

Deepthy Menon

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8508512/publications.pdf>

Version: 2024-02-01

96
papers

6,844
citations

87401

40
h-index

66518

82
g-index

98
all docs

98
docs citations

98
times ranked

13387
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomedical applications of chitin and chitosan based nanomaterialsâ€”A short review. Carbohydrate Polymers, 2010, 82, 227-232.	5.1	1,085
2	Role of size scale of ZnO nanoparticles and microparticles on toxicity toward bacteria and osteoblast cancer cells. Journal of Materials Science: Materials in Medicine, 2009, 20, 235-241.	1.7	431
3	Preparation, characterization, in vitro drug release and biological studies of curcumin loaded dextran sulphateâ€”chitosan nanoparticles. Carbohydrate Polymers, 2011, 84, 1158-1164.	5.1	417
4	Differential nano-bio interactions and toxicity effects of pristine versus functionalized graphene. Nanoscale, 2011, 3, 2461.	2.8	403
5	Hemocompatibility and Macrophage Response of Pristine and Functionalized Graphene. Small, 2012, 8, 1251-1263.	5.2	314
6	Molecular-receptor-specific, non-toxic, near-infrared-emitting Au cluster-protein nanoconjugates for targeted cancer imaging. Nanotechnology, 2010, 21, 055103.	1.3	291
7	Electrospinning of carboxymethyl chitin/poly(vinyl alcohol) nanofibrous scaffolds for tissue engineering applications. Carbohydrate Polymers, 2009, 77, 863-869.	5.1	255
8	Biocompatible Magnetite/Gold Nanohybrid Contrast Agents via Green Chemistry for MRI and CT Bioimaging. ACS Applied Materials & Interfaces, 2012, 4, 251-260.	4.0	221
9	Folate receptor targeted, rare-earth oxide nanocrystals for bi-modal fluorescence and magnetic imaging of cancer cells. Biomaterials, 2010, 31, 714-729.	5.7	176
10	Green Synthesis of Anisotropic Gold Nanoparticles for Photothermal Therapy of Cancer. ACS Applied Materials & Interfaces, 2014, 6, 8080-8089.	4.0	164
11	Bio-conjugated luminescent quantum dots of doped ZnS: a cyto-friendly system for targeted cancer imaging. Nanotechnology, 2009, 20, 065102.	1.3	145
12	A molecular receptor targeted, hydroxyapatite nanocrystal based multi-modal contrast agent. Biomaterials, 2010, 31, 2606-2616.	5.7	121
13	Rapid dissolution of ZnO nanocrystals in acidic cancer microenvironment leading to preferential apoptosis. Nanoscale, 2011, 3, 3657.	2.8	118
14	PCLâ€”gelatin composite nanofibers electrospun using diluted acetic acidâ€”ethyl acetate solvent system for stem cell-based bone tissue engineering. Journal of Biomaterials Science, Polymer Edition, 2014, 25, 325-340.	1.9	108
15	Control of nanostructures in PVA, PVA/chitosan blends and PCL through electrospinning. Bulletin of Materials Science, 2008, 31, 343-351.	0.8	94
16	Cetuximab conjugated O-carboxymethyl chitosan nanoparticles for targeting EGFR overexpressing cancer cells. Carbohydrate Polymers, 2013, 93, 661-669.	5.1	92
17	Sequentially releasing dual-drug-loaded PLGAâ€”casein core/shell nanomedicine: Design, synthesis, biocompatibility and pharmacokinetics. Acta Biomaterialia, 2014, 10, 2112-2124.	4.1	92
18	The design of novel nanostructures on titanium by solution chemistry for an improved osteoblast response. Nanotechnology, 2009, 20, 195101.	1.3	91

#	ARTICLE	IF	CITATIONS
19	Dual release of growth factor from nanocomposite fibrous scaffold promotes vascularisation and bone regeneration in rat critical sized calvarial defect. <i>Acta Biomaterialia</i> , 2018, 78, 36-47.	4.1	85
20	Sequential release of epigallocatechin gallate and paclitaxel from PLGA-casein core/shell nanoparticles sensitizes drug-resistant breast cancer cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1399-1406.	1.7	83
21	Integrating Substrateless Electrospinning with Textile Technology for Creating Biodegradable Three-Dimensional Structures. <i>Nano Letters</i> , 2015, 15, 5420-5426.	4.5	81
22	Electrospun Polymeric Core-shell Yarns as Drug Eluting Surgical Sutures. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6925-6934.	4.0	80
23	In vitro hemocompatibility and vascular endothelial cell functionality on titania nanostructures under static and dynamic conditions for improved coronary stenting applications. <i>Acta Biomaterialia</i> , 2013, 9, 9568-9577.	4.1	74
24	Poly-(ethylene glycol) modified gelatin nanoparticles for sustained delivery of the anti-inflammatory drug Ibuprofen-Sodium: An in vitro and in vivo analysis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 818-828.	1.7	74
25	A novel chitosan/polyoxometalate nano-complex for anti-cancer applications. <i>Carbohydrate Polymers</i> , 2011, 84, 887-893.	5.1	73
26	Mannosylated chitosan-zinc sulphide nanocrystals as fluorescent bioprobes for targeted cancer imaging. <i>Carbohydrate Polymers</i> , 2011, 85, 37-43.	5.1	54
27	Surface Plasma Treatment of Poly(caprolactone) Micro, Nano, and Multiscale Fibrous Scaffolds for Enhanced Osteoconductivity. <i>Tissue Engineering - Part A</i> , 2014, 20, 1689-1702.	1.6	51
28	Influence of titania nanotopography on human vascular cell functionality and its proliferation in vitro. <i>Journal of Materials Chemistry</i> , 2012, 22, 1326-1340.	6.7	50
29	Fibrin nanoconstructs: a novel processing method and their use as controlled delivery agents. <i>Nanotechnology</i> , 2012, 23, 095102.	1.3	50
30	Fabrication of Electrospun Poly (Lactide-co-Glycolide)-Fibrin Multiscale Scaffold for Myocardial Regeneration <i>In Vitro</i> . <i>Tissue Engineering - Part A</i> , 2013, 19, 849-859.	1.6	49
31	A Novel Method for the Fabrication of Fibrin-Based Electrospun Nanofibrous Scaffold for Tissue-Engineering Applications. <i>Tissue Engineering - Part C: Methods</i> , 2011, 17, 1121-1130.	1.1	48
32	Bioinspired Composite Matrix Containing Hydroxyapatite-Silica Core-Shell Nanorods for Bone Tissue Engineering. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26707-26718.	4.0	48
33	Folate targeted polymeric "green" nanotherapy for cancer. <i>Nanotechnology</i> , 2010, 21, 285107.	1.3	46
34	<i>In vitro</i> targeted imaging and delivery of camptothecin using cetuximab-conjugated multifunctional PLGA-ZnS nanoparticles. <i>Nanomedicine</i> , 2012, 7, 507-519.	1.7	43
35	ZnO nanoparticle incorporated nanostructured metallic titanium for increased mesenchymal stem cell response and antibacterial activity. <i>Nanotechnology</i> , 2014, 25, 115101.	1.3	43
36	Electrochemical tuning of titania nanotube morphology in inhibitor electrolytes. <i>Electrochimica Acta</i> , 2010, 55, 3703-3713.	2.6	42

#	ARTICLE	IF	CITATIONS
37	Biocompatible and Antibacterial Nanofibrous Poly(ϵ -caprolactone)-Nanosilver Composite Scaffolds for Tissue Engineering Applications. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2012, 49, 131-138.	1.2	42
38	Ambient temperature synthesis of citrate stabilized and biofunctionalized, fluorescent calcium fluoridenanocrystals for targeted labeling of cancer cells. <i>Biomaterials Science</i> , 2013, 1, 294-305.	2.6	42
39	Chitosan cross-linked docetaxel loaded EGF receptor targeted nanoparticles for lung cancer cells. <i>International Journal of Biological Macromolecules</i> , 2014, 69, 532-541.	3.6	42
40	CD33 monoclonal antibody conjugated Au cluster nano-bioprobe for targeted flow-cytometric detection of acute myeloid leukaemia. <i>Nanotechnology</i> , 2011, 22, 285102.	1.3	41
41	Actively Targeted Cetuximab Conjugated ^{131}I -Poly(glutamic acid)-Docetaxel Nanomedicines for Epidermal Growth Factor Receptor Over Expressing Colon Cancer Cells. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 1416-1428.	0.5	41
42	Hematotoxicological analysis of surface-modified and unmodified chitosan nanoparticles. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101, 2957-2966.	2.1	38
43	Rapid detection of oral cancer using Ag-TiO ₂ nanostructured surface-enhanced Raman spectroscopic substrates. <i>Journal of Materials Chemistry B</i> , 2014, 2, 989-998.	2.9	37
44	Impact of poly(lactic-co-glycolic acid) nanoparticle surface charge on protein, cellular and haematological interactions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 1058-1066.	2.5	37
45	A systematic evaluation of hydroxyethyl starch as a potential nanocarrier for parenteral drug delivery. <i>International Journal of Biological Macromolecules</i> , 2015, 74, 575-584.	3.6	36
46	Highly biocompatible TiO ₂ :Gd ³⁺ nano-contrast agent with enhanced longitudinal relaxivity for targeted cancer imaging. <i>Nanoscale</i> , 2011, 3, 4150.	2.8	34
47	Preparation of Budesonide-Loaded Polycaprolactone Nanobeads by Electrospraying for Controlled Drug Release. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011, 22, 2431-2444.	1.9	34
48	Long-term drug delivery using implantable electrospun woven polymeric nanotextiles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 15, 274-284.	1.7	33
49	Biodegradable nanocomposite fibrous scaffold mediated local delivery of vancomycin for the treatment of MRSA infected experimental osteomyelitis. <i>Biomaterials Science</i> , 2020, 8, 2653-2665.	2.6	32
50	Bone Tissue Engineering with Multilayered Scaffolds—Part I: An Approach for Vascularizing Engineered Constructs <i>In Vivo</i> . <i>Tissue Engineering - Part A</i> , 2015, 21, 2480-2494.	1.6	31
51	Gelatin nanoparticles loaded poly(ϵ -caprolactone) scaffolds for drug delivery. <i>Journal of Materials (Bristol)</i> , 2012, 7, 065001.	1.7	28
52	Fabrication of Fibrin Based Electrospun Multiscale Composite Scaffold for Tissue Engineering Applications. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 790-800.	0.5	28
53	Transforming Nanofibers into Woven Nanotextiles for Vascular Application. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19449-19458.	4.0	27
54	Green Synthesis of Biocompatible Gold Nanocrystals with Tunable Surface Plasmon Resonance Using Garlic Phytochemicals. <i>Journal of Biomedical Nanotechnology</i> , 2012, 8, 901-911.	0.5	26

#	ARTICLE	IF	CITATIONS
55	Superabsorbent sodium carboxymethyl cellulose membranes based on a new cross-linker combination for female sanitary napkin applications. <i>Carbohydrate Polymers</i> , 2020, 248, 116763.	5.1	26
56	Antibacterial and cytocompatible nanotextured Ti surface incorporating silver via single step hydrothermal processing. <i>Materials Science and Engineering C</i> , 2017, 75, 115-124.	3.8	25
57	Targeted Labeling of Cancer Cells Using Biotin Tagged Avidin Functionalized Biocompatible Fluorescent Nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 7611-7620.	0.9	24
58	Development and haematotoxicological evaluation of doped hydroxyapatite based multimodal nanocontrast agent for near-infrared, magnetic resonance and X-ray contrast imaging. <i>Nanotoxicology</i> , 2012, 6, 652-666.	1.6	24
59	Theranostic Iron Oxide/Gold Ion Nanoprobes for MR Imaging and Noninvasive RF Hyperthermia. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28260-28272.	4.0	24
60	Intraperitoneal chemotherapy for ovarian cancer using sustained-release implantable devices. <i>Expert Opinion on Drug Delivery</i> , 2018, 15, 481-494.	2.4	24
61	Nanotextured stainless steel for improved corrosion resistance and biological response in coronary stenting. <i>Nanoscale</i> , 2015, 7, 832-841.	2.8	23
62	Stable Titania Nanostructures on Stainless Steel Coronary Stent Surface for Enhanced Corrosion Resistance and Endothelialization. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601353.	3.9	23
63	Generation of a biomimetic 3D microporous nano-fibrous scaffold on titanium surfaces for better osteointegration of orthopedic implants. <i>Journal of Materials Chemistry</i> , 2012, 22, 1904-1915.	6.7	21
64	Electrospun Yarn Reinforced NanoHA Composite Matrix as a Potential Bone Substitute for Enhanced Regeneration of Segmental Defects. <i>Tissue Engineering - Part A</i> , 2017, 23, 345-358.	1.6	21
65	Enhanced anti-tumor efficacy and safety with metronomic intraperitoneal chemotherapy for metastatic ovarian cancer using biodegradable nanotextile implants. <i>Journal of Controlled Release</i> , 2019, 305, 29-40.	4.8	21
66	Surface engineering at the nanoscale: A way forward to improve coronary stent efficacy. <i>APL Bioengineering</i> , 2021, 5, 021508.	3.3	21
67	Rationally Designed Aberrant Kinase-Targeted Endogenous Protein Nanomedicine against Oncogene Mutated/Amplified Refractory Chronic Myeloid Leukemia. <i>Molecular Pharmaceutics</i> , 2012, 9, 3062-3078.	2.3	20
68	Nanofibrous Polydioxanone Depots for Prolonged Intraperitoneal Paclitaxel Delivery. <i>Current Drug Delivery</i> , 2019, 16, 654-662.	0.8	20
69	Nanofibrous yarn reinforced HA-gelatin composite scaffolds promote bone formation in critical sized alveolar defects in rabbit model. <i>Biomedical Materials (Bristol)</i> , 2018, 13, 065011.	1.7	19
70	Influence of surface passivation of 2-Methoxyestradiol loaded PLGA nanoparticles on cellular interactions, pharmacokinetics and tumour accumulation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 150, 242-249.	2.5	16
71	Strategies for Targeting Cancer Immunotherapy Through Modulation of the Tumor Microenvironment. <i>Regenerative Engineering and Translational Medicine</i> , 2020, 6, 29-49.	1.6	16
72	Hydroxyapatite-Reinforced Polyamide 6,6 Nanocomposites through Melt Compounding. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2010, 59, 498-509.	1.8	15

#	ARTICLE	IF	CITATIONS
73	A Polymer-Protein Core-Shell Nanomedicine for Inhibiting Cancer Migration Followed by Photo-Triggered Killing. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 1401-1415.	0.5	14
74	Successful Reduction of Neointimal Hyperplasia on Stainless Steel Coronary Stents by Titania Nanotexturing. <i>ACS Omega</i> , 2020, 5, 17582-17591.	1.6	13
75	Multifunctional fluorescent iron quantum clusters for non-invasive radiofrequency ablation of cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 165, 371-380.	2.5	12
76	Bioinspired nanocomposite fibrous scaffold mediated delivery of ONO-1301 and BMP2 enhance bone regeneration in critical sized defect. <i>Materials Science and Engineering C</i> , 2020, 110, 110591.	3.8	10
77	ONO-1301 loaded nanocomposite scaffolds modulate cAMP mediated signaling and induce new bone formation in critical sized bone defect. <i>Biomaterials Science</i> , 2020, 8, 884-896.	2.6	9
78	Design, Development, and Evaluation of an Interwoven Electrospun Nanotextile Vascular Patch. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100359.	1.7	9
79	Electrical stimulation of co-woven nerve conduit for peripheral neurite differentiation. <i>Biomedical Materials (Bristol)</i> , 2020, 15, 065015.	1.7	9
80	Development and molecular characterization of polymeric micro-nanofibrous scaffold of a defined 3-D niche for in vitro chemosensitivity analysis against acute myeloid leukemia cells. <i>International Journal of Nanomedicine</i> , 2015, 10, 3603.	3.3	8
81	Evaluation of osseointegration of staged or simultaneously placed dental implants with nanocomposite fibrous scaffolds in rabbit mandibular defect. <i>Materials Science and Engineering C</i> , 2019, 104, 109864.	3.8	8
82	Effect of formulation parameters on pharmacokinetics, pharmacodynamics, and safety of diclofenac nanomedicine. <i>Drug Delivery and Translational Research</i> , 2019, 9, 867-878.	3.0	8
83	Mn-doped Zinc Sulphide nanocrystals for immunofluorescent labeling of epidermal growth factor receptors on cells and clinical tumor tissues. <i>Nanotechnology</i> , 2014, 25, 445102.	1.3	7
84	Proteins and Carbohydrates as Polymeric Nanodrug Delivery Systems: Formulation, Properties, and Toxicological Evaluation. <i>Advances in Polymer Science</i> , 2013, , 241-267.	0.4	6
85	A novel small diameter nanotextile arterial graft is associated with surgical feasibility and safety and increased transmural endothelial ingrowth in pig. <i>Journal of Nanobiotechnology</i> , 2022, 20, 71.	4.2	6
86	O-Carboxymethyl Chitosan Nanoparticles for Controlled Release of Non-Steroidal Anti-Inflammatory Drugs. <i>Advanced Science, Engineering and Medicine</i> , 2014, 6, 522-530.	0.3	5
87	Nanocomposite fibrous scaffold mediated mandible reconstruction and dental rehabilitation: An experimental study in pig model. <i>Materials Science and Engineering C</i> , 2021, , 112631.	3.8	5
88	Nanofibrous Facemasks with Curcumin for Improved Bacterial/Particulate Filtration and Biocidal Activity. <i>ACS Applied Polymer Materials</i> , 2022, 4, 4839-4849.	2.0	4
89	Anisotropic microparticles for differential drug release in nerve block anesthesia. <i>RSC Advances</i> , 2021, 11, 4623-4630.	1.7	3
90	Graphene Quantum Dots Alter Proliferation and Meiosis of Germ Cells Only in Genetic Females of Japanese Medaka during Early Embryonic Development. <i>ACS Applied Bio Materials</i> , 2019, 2, 737-746.	2.3	2

#	ARTICLE	IF	CITATIONS
91	From nonwoven fibers to woven nanotextiles. , 2021, , 123-156.		1
92	Superhydrophilic multifunctional nanotextured titanium dental implants: <i>in vivo</i> short and long-term response in a porcine model. Biomaterials Science, 2022, 10, 728-743.	2.6	1
93	Nanoparticles as Drug Delivery Vehicles for the Therapy of Inflammatory Disorders. Frontiers in Nanobiomedical Research, 2013, , 477-516.	0.1	0
94	Nanoparticles as Drug Delivery Vehicles for the Therapy of Inflammatory Disorders. Frontiers in Nanobiomedical Research, 2016, , 165-204.	0.1	0
95	Silk-based bilayered small diameter woven vascular conduits for improved mechanical and cellular characteristics. International Journal of Polymeric Materials and Polymeric Biomaterials, 0, , 1-10.	1.8	0
96	Differential Drug Release Kinetics from Paclitaxel-Loaded Polydioxanone Membranes and Capsules. Recent Advances in Drug Delivery and Formulation, 2022, 16, 241-252.	0.3	0