

Surendra Nimesh

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

2,519
citations

185998

28
h-index

205818

48
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79
all docs

79
docs citations

79
times ranked

3936
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent development in therapeutic strategies targeting <i>Pseudomonas aeruginosa</i> biofilms – A review. <i>Materials Today: Proceedings</i> , 2021, 46, 2359-2373.	0.9	4
2	PGMD/curcumin nanoparticles for the treatment of breast cancer. <i>Scientific Reports</i> , 2021, 11, 3824.	1.6	54
3	Exploring the Antibacterial and Antibiofilm Efficacy of Silver Nanoparticles Biosynthesized Using <i>Punica granatum</i> Leaves. <i>Molecules</i> , 2021, 26, 5762.	1.7	13
4	A Study on Impact of BPA in the Adipose Tissue Dysfunction (Adiposopathy) in Asian Indian Type 2 Diabetes Mellitus Subjects. <i>Indian Journal of Clinical Biochemistry</i> , 2020, 35, 451-457.	0.9	10
5	Enhancement effects of process optimization technique while elucidating the degradation pathways of drugs present in pharmaceutical industry wastewater using <i>Micrococcus yunnanensis</i> . <i>Chemosphere</i> , 2020, 238, 124689.	4.2	21
6	Aryldiazoquinoline based multifunctional small molecules for modulating Al^{2+} aggregation and cholinesterase activity related to Alzheimer's disease. <i>RSC Advances</i> , 2020, 10, 28827-28837.	1.7	8
7	Poly-(Lactic-co-Glycolic) Acid Nanoparticles for Synergistic Delivery of Epirubicin and Paclitaxel to Human Lung Cancer Cells. <i>Molecules</i> , 2020, 25, 4243.	1.7	19
8	Diosgenin Loaded Polymeric Nanoparticles with Potential Anticancer Efficacy. <i>Biomolecules</i> , 2020, 10, 1679.	1.8	14
9	Assessment of antibacterial and anticancer capability of silver nanoparticles extracellularly biosynthesized using <i>Aspergillus terreus</i> . <i>Nano Express</i> , 2020, 1, 030011.	1.2	8
10	Antimicrobial Silver Nanoparticles: Future of Nanomaterials. <i>Nanotechnology in the Life Sciences</i> , 2019, , 89-119.	0.4	19
11	Recent Progress in Applied Nanomaterials. <i>Nanotechnology in the Life Sciences</i> , 2019, , 33-64.	0.4	2
12	Polyphosphate recovery by a native <i>Bacillus cereus</i> strain as a direct effect of glyphosate uptake. <i>ISME Journal</i> , 2019, 13, 1497-1505.	4.4	20
13	Catalytic, antibacterial and antibiofilm efficacy of biosynthesised silver nanoparticles using <i>Prosopis juliflora</i> leaf extract along with their wound healing potential. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 190, 50-58.	1.7	51
14	Evaluation of Anticancer activity of Silver Nanoparticles on the A549 Human Lung Carcinoma Cell Lines through Alamar Blue Assay. <i>Bio-protocol</i> , 2019, 9, e3131.	0.2	17
15	Versatile biomedical potential of biosynthesized silver nanoparticles from <i>Acacia nilotica</i> bark. <i>Journal of Applied Biomedicine</i> , 2019, 17, 115-124.	0.6	11
16	Phenotypic and virulence traits of <i>Escherichia coli</i> and <i>Salmonella</i> strains isolated from vegetables and fruits from India. <i>Journal of Applied Microbiology</i> , 2018, 125, 270-281.	1.4	22
17	Hypochlorite-Mediated Modulation of Photoinduced Electron Transfer in a Phenothiazine-Boron dipyrromethene Electron Donor-Acceptor Dyad: A Highly Water Soluble Fluorescent Probe for Hypochlorite. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1594-1608.	1.7	25
18	Advancement in nanotechnology-based approaches for the treatment and diagnosis of hypercholesterolemia. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 188-197.	1.9	6

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19	Green synthesis of silver nanoparticles using <i>Prosopis juliflora</i> bark extract: reaction optimization, antimicrobial and catalytic activities. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 985-993.	1.9	102
20	Evaluation of antibiofilm and catalytic activity of biogenic silver nanoparticles synthesized from <i>Acacia nilotica</i> leaf extract. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2018, 9, 045003.	0.7	9
21	Bile Acid Oligomers and Their Combination with Antibiotics To Combat Bacterial Infections. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10265-10275.	2.9	38
22	An Effective Approach for Enhanced Oil Recovery Using Nickel Nanoparticles Assisted Polymer Flooding. <i>Energy & Fuels</i> , 2018, 32, 11212-11221.	2.5	35
23	Microbial Degradation of Organophosphate Pesticides: A Review. <i>Pedosphere</i> , 2018, 28, 190-208.	2.1	208
24	Synthesis and evolution of polymeric nanoparticles. , 2018, , 401-438.		7
25	Polymeric nanocarriers for site-specific gene therapy. , 2018, , 689-714.		7
26	Genetics of Lipodystrophy: Can It Help in Understanding the Pathophysiology of Metabolic Syndrome?. <i>Biomolecules</i> , 2018, 8, 47.	1.8	2
27	Antibacterial, anticancer and antioxidant potential of silver nanoparticles engineered using <i>Trigonella foenum-graecum</i> seed extract. <i>IET Nanobiotechnology</i> , 2018, 12, 526-533.	1.9	30
28	Biosynthesis and in vitro Antimicrobial Potential of Silver Nanoparticles Prepared using <i>Dicoma tomentosa</i> Plant Extract. <i>Nanoscience and Nanotechnology - Asia</i> , 2018, 8, 240-247.	0.3	4
29	Differential cytotoxic and inflammatory potency of amorphous silicon dioxide nanoparticles of similar size in multiple cell lines. <i>Nanotoxicology</i> , 2017, 11, 223-235.	1.6	47
30	Hypochlorite-promoted inhibition of photo-induced electron transfer in phenothiazine-borondipyrromethene donor-acceptor dyad: a cost-effective and metal-free fluorescent chemosensor for hypochlorite. <i>New Journal of Chemistry</i> , 2017, 41, 5322-5333.	1.4	30
31	Degradation of anthropogenic pollutant and organic dyes by biosynthesized silver nano-catalyst from <i>Cicer arietinum</i> leaves. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 174, 90-96.	1.7	50
32	Antibacterial efficacy of silver nanoparticles synthesized employing <i>Terminalia arjuna</i> bark extract. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 1192-1200.	1.9	58
33	Regulatory aspects of nanoparticulate mediated nucleic acid delivery systems. , 2017, , 203-217.		1
34	Nanoparticles for locked nucleic acid delivery. , 2017, , 113-134.		0
35	Nanotoxicology. , 2017, , 187-201.		4
36	Nanomedicine for delivery of therapeutic molecules. , 2017, , 1-12.		21

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37	Antibacterial potential of silver nanoparticles biosynthesised using <i>Canarium ovatum</i> leaves extract. IET Nanobiotechnology, 2017, 11, 506-511.	1.9	19
38	Nanoparticles for siRNA-mediated gene silencing. , 2017, , 83-111.		0
39	Clinical studies and future prospects. , 2017, , 219-232.		0
40	Advances in preparation and characterization of chitosan nanoparticles for therapeutics. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 305-314.	1.9	85
41	Effect of size on biological properties of nanoparticles employed in gene delivery. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 83-91.	1.9	118
42	Antibacterial and photocatalytic degradation efficacy of silver nanoparticles biosynthesized using <i>Cordia dichotoma</i> leaf extract. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2016, 7, 045009.	0.7	81
43	Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) Single Domain Antibodies Are Potent Inhibitors of Low Density Lipoprotein Receptor Degradation. Journal of Biological Chemistry, 2016, 291, 16659-16671.	1.6	28
44	RNA interference technology with emphasis on delivery vehicles—prospects and limitations. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1391-1399.	1.9	7
45	Natural Plant Extracts as Potential Therapeutic Agents for the Treatment of Cancer. Current Topics in Medicinal Chemistry, 2016, 17, 96-106.	1.0	43
46	Advances in Gene Delivery Systems. BioMed Research International, 2015, 2015, 1-2.	0.9	13
47	Synthesis and Physicochemical Characterization of Mesoporous S_{100} Journal of Nanomaterials, 2014, 2014, 1-12.	1.5	26
48	Current Status and Future Perspectives of Mass Spectrometry Imaging. International Journal of Molecular Sciences, 2013, 14, 11277-11301.	1.8	31
49	Characterization of nanoparticles: in vitro and in vivo. , 2013, , 65-88.		0
50	Tools and techniques for physico-chemical characterization of nanoparticles. , 2013, , 43-63.		10
51	Chitosan nanoparticles. , 2013, , 163-196.		1
52	Polyethylenimine nanoparticles. , 2013, , 197-223.		4
53	Theory and limitations to gene therapy. , 2013, , 89-111.		2
54	Polyethylenimine as a Promising Vector for Targeted siRNA Delivery. Current Clinical Pharmacology, 2012, 7, 121-130.	0.2	57

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55	Potential implications of nanoparticle characterization on <i>in vitro</i> and <i>in vivo</i> gene delivery. <i>Therapeutic Delivery</i> , 2012, 3, 1347-1356.	1.2	8
56	Improved transfection efficiency of chitosan-DNA complexes employing reverse transfection. <i>Journal of Applied Polymer Science</i> , 2012, 124, 1771-1777.	1.3	9
57	Recent Patents in siRNA Delivery Employing Nanoparticles as Delivery Vectors. <i>Recent Patents on DNA & Gene Sequences</i> , 2012, 6, 91-97.	0.7	9
58	Strategies and advances in nanomedicine for targeted siRNA delivery. <i>Nanomedicine</i> , 2011, 6, 729-746.	1.7	22
59	Cationic Polymer Based Nanocarriers for Delivery of Therapeutic Nucleic Acids. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 504-520.	0.5	66
60	Enhanced Gene Delivery Mediated by Low Molecular Weight Chitosan/DNA Complexes: Effect of pH and Serum. <i>Molecular Biotechnology</i> , 2010, 46, 182-196.	1.3	107
61	Controlled size chitosan nanoparticles as an efficient, biocompatible oligonucleotides delivery system. <i>Journal of Applied Polymer Science</i> , 2010, 118, 2071-2077.	1.3	16
62	Intracellular Trafficking and Decondensation Kinetics of Chitosan-pDNA Polyplexes. <i>Molecular Therapy</i> , 2010, 18, 1787-1795.	3.7	93
63	Polyethylenimine nanoparticles as an efficient <i>in vitro</i> siRNA delivery system. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 73, 43-49.	2.0	45
64	Guanidinium-grafted polyethylenimine: An efficient transfecting agent for mammalian cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 68, 647-655.	2.0	45
65	Synthesis, characterization and <i>in vitro</i> biological studies of novel cyano derivatives of N-alkyl and N-aryl piperazine. <i>European Journal of Medicinal Chemistry</i> , 2007, 42, 471-476.	2.6	19
66	Influence of acyl chain length on transfection mediated by acylated PEI nanoparticles. <i>International Journal of Pharmaceutics</i> , 2007, 337, 265-274.	2.6	85
67	An efficient synthesis of 1,5-benzodiazepine derivatives catalyzed by silver nitrate. <i>Green Chemistry</i> , 2006, 8, 519.	4.6	79
68	Polyethylene glycol as a non-ionic liquid solvent for Michael addition reaction of amines to conjugated alkenes. <i>Green Chemistry</i> , 2006, 8, 356.	4.6	114
69	Novel polyallylamine-dextran sulfate-DNA nanoplexes: Highly efficient non-viral vector for gene delivery. <i>International Journal of Pharmaceutics</i> , 2006, 320, 143-149.	2.6	48
70	Preparation, characterization and <i>in vitro</i> drug release studies of novel polymeric nanoparticles. <i>International Journal of Pharmaceutics</i> , 2006, 323, 146-152.	2.6	43
71	PEI-alginate nanocomposites as efficient <i>in vitro</i> gene transfection agents. <i>Journal of Controlled Release</i> , 2006, 114, 398-409.	4.8	92