Therapy Methods</i> , 2014, 25, 93-105.	2.1	25
100	Nano-in-Micro POxylated Polyurea Dendrimers and Chitosan Dry Powder Formulations for Pulmonary Delivery. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 851-858.	2.3	25
101	Proton-assisted Two-electron Transfer in Natural Variants of Tetraheme Cytochromes from <i>Desulfomicrobium Sp.</i> <i>Journal of Biological Chemistry</i> , 2004, 279, 52227-52237.	3.4	24
102	Photocurable bioadhesive based on lactic acid. <i>Materials Science and Engineering C</i> , 2016, 58, 601-609.	7.3	24
103	ClearT immersion optical clearing method for intact 3D spheroids imaging through confocal laser scanning microscopy. <i>Optics and Laser Technology</i> , 2018, 106, 94-99.	4.6	24
104	Biofunctionalization of electrospun poly(caprolactone) fibers with Maillard reaction products for wound dressing applications. <i>Reactive and Functional Polymers</i> , 2018, 131, 191-202.	4.1	24
105	Optimization of gold core-mesoporous silica shell functionalization with TPGS and PEI for cancer therapy. <i>Microporous and Mesoporous Materials</i> , 2019, 285, 1-12.	4.4	24
106	Thermodynamic characterization of a tetrahaem cytochrome isolated from a facultative aerobic bacterium, <i>Shewanella frigidimarina</i> : a putative redox model for flavocytochrome c3. <i>Biochemical Journal</i> , 2003, 370, 489-495.	3.7	23
107	Synthesis, functionalization and characterization of UV-curable lactic acid based oligomers to be used as surgical adhesives. <i>Reactive and Functional Polymers</i> , 2015, 94, 43-54.	4.1	23
108	Photocrosslinkable Nanofibrous Asymmetric Membrane Designed for Wound Dressing. <i>Polymers</i> , 2019, 11, 653.	4.5	23

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109	Electrodynamic tailoring of self-assembled three-dimensional electrospun constructs. <i>Nanoscale</i> , 2013, 5, 7528.	5.6	21
110	Establishment of 2D Cell Cultures Derived From 3D MCF7 Spheroids Displaying a Doxorubicin Resistant Profile. <i>Biotechnology Journal</i> , 2019, 14, e1800268.	3.5	21
111	The importance of spheroids in analyzing nanomedicine efficacy. <i>Nanomedicine</i> , 2020, 15, 1513-1525.	3.3	21
112	Injectable in situ forming hydrogels incorporating dual-nanoparticles for chemo-photothermal therapy of breast cancer cells. <i>International Journal of Pharmaceutics</i> , 2021, 600, 120510.	5.2	21
113	A poly(μ -caprolactone) device for sustained release of an anti-glaucoma drug. <i>Biomedical Materials (Bristol)</i> , 2011, 6, 025003.	3.3	20
114	New drug-eluting lenses to be applied as bandages after keratoprosthesis implantation. <i>International Journal of Pharmaceutics</i> , 2014, 477, 218-226.	5.2	20
115	Mitoxantrone-loaded lipid nanoparticles for breast cancer therapy – Quality-by-design approach and efficacy assessment in 2D and 3D in vitro cancer models. <i>International Journal of Pharmaceutics</i> , 2021, 607, 121044.	5.2	20
116	Dual on/off and off/on switchable oligoaziridine biosensor. <i>Biosensors and Bioelectronics</i> , 2013, 39, 64-69.	10.1	19
117	Polyurea dendrimer for efficient cytosolic siRNA delivery. <i>RSC Advances</i> , 2014, 4, 54872-54878.	3.6	19
118	Controlled release of moxifloxacin from intraocular lenses modified by Ar plasma-assisted grafting with AMPS or SBMA: An in vitro study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 156, 95-103.	5.0	19
119	Surface modification of an intraocular lens material by plasma-assisted grafting with 2-hydroxyethyl methacrylate (HEMA), for controlled release of moxifloxacin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 120, 52-62.	4.3	19
120	In Vivo bone tissue induction by freeze-dried collagen-nanohydroxyapatite matrix loaded with BMP2/NS1 mRNAs lipopolyplexes. <i>Journal of Controlled Release</i> , 2021, 334, 188-200.	9.9	19
121	Microstructural, mechanical and biological properties of hydroxyapatite - CaZrO ₃ biocomposites. <i>Ceramics International</i> , 2019, 45, 8195-8203.	4.8	18
122	Sulfobetaine methacrylate-functionalized graphene oxide-IR780 nanohybrids aimed at improving breast cancer phototherapy. <i>RSC Advances</i> , 2020, 10, 38621-38630.	3.6	18
123	Assembly of breast cancer heterotypic spheroids on hyaluronic acid coated surfaces. <i>Biotechnology Progress</i> , 2017, 33, 1346-1357.	2.6	17
124	Functionalization of AuMSS nanorods towards more effective cancer therapies. <i>Nano Research</i> , 2019, 12, 719-732.	10.4	17
125	Prevalence of Dental Caries and Fissure Sealants in a Portuguese Sample of Adolescents. <i>PLoS ONE</i> , 2015, 10, e0121299.	2.5	16
126	Functionalized polyester-based materials as UV curable adhesives. <i>European Polymer Journal</i> , 2019, 120, 109196.	5.4	15

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127	Chitosan-based injectable in situ forming hydrogels containing dopamine-reduced graphene oxide and resveratrol for breast cancer chemo-photothermal therapy. <i>Biochemical Engineering Journal</i> , 2022, 185, 108529.	3.6	15
128	Poly(ester amide)s based on (L)-lactic acid oligomers and α -amino acids: influence of the α -amino acid side chain in the poly(ester amide)s properties. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013, 24, 1391-1409.	3.5	14
129	A bi-layer electrospun nanofiber membrane for plasmid DNA recovery from fermentation broths. <i>Separation and Purification Technology</i> , 2013, 112, 20-25.	7.9	14
130	Nanogold POxylation: towards always-on fluorescent lung cancer targeting. <i>RSC Advances</i> , 2016, 6, 33631-33635.	3.6	12
131	IR780 loaded gelatin-PEG coated gold core silica shell nanorods for cancer-targeted photothermal/photodynamic therapy. <i>Biotechnology and Bioengineering</i> , 2022, 119, 644-656.	3.3	12
132	Heptamethine Cyanine-Loaded Nanomaterials for Cancer Immuno-Photothermal/Photodynamic Therapy: A Review. <i>Pharmaceutics</i> , 2022, 14, 1015.	4.5	12
133	Sensitive Detection of Peptide-Minircle DNA Interactions by Surface Plasmon Resonance. <i>Analytical Chemistry</i> , 2013, 85, 2304-2311.	6.5	11
134	Assessing the Combinatorial Chemo-Photothermal Therapy Mediated by Sulfobetaine Methacrylate-Functionalized Nanoparticles in 2D and 3D In Vitro Cancer Models. <i>Biotechnology Journal</i> , 2020, 15, 2000219.	3.5	11
135	Poly(2-ethyl-2-oxazoline) functionalized reduced graphene oxide: Optimization of the reduction process using dopamine and application in cancer photothermal therapy. <i>Materials Science and Engineering C</i> , 2021, 130, 112468.	7.3	11
136	HA/PEI-coated acridine orange-loaded gold-core silica shell nanorods for cancer-targeted photothermal and chemotherapy. <i>Nanomedicine</i> , 2021, 16, 2569-2586.	3.3	11
137	Modification of microfiltration membranes by hydrogel impregnation for pDNA purification. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	10
138	Functionalization and photocuring of an L-lactic acid macromer for biomedical applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 497-507.	3.4	10
139	Characterization of OmcA Mutants from <i>Shewanella oneidensis</i> MR-1 to Investigate the Molecular Mechanisms Underpinning Electron Transfer Across the Microbe-Electrode Interface. <i>Fuel Cells</i> , 2017, 17, 601-611.	2.4	10
140	Preparation of functionalized poly(caprolactone diol)/castor oils blends to be applied as photocrosslinkable tissue adhesives. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49092.	2.6	10
141	Polyester-based photocrosslinkable bioadhesives for wound closure and tissue regeneration support. <i>Reactive and Functional Polymers</i> , 2021, 158, 104798.	4.1	10
142	Polyethylene glycol molecular weight influences the ClearT2 optical clearing method for spheroids imaging by confocal laser scanning microscopy. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	10
143	Oral and Gastric Helicobacter Pylori: Effects and Associations. <i>PLoS ONE</i> , 2015, 10, e0126923.	2.5	9
144	Preparation of biodegradable functionalized polyesters aimed to be used as surgical adhesives. <i>European Polymer Journal</i> , 2019, 117, 442-454.	5.4	9

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145	Isolation of Human Umbilical Arterial Smooth Muscle Cells (HUASMC). Journal of Visualized Experiments, 2010, , .	0.3	8
146	3D scaffolds coated with nanofibers displaying bactericidal activity for bone tissue applications. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 432-442.	3.4	7
147	Engineering star-shaped lactic acid oligomers to develop novel functional adhesives. Journal of Materials Research, 2018, 33, 1463-1474.	2.6	7
148	Inorganic-based drug delivery systems for cancer therapy. , 2020, , 283-316.		6
149	Biocompatible oligo-oxazoline crosslinkers: Towards advanced chitosans for controlled drug release. Reactive and Functional Polymers, 2021, 161, 104846.	4.1	6
150	Multifunctional nanocarriers for codelivery of nucleic acids and chemotherapeutics to cancer cells. , 2016, , 163-207.		5
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