Narayan Bhattarai

List of Publications by Year
in descending order

60	9,263	109311	144002
papers	citations	35 h-index	57 g-index

60	60	60	13041
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrodynamic assisted self-assembled fibrous hydrogel microcapsules: a novel 3Din vitroplatform for assessment of nanoparticle toxicity. RSC Advances, 2021, 11, 4921-4934.	3.6	8
2	Nanonet-nano fiber electrospun mesh of PCLâ€“chitosan for controlled and extended release of diclofenac sodium. Nanoscale, 2020, 12, 23556-23569.	5.6	35
3	Nano-fibre Integrated Microcapsules: A Nano-in-Micro Platform for 3D Cell Culture. Scientific Reports, 2019, 9, 13951.	3.3	9
4	Embedding magnesium metallic particles in polycaprolactone nanofiber mesh improves applicability for biomedical applications. Acta Biomaterialia, 2019, 98, 215-234.	8.3	57
5	Magnesium oxide-poly(Îµ-caprolactone)-chitosan-based composite nanofiber for tissue engineering applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 228, 18-27.	3.5	67
6	Dose-response in a high density three-dimensional liver device with real-time bioenergetic and metabolic flux quantification. Toxicology in Vitro, 2017, 45, 119-127.	2.4	6
7	Fabrication and Characterization of Magnesium Ferrite-Based PCL/Aloe Vera Nanofibers. Materials, 2017, 10, 937.	2.9	24
8	Aloe Vera for Tissue Engineering Applications. Journal of Functional Biomaterials, 2017, 8, 6.	4.4	128
9	pH-Responsive PLGA Nanoparticle for Controlled Payload Delivery of Diclofenac Sodium. Journal of Functional Biomaterials, 2016, 7, 21.	4.4	82
10	Natural Polysaccharide-Based Hydrogels for Controlled Localized Drug Delivery. , 2016, , 35-59.		2
11	Magnesium incorporated chitosan based scaffolds for tissue engineering applications. Bioactive Materials, 2016, 1, 132-139.	15.6	47
12	Synthesis of Keratin-based Nanofiber for Biomedical Engineering. Journal of Visualized Experiments, 2016, , e53381.	0.3	8
13	Electrospun nanofibers of poly(Îµ-caprolactone)/depolymerized chitosan for respiratory tissue engineering applications. Journal of Biomaterials Science, Polymer Edition, 2016, 27, 611-625.	3.5	56
14	Facile fabrication of aloe vera containing PCL nanofibers for barrier membrane application. Journal of Biomaterials Science, Polymer Edition, 2016, 27, 692-708.	3.5	44
15	Synthesis and characterization of magnesium gluconate contained poly(lactic-co-glycolic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Technology, 2016, 203, 59-66.	3.5	9
16	Magnesium Incorporated Polycaprolactone-Based Composite Nanofibers. , 2015, , .		1
17	Fabrication and Characterization of Electrospun PCL-MgO-Keratin-Based Composite Nanofibers for Biomedical Applications. Materials, 2015, 8, 4080-4095.	2.9	77
18	Poly(Îµ-caprolactone)/keratin-based composite nanofibers for biomedical applications. , 2015, 103, 21-30.		107

#	Article	IF	Citations
19	Gold nanoparticle-based gene delivery: promises and challenges. Nanotechnology Reviews, 2014, 3, .	5.8	27
20	Enhanced bone tissue formation by alginate gelâ€assisted cell seeding in porous ceramic scaffolds and sustained release of growth factor. Journal of Biomedical Materials Research - Part A, 2012, 100A, 3408-3415.	4.0	33
21	Electrospinning of chitosan derivative nanofibers with structural stability in an aqueous environment. Physical Chemistry Chemical Physics, 2011, 13, 9969.	2.8	38
22	Fabrication and cellular compatibility of aligned chitosanâ€“PCL fibers for nerve tissue regeneration. Carbohydrate Polymers, 2011, 85, 149-156.	10.2	219
23	Chitosan-based hydrogels for controlled, localized drug delivery. Advanced Drug Delivery Reviews, 2010, 62, 83-99.	13.7	2,026
24	Aligned chitosan-based nanofibers for enhanced myogenesis. Journal of Materials Chemistry, 2010, 20, 8904.	6.7	89
25	PEG-Mediated Synthesis of Highly Dispersive Multifunctional Superparamagnetic Nanoparticles: Their Physicochemical Properties and Function In Vivo. ACS Nano, 2010, 4, 2402-2410.	14.6	250
26	Chlorotoxin Labeled Magnetic Nanovectors for Targeted Gene Delivery to Glioma. ACS Nano, 2010, 4, 4587-4594.	14.6	203
27	Functionalization of iron oxide magnetic nanoparticles with targeting ligands: their physicochemical properties and in vivo behavior. Nanomedicine, 2010, 5, 1357-1369.	3.3	54
28	Rapid Pharmacokinetic and Biodistribution Studies Using Cholorotoxin-Conjugated Iron Oxide Nanoparticles: A Novel Non-Radioactive Method. PLoS ONE, 2010, 5, e9536.	2.5	85
29	Design and evaluation of a nanoscale differential tensile test device for nanofibers. Applied Physics Letters, 2009, 94, 103101.	3.3	9
30	PEIâ€“PEGâ€“Chitosanâ€Copolymerâ€Coated Iron Oxide Nanoparticles for Safe Gene Delivery: Synthesis, Complexation, and Transfection. Advanced Functional Materials, 2009, 19, 2244-2251.	14.9	359
31	Naturalâ€Synthetic Polyblend Nanofibers for Biomedical Applications. Advanced Materials, 2009, 21, 2792-2797.	21.0	145
32	Functionalized Nanoparticles with Longâ€Term Stability in Biological Media. Small, 2009, 5, 1637-1641.	10.0	227
33	Specific Targeting of Brain Tumors with an Optical/Magnetic Resonance Imaging Nanoprobe across the Blood-Brain Barrier. Cancer Research, 2009, 69, 6200-6207.	0.9	347
34	Hydrophobically modified chitosan/gold nanoparticles for DNA delivery. Journal of Nanoparticle Research, 2008, 10, 151-162.	1.9	53
35	Carbon nanotube-hydroxyapatite nanocomposite for DNA complexation. Materials Science and Engineering C, 2008, 28, 64-69.	7.3	32
36	Controlled synthesis and structural stability of alginate-based nanofibers. Nanotechnology, 2007, 18, 455601.	2.6	126

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37	Synthesis and characterization of amine-functionalized amphiphilic block copolymers based on poly(ethylene glycol) and poly(caprolactone). Polymer International, 2007, 56, 518-524.	3.1	9
38	Stabilization of gold nanoparticles by hydrophobically-modified polycations. Journal of Biomaterials Science, Polymer Edition, 2006, 17, 579-589.	3.5	25
39	Novel block copolymer (PPDO/PLLA-b-PEG): Enhancement of DNA uptake and cell transfection. Acta Biomaterialia, 2006, 2, 207-212.	8.3	18
40	Spectroscopic identification of SAu interaction in cysteine capped gold nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 63, 160-163.	3.9	257
41	Mechanical behaviors and characterization of electrospun polysulfone/polyurethane blend nonwovens. Macromolecular Research, 2006, 14, 331-337.	2.4	51
42	Study of electrolyte induced aggregation of gold nanoparticles capped by amino acids. Journal of Colloid and Interface Science, 2006, 299, 191-197.	9.4	98
43	Stabilization of gold nanoparticles by thiol functionalized poly(É›-Caprolactone) for the labeling of PCL biocarrier. Materials Chemistry and Physics, 2006, 98, 463-469.	4.0	21
44	Hydrophilic nanofibrous structure of polylactide; fabrication and cell affinity. Journal of Biomedical Materials Research - Part A, 2006, 78A, 247-257.	4.0	103
45	Chitosan and lactic acid-grafted chitosan nanoparticles as carriers for prolonged drug delivery. International Journal of Nanomedicine, 2006, 1, 181-187.	6.7	106
46	Electrospun chitosan-based nanofibers and their cellular compatibility. Biomaterials, 2005, 26, 6176-6184.	11.4	815
47	PEG-grafted chitosan as an injectable thermosensitive hydrogel for sustained protein release. Journal of Controlled Release, 2005, 103, 609-624.	9.9	591
48	PEG-Grafted Chitosan as an Injectable Thermoreversible Hydrogel. Macromolecular Bioscience, 2005, 5, 107-111.	4.1	145
49	Optical and MRI Multifunctional Nanoprobe for Targeting Gliomas. Nano Letters, 2005, 5, 1003-1008.	9.1	562
50	Thermal decomposition kinetics of copolymers derived fromp-dioxanone, L-lactide and poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.1	3
51	Novel biodegradable electrospun membrane: scaffold for tissue engineering. Biomaterials, 2004, 25, 2595-2602.	11.4	440
52	Synthesis and hydrolytic degradation of a random copolymer derived from 1,4-dioxan-2-one and glycolide. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 2558-2566.	2.1	16
53	Synthesis and characterization of ABA-type block copolymers of trimethylene carbonate andÎ¼-caprolactone. Polymer International, 2004, 53, 312-319.	3.1	13
54	Novel Polymeric Micelles of Amphiphilic Triblock Copolymer Poly (p-Dioxanone-co-L-Lactide)-block-Poly (ethylene glycol). Pharmaceutical Research, 2003, 20, 2021-2027.	3.5	15

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55	Electrospun nanofibrous polyurethane membrane as wound dressing. Journal of Biomedical Materials Research Part B, 2003, 67B, 675-679.	3.1	737
56	Nonisothermal crystallization and melting behavior of the copolymer derived from p-dioxanone and poly(ethylene glycol). European Polymer Journal, 2003, 39, 1365-1375.	5.4	37
57	Aqueous solution properties of amphiphilic triblock copolymer poly(p-dioxanone-co-l-lactide)-block-poly(ethylene glycol). European Polymer Journal, 2003, 39, 1603-1608.	5.4	29
58	Biodegradable electrospun mat: Novel block copolymer of poly (p-dioxanone-co-L-lactide)-block-poly(ethylene glycol). Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 1955-1964.	2.1	30
59	Synthesis and characterization of ABA type tri-block copolymers derived fromp-dioxanone,L-lactide and poly(ethylene glycol). Polymer International, 2003, 52, 6-14.	3.1	36
60	Thermogravimetric study of copolymers derived from p-dioxanone, l-lactide and poly (ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	5.8	17