Ildio J Correia

List of Publications by Year in Descending Order

160 papers	7,141 citations	49 h-index	78 g-index
166 ext. papers	8,771 ext. citations	6.1 avg, IF	6.63 L-index

#	Paper	IF	Citations
160	Heptamethine Cyanine-Loaded Nanomaterials for Cancer Immuno-Photothermal/Photodynamic Therapy: A Review. *Pharmaceutics*, **2022**, 14, 1015	6.4	2
159	Chitin- and chitosan-based strategies in wound healing **2022**, 333-380		
158	IR780 loaded gelatin-PEG coated gold core silica shell nanorods for cancer-targeted photothermal/photodynamic therapy. *Biotechnology and Bioengineering*, **2021**,	4.9	1
157	HA/PEI-coated acridine orange-loaded gold-core silica shell nanorods for cancer-targeted photothermal and chemotherapy. *Nanomedicine*, **2021**, 16, 2569-2586	5.6	2
156	Poly(2-ethyl-2-oxazoline) functionalized reduced graphene oxide: Optimization of the reduction process using dopamine and application in cancer photothermal therapy. *Materials Science and Engineering C*, **2021**, 130, 112468	8.3	3
155	Sulfobetaine methacrylate-albumin-coated graphene oxide incorporating IR780 for enhanced breast cancer phototherapy. *Nanomedicine*, **2021**, 16, 453-464	5.6	2
154	Biocompatible oligo-oxazoline crosslinkers: Towards advanced chitosans for controlled dug release. *Reactive and Functional Polymers*, **2021**, 161, 104846	4.6	3
153	Injectable in situ forming hydrogels incorporating dual-nanoparticles for chemo-photothermal therapy of breast cancer cells. *International Journal of Pharmaceutics*, **2021**, 600, 120510	6.5	9
152	Combining Photothermal-Photodynamic Therapy Mediated by Nanomaterials with Immune Checkpoint Blockade for Metastatic Cancer Treatment and Creation of Immune Memory. *Advanced Functional Materials*, **2021**, 31, 2010777	15.6	11
151	In Vivo bone tissue induction by freeze-dried collagen-nanohydroxyapatite matrix loaded with BMP2/NS1 mRNAs lipopolyplexes. *Journal of Controlled Release*, **2021**, 334, 188-200	11.7	5
150	Combinatorial delivery of doxorubicin and acridine orange by gold core silica shell nanospheres functionalized with poly(ethylene glycol) and 4-methoxybenzamide for cancer targeted therapy. *Journal of Inorganic Biochemistry*, **2021**, 219, 111433	4.2	3
149	Electrospun Asymmetric Membranes as Promising Wound Dressings: A Review. *Pharmaceutics*, **2021**, 13,	6.4	21
148	Polyester-based photocrosslinkable bioadhesives for wound closure and tissue regeneration support. *Reactive and Functional Polymers*, **2021**, 158, 104798	4.6	4
147	Mitoxantrone-loaded lipid nanoparticles for breast cancer therapy - Quality-by-design approach and efficacy assessment in 2D and 3D in vitro cancer models. *International Journal of Pharmaceutics*, **2021**, 607, 121044	6.5	8
146	The importance of spheroids in analyzing nanomedicine efficacy. *Nanomedicine*, **2020**, 15, 1513-1525	5.6	12
145	Inorganic-based drug delivery systems for cancer therapy **2020**, 283-316		4
144	Preparation of functionalized poly(caprolactone diol)/castor oils blends to be applied as photocrosslinkable tissue adhesives. *Journal of Applied Polymer Science*, **2020**, 137, 49092	2.9	6

143	Prototypic Heptamethine Cyanine Incorporating Nanomaterials for Cancer Phototheragnostic. *Advanced Healthcare Materials*, **2020**, 9, e1901665	10.1	40
142	Hyaluronic acid-Based wound dressings: A review. *Carbohydrate Polymers*, **2020**, 241, 116364	10.3	144
141	Influence of and Agitation Conditions in the Fluorescence Imaging of 3D Spheroids. *International Journal of Molecular Sciences*, **2020**, 22,	6.3	1
140	IR780 loaded sulfobetaine methacrylate-functionalized albumin nanoparticles aimed for enhanced breast cancer phototherapy. *International Journal of Pharmaceutics*, **2020**, 582, 119346	6.5	17
139	Hyaluronic acid and vitamin E polyethylene glycol succinate functionalized gold-core silica shell nanorods for cancer targeted photothermal therapy. *Colloids and Surfaces B: Biointerfaces*, **2020**, 188, 110778	6	29
138	Xanthan Gum-Konjac Glucomannan Blend Hydrogel for Wound Healing. *Polymers*, **2020**, 12,	4.5	26
137	Poly (vinyl alcohol)/chitosan layer-by-layer microneedles for cancer chemo-photothermal therapy. *International Journal of Pharmaceutics*, **2020**, 576, 118907	6.5	33
136	Strategies to improve the photothermal capacity of gold-based nanomedicines. *Acta Biomaterialia*, **2020**, 116, 105-137	10.8	20
135	Assessing the Combinatorial Chemo-Photothermal Therapy Mediated by Sulfobetaine Methacrylate-Functionalized Nanoparticles in 2D and 3D In Vitro Cancer Models. *Biotechnology Journal*, **2020**, 15, e2000219	5.6	5
134	Sulfobetaine methacrylate-functionalized graphene oxide-IR780 nanohybrids aimed at improving breast cancer phototherapy.. *RSC Advances*, **2020**, 10, 38621-38630	3.7	10
133	Injectable in situ forming thermo-responsive graphene based hydrogels for cancer chemo-photothermal therapy and NIR light-enhanced antibacterial applications. *Materials Science and Engineering C*, **2020**, 117, 111294	8.3	33
132	Photocurable Polymeric Blends for Surgical Application. *Materials*, **2020**, 13,	3.5	1
131	Overview of stimuli-responsive mesoporous organosilica nanocarriers for drug delivery. *Pharmacological Research*, **2020**, 155, 104742	10.2	22
130	Overview of the application of inorganic nanomaterials in cancer photothermal therapy. *Biomaterials Science*, **2020**, 8, 2990-3020	7.4	96
129	Microneedle-based delivery devices for cancer therapy: A review. *Pharmacological Research*, **2019**, 148, 104438	10.2	41
128	Development of a poly(vinyl alcohol)/lysine electrospun membrane-based drug delivery system for improved skin regeneration. *International Journal of Pharmaceutics*, **2019**, 570, 118640	6.5	22
127	Microstructural, mechanical and biological properties of hydroxyapatite - CaZrO3 biocomposites. *Ceramics International*, **2019**, 45, 8195-8203	5.1	8
126	Chitosan based-asymmetric membranes for wound healing: A review. *International Journal of Biological Macromolecules*, **2019**, 127, 460-475	7.9	121

125	Graphene family nanomaterials for application in cancer combination photothermal therapy. *Biomaterials Science*, **2019**, 7, 3534-3551	7.4	65
124	Preparation of biodegradable functionalized polyesters aimed to be used as surgical adhesives. *European Polymer Journal*, **2019**, 117, 442-454	5.2	7
123	Optimization of gold core-mesoporous silica shell functionalization with TPGS and PEI for cancer therapy. *Microporous and Mesoporous Materials*, **2019**, 285, 1-12	5.3	20
122	An overview of electrospun membranes loaded with bioactive molecules for improving the wound healing process. *European Journal of Pharmaceutics and Biopharmaceutics*, **2019**, 139, 1-22	5.7	85
121	Photocrosslinkable Nanofibrous Asymmetric Membrane Designed for Wound Dressing. *Polymers*, **2019**, 11,	4.5	19
120	Green reduced graphene oxide functionalized 3D printed scaffolds for bone tissue regeneration. *Carbon*, **2019**, 146, 513-523	10.4	36
119	Functionalized polyester-based materials as UV curable adhesives. *European Polymer Journal*, **2019**, 120, 109196	5.2	8
118	Optical clearing methods: An overview of the techniques used for the imaging of 3D spheroids. *Biotechnology and Bioengineering*, **2019**, 116, 2742-2763	4.9	41
117	Production and characterization of a novel asymmetric 3D printed construct aimed for skin tissue regeneration. *Colloids and Surfaces B: Biointerfaces*, **2019**, 181, 994-1003	6	33
116	Hyaluronic acid functionalized nanoparticles loaded with IR780 and DOX for cancer chemo-photothermal therapy. *European Journal of Pharmaceutics and Biopharmaceutics*, **2019**, 137, 86-94	5.7	42
115	Development of gold-core silica shell nanospheres coated with poly-2-ethyl-oxazoline and Ecyclodextrin aimed for cancer therapy. *Materials Science and Engineering C*, **2019**, 98, 960-968	8.3	19
114	Functionalization of AuMSS nanorods towards more effective cancer therapies. *Nano Research*, **2019**, 12, 719-732	10	14
113	3D tumor spheroids as in vitro models to mimic in vivo human solid tumors resistance to therapeutic drugs. *Biotechnology and Bioengineering*, **2019**, 116, 206-226	4.9	262
112	Production and characterization of electrospun silk fibroin based asymmetric membranes for wound dressing applications. *International Journal of Biological Macromolecules*, **2019**, 121, 524-535	7.9	68
111	Establishment of 2D Cell Cultures Derived From 3D MCF-7 Spheroids Displaying a Doxorubicin Resistant Profile. *Biotechnology Journal*, **2019**, 14, e1800268	5.6	10
110	In vitro characterization of 3D printed scaffolds aimed at bone tissue regeneration. *Colloids and Surfaces B: Biointerfaces*, **2018**, 165, 207-218	6	40
109	Engineering star-shaped lactic acid oligomers to develop novel functional adhesives. *Journal of Materials Research*, **2018**, 33, 1463-1474	2.5	5
108	ClearT immersion optical clearing method for intact 3D spheroids imaging through confocal laser scanning microscopy. *Optics and Laser Technology*, **2018**, 106, 94-99	4.2	14

107	Recent advances on antimicrobial wound dressing: A review. *European Journal of Pharmaceutics and Biopharmaceutics*, **2018**, 127, 130-141	5.7	395
106	Biomaterials for drug delivery patches. *European Journal of Pharmaceutical Sciences*, **2018**, 118, 49-66	5.1	63
105	IR780 based nanomaterials for cancer imaging and photothermal, photodynamic and combinatorial therapies. *International Journal of Pharmaceutics*, **2018**, 542, 164-175	6.5	70
104	Spheroids Formation on Non-Adhesive Surfaces by Liquid Overlay Technique: Considerations and Practical Approaches. *Biotechnology Journal*, **2018**, 13, 1700417	5.6	62
103	Hyaluronic acid functionalized green reduced graphene oxide for targeted cancer photothermal therapy. *Carbohydrate Polymers*, **2018**, 200, 93-99	10.3	72
102	Towards the development of electrospun mats from poly(ε-caprolactone)/poly(ester amide)s miscible blends. *Polymer*, **2018**, 150, 343-359	3.9	2
101	Functionalization of graphene family nanomaterials for application in cancer therapy. *Colloids and Surfaces B: Biointerfaces*, **2018**, 171, 260-275	6	51
100	Electrospun polymeric nanofibres as wound dressings: A review. *Colloids and Surfaces B: Biointerfaces*, **2018**, 169, 60-71	6	192
99	Biofunctionalization of electrospun poly(caprolactone) fibers with Maillard reaction products for wound dressing applications. *Reactive and Functional Polymers*, **2018**, 131, 191-202	4.6	18
98	POxylated graphene oxide nanomaterials for combination chemo-phototherapy of breast cancer cells. *European Journal of Pharmaceutics and Biopharmaceutics*, **2018**, 131, 162-169	5.7	38
97	Polyethylene glycol molecular weight influences the ClearT2 optical clearing method for spheroids imaging by confocal laser scanning microscopy. *Journal of Biomedical Optics*, **2018**, 23, 1-11	3.5	7
96	Development of poly-2-ethyl-2-oxazoline coated gold-core silica shell nanorods for cancer chemo-photothermal therapy. *Nanomedicine*, **2018**, 13, 2611-2627	5.6	26
95	Comparative study of the therapeutic effect of Doxorubicin and Resveratrol combination on 2D and 3D (spheroids) cell culture models. *International Journal of Pharmaceutics*, **2018**, 551, 76-83	6.5	25
94	Gold-core silica shell nanoparticles application in imaging and therapy: A review. *Microporous and Mesoporous Materials*, **2018**, 270, 168-179	5.3	51
93	Bioinspired multilayer membranes as potential adhesive patches for skin wound healing. *Biomaterials Science*, **2018**, 6, 1962-1975	7.4	38
92	Aerosolizable gold nano-in-micro dry powder formulations for theragnosis and lung delivery. *International Journal of Pharmaceutics*, **2017**, 519, 240-249	6.5	25
91	IR780-loaded TPGS-TOS micelles for breast cancer photodynamic therapy. *European Journal of Pharmaceutics and Biopharmaceutics*, **2017**, 113, 108-117	5.7	61
90	D-α-tocopheryl polyethylene glycol 1000 succinate functionalized nanographene oxide for cancer therapy. *Nanomedicine*, **2017**, 12, 443-456	5.6	31

89	Controlled release of moxifloxacin from intraocular lenses modified by Ar plasma-assisted grafting with AMPS or SBMA: An in vitro study. *Colloids and Surfaces B: Biointerfaces*, **2017**, 156, 95-103	6	14
88	Assembly of breast cancer heterotypic spheroids on hyaluronic acid coated surfaces. *Biotechnology Progress*, **2017**, 33, 1346-1357	2.8	9
87	Thermo- and pH-responsive nano-in-micro particles for combinatorial drug delivery to cancer cells. *European Journal of Pharmaceutical Sciences*, **2017**, 104, 42-51	5.1	41
86	Strategies to Improve Cancer Photothermal Therapy Mediated by Nanomaterials. *Advanced Healthcare Materials*, **2017**, 6, 1700073	10.1	142
85	Highly selective capture of minicircle DNA biopharmaceuticals by a novel zinc-histidine peptide conjugate. *Separation and Purification Technology*, **2017**, 174, 417-424	8.3	4
84	Ibuprofen loaded PVA/chitosan membranes: A highly efficient strategy towards an improved skin wound healing. *Carbohydrate Polymers*, **2017**, 159, 136-145	10.3	84
83	Photocrosslinkable electrospun fiber meshes for tissue engineering applications. *European Polymer Journal*, **2017**, 97, 210-219	5.2	23
82	Surface modification of an intraocular lens material by plasma-assisted grafting with 2-hydroxyethyl methacrylate (HEMA), for controlled release of moxifloxacin. *European Journal of Pharmaceutics and Biopharmaceutics*, **2017**, 120, 52-62	5.7	15
81	Characterization of OmcA Mutants from Shewanella oneidensis MR-1 to Investigate the Molecular Mechanisms Underpinning Electron Transfer Across the Microbe-Electrode Interface. *Fuel Cells*, **2017**, 17, 601-611	2.9	7
80	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	6
79	Electrospun Polycaprolactone/Aloe Vera_Chitosan Nanofibrous Asymmetric Membranes Aimed for Wound Healing Applications. *Polymers*, **2017**, 9,	4.5	104
78	Coaxial electrospun PCL/Gelatin-MA fibers as scaffolds for vascular tissue engineering. *Colloids and Surfaces B: Biointerfaces*, **2017**, 159, 7-15	6	53
77	Photocurable bioadhesive based on lactic acid. *Materials Science and Engineering C*, **2016**, 58, 601-9	8.3	21
76	Stimuli-responsive mesoporous silica nanoparticles for cancer therapy: A review. *Microporous and Mesoporous Materials*, **2016**, 236, 141-157	5.3	113
75	3D tumor spheroids: an overview on the tools and techniques used for their analysis. *Biotechnology Advances*, **2016**, 34, 1427-1441	17.8	329
74	The effect of the shape of gold core-mesoporous silica shell nanoparticles on the cellular behavior and tumor spheroid penetration. *Journal of Materials Chemistry B*, **2016**, 4, 7630-7640	7.3	29
73	3D Printed scaffolds with bactericidal activity aimed for bone tissue regeneration. *International Journal of Biological Macromolecules*, **2016**, 93, 1432-1445	7.9	27
72	Production of new 3D scaffolds for bone tissue regeneration by rapid prototyping. *Journal of Materials Science: Materials in Medicine*, **2016**, 27, 69	4.5	22

71	Multifunctional nanocarriers for codelivery of nucleic acids and chemotherapeutics to cancer cells **2016**, 163-207		4
70	Nanogold POxylation: towards always-on fluorescent lung cancer targeting. *RSC Advances*, **2016**, 6, 33631-33635	3.7	12
69	Development of UV cross-linked gelatin coated electrospun poly(caprolactone) fibrous scaffolds for tissue engineering. *International Journal of Biological Macromolecules*, **2016**, 93, 1539-1548	7.9	31
68	Tumor spheroid assembly on hyaluronic acid-based structures: A review. *Carbohydrate Polymers*, **2016**, 150, 139-48	10.3	46
67	Functionalization and photocuring of an L-lactic acid macromer for biomedical applications. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2016**, 65, 497-507	3	7
66	Production and characterization of polycaprolactone- hyaluronic acid/chitosan- zein electrospun bilayer nanofibrous membrane for tissue regeneration. *International Journal of Biological Macromolecules*, **2016**, 93, 1100-1110	7.9	91
65	Nano-in-Micro POxylated Polyurea Dendrimers and Chitosan Dry Powder Formulations for Pulmonary Delivery. *Particle and Particle Systems Characterization*, **2016**, 33, 851-858	3.1	21
64	Modification of microfiltration membranes by hydrogel impregnation for pDNA purification. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	9
63	Synthesis, functionalization and characterization of UV-curable lactic acid based oligomers to be used as surgical adhesives. *Reactive and Functional Polymers*, **2015**, 94, 43-54	4.6	19
62	Bioreducible poly(2-ethyl-2-oxazoline)-PLA-PEI-SS triblock copolymer micelles for co-delivery of DNA minicircles and Doxorubicin. *Journal of Controlled Release*, **2015**, 213, 175-191	11.7	68
61	Synthesis and characterization of a photocrosslinkable chitosan–gelatin hydrogel aimed for tissue regeneration. *RSC Advances*, **2015**, 5, 63478-63488	3.7	53
60	Gas-generating TPGS-PLGA microspheres loaded with nanoparticles (NIMPS) for co-delivery of minicircle DNA and anti-tumoral drugs. *Colloids and Surfaces B: Biointerfaces*, **2015**, 134, 287-94	6	33
59	Chitosan/arginine-chitosan polymer blends for assembly of nanofibrous membranes for wound regeneration. *Carbohydrate Polymers*, **2015**, 130, 104-12	10.3	101
58	Asymmetric membranes as ideal wound dressings: An overview on production methods, structure, properties and performance relationship. *Journal of Membrane Science*, **2015**, 490, 139-151	9.6	156
57	Minicircle DNA vectors for gene therapy: advances and applications. *Expert Opinion on Biological Therapy*, **2015**, 15, 353-79	5.4	56
56	Folate-targeted multifunctional amino acid-chitosan nanoparticles for improved cancer therapy. *Pharmaceutical Research*, **2015**, 32, 562-77	4.5	40
55	Oral and gastric Helicobacter pylori: effects and associations. *PLoS ONE*, **2015**, 10, e0126923	3.7	4
54	Production and characterization of chitosan/gelatin/β-TCP scaffolds for improved bone tissue regeneration. *Materials Science and Engineering C*, **2015**, 55, 592-604	8.3	97

53	Design of oligoaziridine-PEG coatings for efficient nanogold cellular biotagging. *RSC Advances*, **2015**, 5, 10733-10738	3.7	4
52	Prevalence of dental caries and fissure sealants in a Portuguese sample of adolescents. *PLoS ONE*, **2015**, 10, e0121299	3.7	14
51	Natural melanin: a potential pH-responsive drug release device. *International Journal of Pharmaceutics*, **2014**, 469, 140-5	6.5	58
50	In vivo high-content evaluation of three-dimensional scaffolds biocompatibility. *Tissue Engineering - Part C: Methods*, **2014**, 20, 851-64	2.9	23
49	Co-delivery of Sildenafil (Viagra( )) and Crizotinib for synergistic and improved anti-tumoral therapy. *Pharmaceutical Research*, **2014**, 31, 2516-28	4.5	28
48	Improved minicircle DNA biosynthesis for gene therapy applications. *Human Gene Therapy Methods*, **2014**, 25, 93-105	4.9	23
47	Manufacture of TCP/alginate scaffolds through a Fab@home model for application in bone tissue engineering. *Biofabrication*, **2014**, 6, 025001	10.5	49
46	Optimization of liquid overlay technique to formulate heterogenic 3D co-cultures models. *Biotechnology and Bioengineering*, **2014**, 111, 1672-85	4.9	90
45	PVP-coated silver nanoparticles showing antifungal improved activity against dermatophytes. *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	23
44	Combinatorial delivery of Crizotinib-Palbociclib-Sildenafil using TPGS-PLA micelles for improved cancer treatment. *European Journal of Pharmaceutics and Biopharmaceutics*, **2014**, 88, 718-29	5.7	45
43	Poly(vinyl alcohol)/chitosan asymmetrical membranes: Highly controlled morphology toward the ideal wound dressing. *Journal of Membrane Science*, **2014**, 469, 262-271	9.6	84
42	Preparation of end-capped pH-sensitive mesoporous silica nanocarriers for on-demand drug delivery. *European Journal of Pharmaceutics and Biopharmaceutics*, **2014**, 88, 1012-25	5.7	56
41	Polyurea dendrimer for efficient cytosolic siRNA delivery. *RSC Advances*, **2014**, 4, 54872-54878	3.7	18
40	New drug-eluting lenses to be applied as bandages after keratoprosthesis implantation. *International Journal of Pharmaceutics*, **2014**, 477, 218-26	6.5	18
39	Purification of pre-miR-29 by arginine-affinity chromatography. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2014**, 951-952, 16-23	3.2	26
38	Poly(2-ethyl-2-oxazoline)-PLA-g-PEI amphiphilic triblock micelles for co-delivery of minicircle DNA and chemotherapeutics. *Journal of Controlled Release*, **2014**, 189, 90-104	11.7	69
37	Thermoresponsive chitosan-agarose hydrogel for skin regeneration. *Carbohydrate Polymers*, **2014**, 111, 366-73	10.3	181
36	Synthesis and characterization of micelles as carriers of non-steroidal anti-inflammatory drugs (NSAID) for application in breast cancer therapy. *Colloids and Surfaces B: Biointerfaces*, **2014**, 113, 375-83	6	27

35	Surface modification of polyurethane films by plasma and ultraviolet light to improve haemocompatibility for artificial heart valves. *Colloids and Surfaces B: Biointerfaces*, **2014**, 113, 25-32	6	69
34	Oral health behaviors in a sample of portuguese adolescents: an educational issue. *Health Promotion Perspectives*, **2014**, 4, 35-45	3.1	3
33	Electrodynamic tailoring of self-assembled three-dimensional electrospun constructs. *Nanoscale*, **2013**, 5, 7528-36	7.7	16
32	Bioactive polymeric-ceramic hybrid 3D scaffold for application in bone tissue regeneration. *Materials Science and Engineering C*, **2013**, 33, 4460-9	8.3	53
31	Novel methodology based on biomimetic superhydrophobic substrates to immobilize cells and proteins in hydrogel spheres for applications in bone regeneration. *Tissue Engineering - Part A*, **2013** , 19, 1175-87	3.9	37
30	Characterization of the mechanical and biological properties of a new alumina scaffold. *Journal of Applied Biomaterials and Functional Materials*, **2013**, 11, e18-25	1.8	
29	Microencapsulated chitosan□dextran sulfate nanoparticles for controled delivery of bioactive molecules and cells in bone regeneration. *Polymer*, **2013**, 54, 5-15	3.9	44
28	Poly(ester amide)s based on (L)-lactic acid oligomers and □-amino acids: influence of the □-amino acid side chain in the poly(ester amide)s properties. *Journal of Biomaterials Science, Polymer Edition*, **2013**, 24, 1391-409	3.5	10
27	Sensitive detection of peptide-minicircle DNA interactions by surface plasmon resonance. *Analytical Chemistry*, **2013**, 85, 2304-11	7.8	10
26	A bi-layer electrospun nanofiber membrane for plasmid DNA recovery from fermentation broths. *Separation and Purification Technology*, **2013**, 112, 20-25	8.3	14
25	Dextran-based hydrogel containing chitosan microparticles loaded with growth factors to be used in wound healing. *Materials Science and Engineering C*, **2013**, 33, 2958-66	8.3	117
24	Biofunctionalized nanoparticles with pH-responsive and cell penetrating blocks for gene delivery. *Nanotechnology*, **2013**, 24, 275101	3.4	24
23	Dual on-off and off-on switchable oligoaziridine biosensor. *Biosensors and Bioelectronics*, **2013**, 39, 64-9	11.8	18
22	Functionalization of polydimethylsiloxane membranes to be used in the production of voice prostheses. *Science and Technology of Advanced Materials*, **2013**, 14, 055006	7.1	50
21	Evaluation of nanoparticle uptake in co-culture cancer models. *PLoS ONE*, **2013**, 8, e70072	3.7	39
20	Design and production of sintered □-tricalcium phosphate 3D scaffolds for bone tissue regeneration. *Materials Science and Engineering C*, **2012**, 32, 1293-1298	8.3	56
19	Alginate based scaffolds for bone tissue engineering. *Materials Science and Engineering C*, **2012**, 32, 2596-2603	8.3	61
18	Biocompatible Polyurea Dendrimers with pH-Dependent Fluorescence. *Angewandte Chemie*, **2012**, 124, 5252-5255	3.6	12

17	Biocompatible polyurea dendrimers with pH-dependent fluorescence. *Angewandte Chemie - International Edition*, **2012**, 51, 5162-5	16.4	126
16	Formulation of chitosan-TPP-pDNA nanocapsules for gene therapy applications. *Nanotechnology*, **2011**, 22, 015101	3.4	58
15	Preparation and chemical and biological characterization of a pectin/chitosan polyelectrolyte complex scaffold for possible bone tissue engineering applications. *International Journal of Biological Macromolecules*, **2011**, 48, 112-8	7.9	130
14	Sodium hyaluronate/chitosan polyelectrolyte complex scaffolds for dental pulp regeneration: synthesis and characterization. *International Journal of Biological Macromolecules*, **2011**, 49, 573-9	7.9	80
13	Development of 2-(dimethylamino)ethyl methacrylate-based molecular recognition devices for controlled drug delivery using supercritical fluid technology. *International Journal of Pharmaceutics*, **2011**, 416, 61-8	6.5	47
12	Nanoparticle mediated delivery of pure P53 supercoiled plasmid DNA for gene therapy. *Journal of Controlled Release*, **2011**, 156, 212-22	11.7	59
11	A poly(ε-caprolactone) device for sustained release of an anti-glaucoma drug. *Biomedical Materials (Bristol)*, **2011**, 6, 025003	3.5	13
10	Anti-Candida activity of a chitosan hydrogel: mechanism of action and cytotoxicity profile. *Gynecologic and Obstetric Investigation*, **2010**, 70, 322-7	2.5	35
9	Isolation of human umbilical arterial smooth muscle cells (HUASMC). *Journal of Visualized Experiments*, **2010**,	1.6	6
8	Isolation and culture of human umbilical artery smooth muscle cells expressing functional calcium channels. *In Vitro Cellular and Developmental Biology - Animal*, **2009**, 45, 175-84	2.6	26
7	Development of a new chitosan hydrogel for wound dressing. *Wound Repair and Regeneration*, **2009**, 17, 817-24	3.6	204
6	Ocular injectable formulation assessment for oxidized dextran-based hydrogels. *Acta Biomaterialia*, **2009**, 5, 1948-55	10.8	38
5	Controlled release gelatin hydrogels and lyophilisates with potential application as ocular inserts. *Biomedical Materials (Bristol)*, **2007**, 2, 241-9	3.5	42
4	Proton-assisted two-electron transfer in natural variants of tetraheme cytochromes from Desulfomicrobium Sp. *Journal of Biological Chemistry*, **2004**, 279, 52227-37	5.4	22
3	Thermodynamic characterization of a tetrahaem cytochrome isolated from a facultative aerobic bacterium, Shewanella frigidimarina: a putative redox model for flavocytochrome c3. *Biochemical Journal*, **2003**, 370, 489-95	3.8	20
2	Thermodynamic and kinetic characterization of trihaem cytochrome c3 from Desulfuromonas acetoxidans. *FEBS Journal*, **2002**, 269, 5722-30		34
1	Electronic Structure of Low-Spin Ferric Porphyrins: 13C NMR Studies of the Influence of Axial Ligand Orientation. *Journal of the American Chemical Society*, **1998**, 120, 13240-13247	16.4	59