

Pravin K Shende

List of Publications by Citations

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130
papers

1,252
citations

18
h-index

29
g-index

146
ext. papers

1,715
ext. citations

4.4
avg, IF

6.02
L-index

#	Paper	IF	Citations
130	Nanoflowers: the future trend of nanotechnology for multi-applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 413-422	6.1	74
129	Influence of different techniques on formulation and comparative characterization of inclusion complexes of ASA with β -cyclodextrin and inclusion complexes of ASA with PMDA cross-linked β -cyclodextrin nanosponges. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2012 , 74, 447-454		72
128	Acute and repeated dose toxicity studies of different β -cyclodextrin-based nanosponge formulations. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 1856-63	3.9	67
127	Effect of inclusion complexation of meloxicam with β -cyclodextrin- and β -cyclodextrin-based nanosponges on solubility, in vitro release and stability studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 136, 105-10	6	63
126	Diversity of β -cyclodextrin-based nanosponges for transformation of actives. <i>International Journal of Pharmaceutics</i> , 2019 , 565, 333-350	6.5	53
125	Integration of 3D printing with dosage forms: A new perspective for modern healthcare. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 107, 146-154	7.5	46
124	Pathophysiology, mechanisms and applications of mesenchymal stem cells for the treatment of spinal cord injury. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 91, 693-706	7.5	45
123	Novel cyclodextrin nanosponges for delivery of calcium in hyperphosphatemia. <i>International Journal of Pharmaceutics</i> , 2013 , 456, 95-100	6.5	43
122	Current trends and emerging diagnostic techniques for lung cancer. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 106, 1586-1599	7.5	34
121	Biomimetic estimation of glucose using non-molecular and molecular imprinted polymer nanosponges. <i>International Journal of Pharmaceutics</i> , 2015 , 494, 244-8	6.5	33
120	Functionalized nanosponges for controlled antibacterial and antihypocalcemic actions. <i>Biomedicine and Pharmacotherapy</i> , 2016 , 84, 485-494	7.5	26
119	A review on graphene nanoribbons for advanced biomedical applications. <i>Carbon Letters</i> , 2020 , 30, 465-475		22
118	Nanotherapeutic silibinin: An insight of phytomedicine in healthcare reformation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 21, 102057	6	22
117	Physiological and Therapeutic Roles of Neuropeptide Y on Biological Functions. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1237, 37-47	3.6	22
116	Systematic approaches for biodiagnostics using exhaled air. <i>Journal of Controlled Release</i> , 2017 , 268, 282-295	11.7	21
115	Formulation and comparative characterization of chitosan, gelatin, and chitosan-gelatin-coated liposomes of CPT-11-HCl. <i>Drug Development and Industrial Pharmacy</i> , 2009 , 35, 612-8	3.6	21
114	Targeting pulmonary tuberculosis using nanocarrier-based dry powder inhalation: current status and futuristic need. <i>Journal of Drug Targeting</i> , 2019 , 27, 12-27	5.4	21

113	Lipid- and polymer-based plexes as therapeutic carriers for bioactive molecules. <i>International Journal of Pharmaceutics</i> , 2019 , 558, 250-260	6.5	20
112	Micro to nanoneedles: a trend of modernized transepidermal drug delivery system. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 19-25	6.1	18
111	Nanostructured cochleates: a multi-layered platform for cellular transportation of therapeutics. <i>Drug Development and Industrial Pharmacy</i> , 2019 , 45, 869-881	3.6	17
110	Glucose oxidase-based biosensor for glucose detection from biological fluids. <i>Sensor Review</i> , 2020 , 40, 497-511	1.4	16
109	Formulation and comparative characterization of nanoparticles of curcumin using natural, synthetic and semi-synthetic polymers for wound healing. <i>Life Sciences</i> , 2020 , 253, 117588	6.8	16
108	Cytotherapy using stromal cells: Current and advance multi-treatment approaches. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 97, 38-44	7.5	16
107	A technology roadmap of smart biosensors from conventional glucose monitoring systems. <i>Therapeutic Delivery</i> , 2017 , 8, 411-423	3.8	15
106	Heat Shock Proteins and their Protective Roles in Stem Cell Biology. <i>Stem Cell Reviews and Reports</i> , 2019 , 15, 637-651	7.3	15
105	Role of Solid-Gas Interface of Nanobubbles for Therapeutic Applications. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2018 , 35, 469-494	2.8	15
104	Physicochemical Investigation of Engineered Nanosuspensions Containing Model Drug, Lansoprazole. <i>Journal of Dispersion Science and Technology</i> , 2016 , 37, 504-511	1.5	14
103	3D Printed Bioconstructs: Regenerative Modulation for Genetic Expression. <i>Stem Cell Reviews and Reports</i> , 2021 , 17, 1239-1250	7.3	13
102	Role of Liposomes-Based Stem Cell for Multimodal Cancer Therapy. <i>Stem Cell Reviews and Reports</i> , 2020 , 16, 103-117	7.3	12
101	Potential of carbohydrate-conjugated graphene assemblies in biomedical applications. <i>Carbohydrate Polymers</i> , 2021 , 255, 117385	10.3	12
100	A combinatorial approach of inclusion complexation and dendrimer synthesization for effective targeting EGFR-TK. <i>Materials Science and Engineering C</i> , 2017 , 76, 959-965	8.3	11
99	2 Factorial design-based biocompatible microneedle arrays containing artemether co-loaded with lumefantrine nanoparticles for transepidermal delivery. <i>Biomedical Microdevices</i> , 2020 , 22, 19	3.7	11
98	siRNA: an alternative treatment for diabetes and associated conditions. <i>Journal of Drug Targeting</i> , 2019 , 27, 174-182	5.4	11
97	Drug-Free Cyclodextrin-Based Nanosponges for Antimicrobial Activity. <i>Journal of Pharmaceutical Innovation</i> , 2021 , 16, 258-268	1.8	11
96	CDI cross-linked Cyclodextrin nanosponges of paliperidone: synthesis and physicochemical characterization. <i>Journal of Materials Science: Materials in Medicine</i> , 2019 , 30, 74	4.5	10

95	Transepidermal microneedles for co-administration of folic acid with methotrexate in the treatment of rheumatoid arthritis. <i>Biomedical Physics and Engineering Express</i> , 2019 , 5, 025023	1.5	10
94	Toluene diisocyanate cross-linked Cyclodextrin nanosponges as a pH-sensitive carrier for naproxen. <i>Materials Research Express</i> , 2018 , 5, 075008	1.7	10
93	Color changing sensors: A multimodal system for integrated screening. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 121, 115687	14.6	10
92	Drug repurposing: new strategies for addressing COVID-19 outbreak. <i>Expert Review of Anti-Infective Therapy</i> , 2021 , 19, 689-706	5.5	10
91	Strategic consideration for effective chemotherapeutic transportation via transpapillary route in breast cancer. <i>International Journal of Pharmaceutics</i> , 2020 , 586, 119563	6.5	9
90	Monodispersed metal-based dendrimeric nanoclusters for potentiation of anti-tuberculosis action. <i>Journal of Molecular Liquids</i> , 2020 , 304, 112731	6	9
89	Recent trends and advances in microbe-based drug delivery systems. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2019 , 27, 799-809	3.9	9
88	Dual drug delivery of cyclodextrin cross-linked artemether and lumefantrine nanosponges for synergistic action using 23 full factorial designs. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 602, 125049	5.1	8
87	Potential of Sonophoresis as a Skin Penetration Technique in the Treatment of Rheumatoid Arthritis with Transdermal Patch. <i>AAPS PharmSciTech</i> , 2020 , 21, 180	3.9	8
86	Pharmacotherapeutic approaches for transportation of anticancer agents via skin. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, S423-S433	6.1	8
85	Strategic conceptualization and potential of self-healing polymers in biomedical field. <i>Materials Science and Engineering C</i> , 2021 , 125, 112099	8.3	8
84	Evaluation of Nanocarrier-Based Dry Powder Formulations for Inhalation with Special Reference to Anti-Tuberculosis Drugs. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2019 , 36, 239-276	2.8	7
83	Engineering of Nanospheres Dispersed Microneedle System for Antihypertensive Action. <i>Current Drug Delivery</i> , 2020 , 17, 776-786	3.2	7
82	A Comprehensive Patent Review on Cyclodextrin Cross-linked Nanosponges for Multiple Applications. <i>Recent Patents on Nanotechnology</i> , 2020 , 14, 75-89	1.2	7
81	Polymeric nanodroplets: an emerging trend in gaseous delivery system. <i>Journal of Drug Targeting</i> , 2019 , 27, 1035-1045	5.4	7
80	Combined vaccines for prophylaxis of infectious conditions. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019 , 47, 696-705	6.1	6
79	Advanced multimodal diagnostic approaches for detection of lung cancer. <i>Expert Review of Molecular Diagnostics</i> , 2019 , 19, 409-417	3.8	6
78	Layer-by-layer technique for enhancing physicochemical properties of actives. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 56, 101519	4.5	6

77	Transplantation and Alternatives to Treat Autoimmune Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1089, 59-72	3.6	6
76	Silver-doped titanium dioxide nanoparticles encapsulated in chitosan/PVA film for synergistic antimicrobial activity. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018 , 67, 1080-1086	3	6
75	Non-invasive Biodiversified Sensors: A Modernized Screening Technology for Cancer. <i>Current Pharmaceutical Design</i> , 2019 , 25, 4108-4120	3.3	6
74	Carbohydrate-based magnetic nanocomposites for effective cancer treatment. <i>International Journal of Biological Macromolecules</i> , 2021 , 175, 281-293	7.9	6
73	Herbal nanotherapy: A new paradigm over conventional obesity treatment. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 61, 102291	4.5	6
72	Graphene nanoribbons: A state-of-the-art in health care. <i>International Journal of Pharmaceutics</i> , 2021 , 595, 120269	6.5	6
71	Strategies for the delivery of antidiabetic drugs via intranasal route. <i>International Journal of Pharmaceutics</i> , 2021 , 608, 121068	6.5	6
70	Cyclodextrins-modified metallic nanoparticles for effective cancer therapy. <i>Journal of Controlled Release</i> , 2021 , 339, 41-50	11.7	6
69	Engineering of microcomplex of artemether and lumefantrine for effective drug treatment in malaria. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 1597-1604	6.1	5
68	Nanostructured polymer-based cochleates for effective transportation of insulin. <i>Journal of Molecular Liquids</i> , 2020 , 311, 113352	6	5
67	Nanonutraceuticals: A way towards modern therapeutics in healthcare. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 58, 101838	4.5	5
66	Biointerface: a nano-modulated way for biological transportation. <i>Journal of Drug Targeting</i> , 2020 , 28, 456-467	5.4	5
65	Nanoconjugates-Based Stem Cell Therapy for the Management of COVID-19. <i>Stem Cell Reviews and Reports</i> , 2021 , 17, 231-240	7.3	5
64	Role of lipid nanocarriers for enhancing oral absorption and bioavailability of insulin and GLP-1 receptor agonists. <i>Journal of Drug Targeting</i> , 2021 , 29, 834-847	5.4	5
63	Tailoring of P-glycoprotein for effective transportation of actives across blood-brain-barrier. <i>Journal of Controlled Release</i> , 2021 , 335, 398-407	11.7	5
62	Advances in Stem Cell Therapy for Brain Diseases via the Intranasal Route. <i>Current Pharmaceutical Biotechnology</i> , 2021 , 22, 1466-1481	2.6	5
61	Bio-inspired nano-engineered strip for semiquantitative FeNO analysis. <i>Journal of Breath Research</i> , 2019 , 13, 046002	3.1	4
60	Modulation of serratiopeptidase transdermal patch by lipid-based transfersomes. <i>Journal of Adhesion Science and Technology</i> , 2015 , 29, 2622-2633	2	4

59	Strategic Aspects of NPY-Based Monoclonal Antibodies for Diagnosis and Treatment of Breast Cancer. <i>Current Protein and Peptide Science</i> , 2020 , 21, 1097-1102	2.8	4
58	Microneedle system: a modulated approach for penetration enhancement. <i>Drug Development and Industrial Pharmacy</i> , 2021 , 1-10	3.6	4
57	Enzyme bioconjugated PAMAM dendrimers for estimation of glucose in saliva. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021 , 70, 469-475	3	4
56	Hybrid Nanosponges 2019 , 173-192		3
55	3D Printed Personalized Medicine for Cancer: Applications for Betterment of Diagnosis, Prognosis and Treatment. <i>AAPS PharmSciTech</i> , 2021 , 23, 8	3.9	3
54	Disulfide Bond-Responsive Nanotherapeutic Systems for the Effective Payload in Cancer Therapy. <i>Current Pharmaceutical Design</i> , 2020 , 26, 5353-5361	3.3	3
53	A comparative outlook on pharmacokinetics and antimalarial studies of artemether and lumefantrine-loaded microneedle patches and a dry suspension containing nanosponges. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 60, 102055	4.5	3
52	Retinoic acid core-shell lipoplexes for the treatment of colorectal cancer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 609, 125671	5.1	3
51	Design and optimization of cyclodextrin-based nanosponges of antimalarials using central composite design for dry suspension. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2021 , 99, 169-183	1.7	3
50	Dendrimeric biosensor for detection of E. coli O157:H7 in diet. <i>Biointerface Research in Applied Chemistry</i> , 2020 , 10, 5128-5131	2.8	2
49	Current Trend and Pro-survival Approaches for Augmenting Stem Cell Viability. <i>Current Pharmaceutical Biotechnology</i> , 2020 , 21, 1154-1164	2.6	2
48	23 Full factorial design for optimization of stable amorphous host-guest-based mirabegron complex for extended-release action. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2020 , 96, 111-123	1.7	2
47	Integration of Internet of Things with Quantum Dots: A State-of-the-art of Medicine. <i>Current Pharmaceutical Design</i> , 2021 , 27, 2068-2075	3.3	2
46	Enhancement of immunopotentiality using tetanus toxoid-based nanoparticulate dissolvable microneedles. <i>Biomedical Microdevices</i> , 2021 , 23, 32	3.7	2
45	Magnetic-core-based silibinin nanopolymeric carriers for the treatment of renal cell cancer. <i>Life Sciences</i> , 2021 , 275, 119377	6.8	2
44	Strategic advancements and multimodal applications of biofilm therapy. <i>Expert Opinion on Biological Therapy</i> , 2021 , 21, 395-412	5.4	2
43	Nanotheranostics in epilepsy: A perspective for multimodal diagnosis and strategic management. <i>Nano Select</i> , 2021 , 2, 1277-1290	3.1	2
42	Cyclodextrin-based gefitinib nanobubbles for synergistic apoptosis in lung cancer. <i>Materials Technology</i> , 1-12	2.1	2

41	Quercetin-loaded platelets as a potential targeted therapy for glioblastoma multiforme cell line U373-MG. <i>Biotechnology Journal</i> , 2021 , 16, e2100271	5.6	2
40	Monodispersed cyclodextrin-based nanocomplex of neuropeptide Y for targeting MCF-7 cells using a central composite design. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 65, 102692	4.5	2
39	Monodispersed magnetographene quantum dot nanocomposites for delivery of silibinin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 628, 127349	5.1	2
38	Microneedles in diagnostic, treatment and theranostics: An advancement in minimally-invasive delivery system. <i>Biomedical Microdevices</i> , 2021 , 24, 4	3.7	2
37	Tab-in-tab formulation of ramipril and nifedipine for effective anti-hypertensive activity. <i>Journal of Pharmacy Research</i> , 2013 , 6, 656-662		1
36	Modulation of olfactory area for effective transportation of actives in CNS disorders. <i>Journal of Drug Delivery Science and Technology</i> , 2022 , 68, 103091	4.5	1
35	Potential of transpapillary route for artesunate-loaded microneedles against breast cancer cell line. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 640, 128431	5.1	1
34	Role of lipopolysaccharides in potential applications of nanocarrier systems. <i>Current Pharmaceutical Design</i> , 2021 ,	3.3	1
33	Potential of Mirabegron and its Extended-release Formulations for the Treatment of Overactive Bladder Syndrome. <i>Current Drug Metabolism</i> , 2020 , 21, 79-88	3.5	1
32	CDI Cross-linked Nanosponges of Citronella Oil for Controlled Mosquito-repellent Activity. <i>Current Nanomaterials</i> , 2020 , 5, 214-223	1.3	1
31	Potential of Chimeric Antigen Receptor T-Cells in Cancer Therapy. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1326, 39-46	3.6	1
30	Potential of Tribological Properties of Metal Nanomaterials in Biomedical Applications. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1237, 121-134	3.6	1
29	Strategies-Based Intrathecal Targeted Drug Delivery System for Effective Therapy, Modeling, and Controlled Release Action 2021 , 213-225		1
28	Current Status and Emerging Trend of Nanoshuttle in Biological Applications. <i>Current Pharmaceutical Design</i> , 2021 , 27, 105-114	3.3	1
27	Adsorption of cisplatin on oxidized graphene nanoribbons for improving the uptake in non-small cell lung carcinoma cell line A549. <i>Current Drug Delivery</i> , 2021 ,	3.2	1
26	Ionic liquids: a state of the art for biomedical applications. <i>Ionics</i> , 2021 , 27, 3715-3728	2.7	1
25	L-Proline adsorbed oxygen-loaded nanobubbles in-situ gel for wound healing. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 647, 129028	5.1	1
24	Nose-to-brain lipid nanocarriers: An active transportation across BBB in migraine management.. <i>Chemistry and Physics of Lipids</i> , 2022 , 105177	3.7	0

23	Block copolymers in Alzheimer's disease therapy: A perceptible to revolutionize biomaterials. <i>Journal of Controlled Release</i> , 2021 , 340, 271-281	11.7	o
22	Nanobulges: A Duplex Nanosystem for Multidimensional Applications. <i>Current Nanoscience</i> , 2020 , 16, 668-675	1.4	o
21	Bioconjugated nanoflower for estimation of glucose from saliva using nanozymes. <i>Materials Technology</i> , 1-7	2.1	o
20	Synergistic Effect of Nitric Oxide for Wound Healing Using Etherification of Cotton. <i>Journal of Pharmaceutical Innovation</i> , 1	1.8	o
19	A Review on the Role of Artificial Intelligence in Stem Cell Therapy: An Initiative for Modern Medicines. <i>Current Pharmaceutical Biotechnology</i> , 2021 , 22, 1156-1163	2.6	o
18	Potential applications of folded and unfolded DNA nanocarriers in medicine. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 57, 101729	4.5	o
17	Biofluidic material-based carriers: Potential systems for crossing cellular barriers. <i>Journal of Controlled Release</i> , 2021 , 329, 858-870	11.7	o
16	Experimental aspects of NPY-decorated gold nanoclusters using randomized hybrid design against breast cancer cell line. <i>Biotechnology Journal</i> , 2021 , 16, e2100319	5.6	o
15	Design of targeted delivery of DNA microplexes on insulin receptors for alveolar cancer. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 65, 102754	4.5	o
14	Phytotoxic Impact of Nanomaterials for Nanosafety. <i>Environmental Chemistry for A Sustainable World</i> , 2021 , 119-132	0.8	o
13	Multi-strategic approaches for enhancing active transportation using self-emulsifying drug delivery system.. <i>Journal of Drug Targeting</i> , 2022 , 1-24	5.4	o
12	Green synthesis of adsorbent nanoflowers for efficient removal of toxins. <i>Chemical Papers</i> , 2022 , 76, 2209	1.9	
11	Polymeric-Ceramic Nanocomposites Toxicity 2020 , 1-20		
10	Stabilization of lipid vesicles: Upcoming strategic insights for product development. <i>Journal of Molecular Liquids</i> , 2022 , 348, 118430	6	
9	Metallic Nanopopcorns: A New Multimodal Approach for Theranostics. <i>Current Nanoscience</i> , 2021 , 17, 670-678	1.4	
8	Stem Cell Progression for Transplantation 2021 , 1-12		
7	Nanotoxicological Approaches Towards Nanosafety. <i>Environmental Chemistry for A Sustainable World</i> , 2021 , 195-224	0.8	
6	Stimuli-responsive PEGylated nanoparticulate systems for the treatment of cervical cancer. <i>Materials Technology</i> , 1-9	2.1	

- 5 Polyplexes of retinoic acid: an in vitro study of complex nanostructures against colorectal cancer cell line (HCT-15). *Journal of Materials Science: Materials in Medicine*, **2021**, 32, 122 4.5
- 4 Modulated approaches for strategic transportation of proteins and peptides via ocular route. *Journal of Drug Delivery Science and Technology*, **2021**, 66, 102835 4.5
- 3 Polymeric-Ceramic Nanocomposites Toxicity **2021**, 723-742
- 2 Stem Cell Progression for Transplantation **2022**, 1097-1108
- 1 Drug-loaded nanoclusters for brain targeting **2022**, 679-694