Prashant Kesharwani, Ramanujan Fellow

List of Publications by Citations

259 papers	9,366 citations	53 h-index	88 g-index
278 ext. papers	11,619 ext. citations	6.1 avg, IF	7.02 L-index

#	Paper	IF	Citations
259	Dendrimer as nanocarrier for drug delivery. *Progress in Polymer Science*, **2014**, 39, 268-307	29.6	729
258	Dendrimer toxicity: Let's meet the challenge. *International Journal of Pharmaceutics*, **2010**, 394, 122-42	6.5	537
257	A review of nanocarriers for the delivery of small interfering RNA. *Biomaterials*, **2012**, 33, 7138-50	15.6	275
256	Recent advances in dendrimer-based nanovectors for tumor-targeted drug and gene delivery. *Drug Discovery Today*, **2015**, 20, 536-47	8.8	256
255	PEGylated PAMAM dendrimers: Enhancing efficacy and mitigating toxicity for effective anticancer drug and gene delivery. *Acta Biomaterialia*, **2016**, 43, 14-29	10.8	226
254	A review of glycosylated carriers for drug delivery. *Biomaterials*, **2012**, 33, 4166-86	15.6	207
253	PAMAM dendrimers as promising nanocarriers for RNAi therapeutics. *Materials Today*, **2015**, 18, 565-572	21.8	176
252	A comprehensive review on polyelectrolyte complexes. *Drug Discovery Today*, **2017**, 22, 1697-1706	8.8	169
251	Mucoadhesion: A promising approach in drug delivery system. *Reactive and Functional Polymers*, **2016**, 100, 151-172	4.6	162
250	An update on natural compounds in the remedy of diabetes mellitus: A systematic review. *Journal of Traditional and Complementary Medicine*, **2018**, 8, 361-376	4.6	157
249	Dendrimer nanoarchitectures for cancer diagnosis and anticancer drug delivery. *Drug Discovery Today*, **2017**, 22, 314-326	8.8	141
248	An overview of application of silver nanoparticles for biomaterials in dentistry. *Materials Science and Engineering C*, **2018**, 91, 881-898	8.3	136
247	Cancer targeting potential of some ligand-anchored poly(propylene imine) dendrimers: a comparison. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2011**, 7, 295-304	6	133
246	Hyaluronic acid-conjugated polyamidoamine dendrimers for targeted delivery of 3,4-difluorobenzylidene curcumin to CD44 overexpressing pancreatic cancer cells. *Colloids and Surfaces B: Biointerfaces*, **2015**, 136, 413-23	6	130
245	Recent advances in hyaluronic acid-decorated nanocarriers for targeted cancer therapy. *Drug Discovery Today*, **2017**, 22, 665-680	8.8	123
244	Recent advances in the design, development, and targeting mechanisms of polymeric micelles for delivery of siRNA in cancer therapy. *Progress in Polymer Science*, **2017**, 64, 154-181	29.6	117
243	Augmented delivery of gemcitabine in lung cancer cells exploring mannose anchored solid lipid nanoparticles. *Journal of Colloid and Interface Science*, **2016**, 481, 107-16	9.3	112

242	Galactose engineered solid lipid nanoparticles for targeted delivery of doxorubicin. *Colloids and Surfaces B: Biointerfaces*, **2015**, 134, 47-58	6	111
241	Generation dependent cancer targeting potential of poly(propyleneimine) dendrimer. *Biomaterials*, **2014**, 35, 5539-48	15.6	105
240	Polyvalent Folate-Dendrimer-Coated Iron Oxide Theranostic Nanoparticles for Simultaneous Magnetic Resonance Imaging and Precise Cancer Cell Targeting. *Biomacromolecules*, **2017**, 18, 1197-1209	6.9	103
239	Hyaluronic Acid Engineered Nanomicelles Loaded with 3,4-Difluorobenzylidene Curcumin for Targeted Killing of CD44+ Stem-Like Pancreatic Cancer Cells. *Biomacromolecules*, **2015**, 16, 3042-53	6.9	102
238	Carbon dots: emerging theranostic nanoarchitectures. *Drug Discovery Today*, **2018**, 23, 1219-1232	8.8	100
237	The use of nanoscaffolds and dendrimers in tissue engineering. *Drug Discovery Today*, **2017**, 22, 652-664	8.8	90
236	Dendrimer-entrapped gold nanoparticles as promising nanocarriers for anticancer therapeutics and imaging. *Progress in Materials Science*, **2019**, 103, 484-508	42.2	87
235	Generation dependent safety and efficacy of folic acid conjugated dendrimer based anticancer drug formulations. *Pharmaceutical Research*, **2015**, 32, 1438-50	4.5	87
234	Carbon nanotube scaffolds as emerging nanoplatform for myocardial tissue regeneration: A review of recent developments and therapeutic implications. *Biomedicine and Pharmacotherapy*, **2018**, 104, 496-508	7.5	86
233	A review on comparative study of PPI and PAMAM dendrimers. *Journal of Nanoparticle Research*, **2016**, 18, 1	2.3	85
232	Transferrin receptors-targeting nanocarriers for efficient targeted delivery and transcytosis of drugs into the brain tumors: a review of recent advancements and emerging trends. *Drug Delivery and Translational Research*, **2018**, 8, 1545-1563	6.2	82
231	Nanotechnology based approaches for anti-diabetic drugs delivery. *Diabetes Research and Clinical Practice*, **2018**, 136, 52-77	7.4	80
230	Recent advances in TPGS-based nanoparticles of docetaxel for improved chemotherapy. *International Journal of Pharmaceutics*, **2017**, 529, 506-522	6.5	79
229	Recent Update on Nanoemulgel as Topical Drug Delivery System. *Journal of Pharmaceutical Sciences*, **2017**, 106, 1736-1751	3.9	78
228	Dendrimer nanohybrid carrier systems: an expanding horizon for targeted drug and gene delivery. *Drug Discovery Today*, **2018**, 23, 300-314	8.8	73
227	Transferrin functionalized chitosan-PEG nanoparticles for targeted delivery of paclitaxel to cancer cells. *Colloids and Surfaces B: Biointerfaces*, **2016**, 148, 363-370	6	71
226	Parenterally administrable nano-micelles of 3,4-difluorobenzylidene curcumin for treating pancreatic cancer. *Colloids and Surfaces B: Biointerfaces*, **2015**, 132, 138-45	6	71
225	Impact of pegylation on biopharmaceutical properties of dendrimers. *Polymer*, **2015**, 59, 67-92	3.9	69

224	Dendrimer technologies for brain tumor. *Drug Discovery Today*, **2016**, 21, 766-78	8.8	69
223	Lycopene loaded whey protein isolate nanoparticles: An innovative endeavor for enhanced bioavailability of lycopene and anti-cancer activity. *International Journal of Pharmaceutics*, **2018**, 546, 97-105	6.5	67
222	Folic acid conjugated polymeric micelles loaded with a curcumin difluorinated analog for targeting cervical and ovarian cancers. *Colloids and Surfaces B: Biointerfaces*, **2017**, 157, 490-502	6	66
221	Paclitaxel loaded vitamin E-TPGS nanoparticles for cancer therapy. *Materials Science and Engineering C*, **2018**, 91, 868-880	8.3	66
220	Nano-carrier enabled drug delivery systems for nose to brain targeting for the treatment of neurodegenerative disorders. *Journal of Drug Delivery Science and Technology*, **2018**, 43, 295-310	4.5	65
219	The use of nanoparticles as biomaterials in dentistry. *Drug Discovery Today*, **2019**, 24, 85-98	8.8	64
218	Ligand anchored poly(propyleneimine) dendrimers for brain targeting: Comparative in vitro and in vivo assessment. *Journal of Colloid and Interface Science*, **2016**, 482, 142-150	9.3	63
217	Doxorubicin and siRNA Codelivery via Chitosan-Coated pH-Responsive Mixed Micellar Polyplexes for Enhanced Cancer Therapy in Multidrug-Resistant Tumors. *Molecular Pharmaceutics*, **2016**, 13, 4179-4190	5.6	63
216	Moxifloxacin loaded gelatin nanoparticles for ocular delivery: Formulation and in-vitro, in-vivo evaluation. *Journal of Colloid and Interface Science*, **2016**, 483, 132-138	9.3	62
215	Dendrimer-mediated approaches for the treatment of brain tumor. *Journal of Biomaterials Science, Polymer Edition*, **2016**, 27, 557-80	3.5	61
214	Carbon nanotube exploration in cancer cell lines. *Drug Discovery Today*, **2012**, 17, 1023-30	8.8	60
213	The effect of polyethylene glycol spacer chain length on the tumor-targeting potential of folate-modified PPI dendrimers. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	60
212	In Vivo Antitumor Activity of Folate-Conjugated Cholic Acid-Polyethylenimine Micelles for the Codelivery of Doxorubicin and siRNA to Colorectal Adenocarcinomas. *Molecular Pharmaceutics*, **2015**, 12, 4247-58	5.6	59
211	Formulation development and in vitro-in vivo assessment of the fourth-generation PPI dendrimer as a cancer-targeting vector. *Nanomedicine*, **2014**, 9, 2291-308	5.6	59
210	RNAi-combined nano-chemotherapeutics to tackle resistant tumors. *Drug Discovery Today*, **2016**, 21, 1761-1774	8.8	59
209	Stimuli-responsive In situ gelling system for nose-to-brain drug delivery. *Journal of Controlled Release*, **2020**, 327, 235-265	11.7	57
208	Lyophilized mucoadhesive-dendrimer enclosed matrix tablet for extended oral delivery of albendazole. *European Journal of Pharmaceutics and Biopharmaceutics*, **2016**, 102, 202-13	5.7	56
207	PLGA Nanoparticles and Their Versatile Role in Anticancer Drug Delivery. *Critical Reviews in Therapeutic Drug Carrier Systems*, **2016**, 33, 159-93	2.8	56

206	Rising horizon in circumventing multidrug resistance in chemotherapy with nanotechnology. *Materials Science and Engineering C*, **2019**, 101, 596-613	8.3	53
205	Evaluation of dendrimer safety and efficacy through cell line studies. *Current Drug Targets*, **2011**, 12, 1478-97	3	52
204	Albumin Nano-Encapsulation of Piceatannol Enhances Its Anticancer Potential in Colon Cancer Via Downregulation of Nuclear p65 and HIF-1*Cancers*, **2020**, 12,	6.6	52
203	Bilosomes in the context of oral immunization: development, challenges and opportunities. *Drug Discovery Today*, **2016**, 21, 888-99	8.8	52
202	Silver nanoparticles: Advanced and promising technology in diabetic wound therapy. *Materials Science and Engineering C*, **2020**, 112, 110925	8.3	52
201	Development and characterization of folate anchored Saquinavir entrapped PLGA nanoparticles for anti-tumor activity. *Drug Development and Industrial Pharmacy*, **2015**, 41, 1888-901	3.6	51
200	A synergistic approach of adapalene-loaded nanostructured lipid carriers, and vitamin C co-administration for treating acne. *Drug Development and Industrial Pharmacy*, **2016**, 42, 897-905	3.6	51
199	Immune checkpoint inhibitors: a promising anticancer therapy. *Drug Discovery Today*, **2020**, 25, 223-229	8.8	51
198	Recent Advances in Oncological Submissions of Dendrimer. *Current Pharmaceutical Design*, **2017**, 23, 3084-3098	3.3	49
197	Strategizing biodegradable polymeric nanoparticles to cross the biological barriers for cancer targeting. *International Journal of Pharmaceutics*, **2019**, 565, 509-522	6.5	48
196	Solubility enhancement and targeted delivery of a potent anticancer flavonoid analogue to cancer cells using ligand decorated dendrimer nano-architectures. *Journal of Colloid and Interface Science*, **2016**, 484, 33-43	9.3	48
195	Methotrexate and beta-carotene loaded-lipid polymer hybrid nanoparticles: a preclinical study for breast cancer. *Nanomedicine*, **2017**, 12, 1851-1872	5.6	48
194	Dendrimer entrapped microsponge gel of dithranol for effective topical treatment. *Heliyon*, **2019**, 5, e01343	3.6	47
193	Theranostic application of nanoemulsions in chemotherapy. *Drug Discovery Today*, **2020**, 25, 1174-1188	8.8	45
192	Synthesis and characterization of folate decorated albumin bio-conjugate nanoparticles loaded with a synthetic curcumin difluorinated analogue. *Journal of Colloid and Interface Science*, **2017**, 496, 290-299	9.3	43
191	Perspectives of Nanoemulsion Strategies in The Improvement of Oral, Parenteral and Transdermal Chemotherapy. *Current Pharmaceutical Biotechnology*, **2018**, 19, 276-292	2.6	42
190	Administration of antioxidants in cancer: debate of the decade. *Drug Discovery Today*, **2018**, 23, 763-770	8.8	40
189	Validating the anticancer potential of carbon nanotube-based therapeutics through cell line testing. *Drug Discovery Today*, **2015**, 20, 1049-60	8.8	40

188	Recent advances of gold nanoparticles as biomaterial in dentistry. *International Journal of Pharmaceutics*, **2020**, 586, 119596	6.5	37
187	PAMAM dendrimer as a talented multifunctional biomimetic nanocarrier for cancer diagnosis and therapy. *Colloids and Surfaces B: Biointerfaces*, **2021**, 204, 111837	6	37
186	One platform comparison of solubilization potential of dendrimer with some solubilizing agents. *Drug Development and Industrial Pharmacy*, **2015**, 41, 722-7	3.6	35
185	Cationic bovine serum albumin (CBA) conjugated poly lactic-co-glycolic acid (PLGA) nanoparticles for extended delivery of methotrexate into brain tumors. *RSC Advances*, **2016**, 6, 89040-89050	3.7	35
184	Lipid based nanocarriers system for topical delivery of photosensitizers. *Drug Discovery Today*, **2017** , 22, 1274-1283	8.8	34
183	Generation dependent hemolytic profile of folate engineered poly(propyleneimine) dendrimer. *Journal of Drug Delivery Science and Technology*, **2015**, 28, 1-6	4.5	34
182	Enhancing biopharmaceutical performance of an anticancer drug by long chain PUFA based self-nanoemulsifying lipidic nanomicellar systems. *European Journal of Pharmaceutics and Biopharmaceutics*, **2017**, 121, 42-60	5.7	33
181	Dendrimers as an Effective Nanocarrier in Cardiovascular Disease. *Current Pharmaceutical Design*, **2015**, 21, 4519-26	3.3	33
180	Targeting luteinizing hormone-releasing hormone: A potential therapeutics to treat gynecological and other cancers. *Journal of Controlled Release*, **2018**, 269, 277-301	11.7	31
179	Phytotherapeutic potential of natural herbal medicines for the treatment of mild-to-severe atopic dermatitis: A review of human clinical studies. *Biomedicine and Pharmacotherapy*, **2017**, 93, 596-608	7.5	30
178	Recent advances in targeted nanomedicine as promising antitumor therapeutics. *Drug Discovery Today*, **2020**, 25, 2227-2244	8.8	30
177	Recent update of toxicity aspects of nanoparticulate systems for drug delivery. *European Journal of Pharmaceutics and Biopharmaceutics*, **2021**, 161, 100-119	5.7	29
176	The potential of dendrimer in delivery of therapeutics for dentistry. *Heliyon*, **2019**, 5, e02544	3.6	29
175	Poly (propylene imine) dendrimer as an emerging polymeric nanocarrier for anticancer drug and gene delivery. *European Polymer Journal*, **2021**, 158, 110683	5.2	29
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169	Intranasal delivery of Naloxone-loaded solid lipid nanoparticles as a promising simple and non-invasive approach for the management of opioid overdose. *International Journal of Pharmaceutics*, **2021**, 599, 120428	6.5	25
168	Fabrication and characterization of nifedipine loaded Cyclodextrin nanosponges: An in Vitro and in Vivo evaluation. *Journal of Drug Delivery Science and Technology*, **2017**, 41, 344-350	4.5	24
167	Folate Decorated Nanomicelles Loaded with a Potent Curcumin Analogue for Targeting Retinoblastoma. *Pharmaceutics*, **2017**, 9,	6.4	24
166	The emerging role of immune checkpoint inhibitors in the treatment of triple-negative breast cancer. *Drug Discovery Today*, **2021**, 26, 1721-1727	8.8	24
165	Recent advances in galactose-engineered nanocarriers for the site-specific delivery of siRNA and anticancer drugs. *Drug Discovery Today*, **2018**, 23, 960-973	8.8	24
164	Biomedical Applications and Toxicological Aspects of Functionalized Carbon Nanotubes. *Critical Reviews in Therapeutic Drug Carrier Systems*, **2018**, 35, 293-330	2.8	24
163	Formulation development and evaluation of rotigotine mucoadhesive nanoemulsion for intranasal delivery. *Journal of Drug Delivery Science and Technology*, **2019**, 54, 101301	4.5	23
162	Transdermal delivery of cyclodextrin-solubilized curcumin. *Drug Delivery and Translational Research*, **2013**, 3, 272-85	6.2	23
161	In Vitro and In Vivo Skin Distribution of 5 Reductase Inhibitors Loaded Into Liquid Crystalline Nanoparticles. *Journal of Pharmaceutical Sciences*, **2017**, 106, 3385-3394	3.9	23
160	Intranasal Drug Delivery: A Non-Invasive Approach for the Better Delivery of Neurotherapeutics. *Pharmaceutical Nanotechnology*, **2017**, 5, 203-214	4	23
159	Recent advances in nanoparticles mediated photothermal therapy induced tumor regression. *International Journal of Pharmaceutics*, **2021**, 606, 120848	6.5	23
158	An insight into aptamer engineered dendrimer for cancer therapy. *European Polymer Journal*, **2021**, 159, 110746	5.2	23
157	Effect of surface capping on targeting potential of folate decorated poly (propylene imine) dendrimers. *Drug Development and Industrial Pharmacy*, **2015**, 41, 1393-9	3.6	22
156	Nanoneuromedicine for management of neurodegenerative disorder. *Journal of Drug Delivery Science and Technology*, **2019**, 49, 477-490	4.5	22
155	Entrapment of drug-sorbate complex in submicron emulsion: A potential approach to improve antimicrobial activity in bacterial corneal infection. *Journal of Drug Delivery Science and Technology*, **2019**, 49, 455-462	4.5	21
154	RGD engineered dendrimer nanotherapeutic as an emerging targeted approach in cancer therapy. *Journal of Controlled Release*, **2021**, 340, 221-242	11.7	20
153	Formulation and Development of Transferrin Targeted Solid Lipid Nanoparticles for Breast Cancer Therapy. *Frontiers in Pharmacology*, **2020**, 11, 614290	5.6	20

152	Carbon nanotubes as an emerging nanocarrier for the delivery of doxorubicin for improved chemotherapy. *Colloids and Surfaces B: Biointerfaces*, **2021**, 208, 112044	6	20
151	Pyramid-Shaped PEG-PCL-PEG Polymeric-Based Model Systems for Site-Specific Drug Delivery of Vancomycin with Enhance Antibacterial Efficacy. *ACS Omega*, **2020**, 5, 11935-11945	3.9	19
150	Polymeric Micelles for Drug Targeting and Delivery **2017**, 167-202		19
149	Nanotechnology-based siRNA delivery strategies for treatment of triple negative breast cancer. *International Journal of Pharmaceutics*, **2021**, 605, 120835	6.5	19
148	Role of immune checkpoint inhibitors in the revolutionization of advanced melanoma care. *International Immunopharmacology*, **2020**, 83, 106417	5.8	18
147	Stomach specific polymeric low density microballoons as a vector for extended delivery of rabeprazole and amoxicillin for treatment of peptic ulcer. *Colloids and Surfaces B: Biointerfaces*, **2016**, 141, 268-277	6	18
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143	Advanced nanomedicine approaches applied for treatment of skin carcinoma. *Journal of Controlled Release*, **2021**, 337, 589-611	11.7	17
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136	Nose to Brain Delivery of Nanocarriers Towards Attenuation of Demented Condition. *Current Pharmaceutical Design*, **2020**, 26, 2233-2246	3.3	14
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131	Nano-constructed Carriers Loaded With Antioxidant: Boon For Cardiovascular System. *Current Pharmaceutical Design*, **2015**, 21, 4456-64	3.3	13
130	Evolving new-age strategies to transport therapeutics across the blood-brain-barrier. *International Journal of Pharmaceutics*, **2021**, 599, 120351	6.5	13
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128	Development, in-vitro and in-vivo characterization of gelatin nanoparticles for delivery of an anti-inflammatory drug. *Journal of Drug Delivery Science and Technology*, **2016**, 36, 55-61	4.5	13
127	Dendrimer-Based Nanocarriers in Lung Cancer Therapy **2019**, 161-192		13
126	Formulation and evaluation of gastro-retentive floating bilayer tablet for the treatment of hypertension. *Heliyon*, **2020**, 6, e05459	3.6	12
125	Clathrin-mediated endocytic uptake of PUFA enriched self-nanoemulsifying lipidic systems (SNELS) of an anticancer drug against triple negative cancer and DMBA induced preclinical tumor model. *Materials Science and Engineering C*, **2018**, 91, 645-658	8.3	11
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123	Nucleic Acid Aptamers as a Potential Nucleus Targeted Drug Delivery System. *Current Drug Delivery* , **2020**, 17, 101-111	3.2	11
122	Formulation development, and evaluation of chitosan engineered nanoparticles for ocular delivery of insulin.. *RSC Advances*, **2020**, 10, 43629-43639	3.7	11
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117	Polymeric Nanocarriers: A New Horizon for the Effective Management of Breast Cancer. *Current Pharmaceutical Design*, **2017**, 23, 5315-5326	3.3	10

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109	Dendrimers as Effective Carriers for the Treatment of Brain Tumor **2018**, 267-305		9
108	Macrophage targeted amphotericin B nanodelivery systems against visceral leishmaniasis. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2020**, 258, 114571	3.1	9
107	Overexpressed Receptors and Proteins in Lung Cancer **2019**, 39-75		9
106	Paclitaxel-loaded TPGS enriched self-emulsifying carrier causes apoptosis by modulating survivin expression and inhibits tumour growth in syngeneic mammary tumours. *Artificial Cells, Nanomedicine and Biotechnology*, **2018**, 46, S344-S358	6.1	9
105	Human Serum Albumin as Multifunctional Nanocarrier for Cancer Therapy. *Journal of Pharmaceutical Sciences*, **2021**, 110, 3111-3117	3.9	9
104	Nano-enabled strategies to combat methicillin-resistant Staphylococcus aureus. *Materials Science and Engineering C*, **2021**, 129, 112384	8.3	9
103	Polymeric micelle-based drug delivery systems for tuberculosis treatment **2020**, 175-191		8
102	Chitosan: A versatile bio-platform for breast cancer theranostics.. *Journal of Controlled Release*, **2021**, 341, 733-752	11.7	8
101	Formulation Development, In Vitro and In Vivo Evaluation of Topical Hydrogel Formulation of Econazole Nitrate-Loaded β-Cyclodextrin Nanosponges. *Journal of Pharmaceutical Sciences*, **2021**, 110, 3702-3714	3.9	8
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98	Advanced drug delivery systems containing herbal components for wound healing.. *International Journal of Pharmaceutics*, **2022**, 121617	6.5	8
97	Emerging trends of nanotechnology in advanced cosmetics.. *Colloids and Surfaces B: Biointerfaces*, **2022**, 214, 112440	6	8
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