

Prashant K Deshmukh

List of Publications by Year in descending order

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62
papers

1,625
citations

304368

22
h-index

301761

39
g-index

62
all docs

62
docs citations

62
times ranked

2775
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmacokinetics of Drug-in-Polymer Matrix-Based Nanoparticulate Drug Delivery System. , 2022, , 159-186.		1
2	One- pot development of spray dried cationic proliposomal dry powder insufflation: Optimization, characterization and bio-interactions. Journal of Drug Delivery Science and Technology, 2021, 61, 102298.	1.4	3
3	Electrostatic deposition assisted preparation, characterization and evaluation of chrysin liposomes for breast cancer treatment. Drug Development and Industrial Pharmacy, 2021, 47, 809-819.	0.9	8
4	Recent advances in phytochemical-based Nano-formulation for drug-resistant Cancer. Medicine in Drug Discovery, 2021, 10, 100082.	2.3	40
5	Quality by design approach for the synthesis of graphene oxide nanosheets using full factorial design with enhanced delivery of Gefitinib nanocrystals. Materials Research Express, 2021, 8, 075602.	0.8	5
6	Development of cross-linked collagen/pullulan ocular film for sustained delivery of Besifloxacin using novel spin-coating technique. Journal of Materials Research, 2021, 36, 3278.	1.2	0
7	Black Phosphorus as Multifaceted Advanced Material Nanoplatfoms for Potential Biomedical Applications. Nanomaterials, 2021, 11, 13.	1.9	33
8	Design and development of thiolated graphene oxide nanosheets for brain tumor targeting. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 611-621.	1.8	15
9	Fabrication and characterization of colon specific eudragit coated graphene oxide microsphere for sustained delivery of tramadol hydrochloride. Polymer-Plastics Technology and Materials, 2020, 59, 606-618.	0.6	0
10	Computational studies and biosensory applications of graphene-based nanomaterials: a state-of-the-art review. Nanotechnology, 2020, 31, 432001.	1.3	18
11	Recent Advancement in Bio-precursor derived graphene quantum dots: Synthesis, Characterization and Toxicological Perspective. Nanotechnology, 2020, 31, 292001.	1.3	36
12	Development of amine-functionalized superparamagnetic iron oxide nanoparticles anchored graphene nanosheets as a possible theranostic agent in cancer metastasis. Drug Delivery and Translational Research, 2020, 10, 862-877.	3.0	15
13	Heterogeneous surface architected metal-organic frameworks for cancer therapy, imaging, and biosensing: A state-of-the-art review. Coordination Chemistry Reviews, 2020, 409, 213212.	9.5	93
14	New Stimuli-Response Liquid Crystalline Polymer Architectures. Polymers and Polymeric Composites, 2020, , 479-492.	0.6	0
15	Antibody-Mediated Diagnosis of Biomolecules. , 2019, , 165-193.		1
16	Graphene-based nanocomposites for sensitivity enhancement of surface plasmon resonance sensor for biological and chemical sensing: A review. Biosensors and Bioelectronics, 2019, 139, 111324.	5.3	155
17	Development of graphene-drug nanoparticle based supramolecular self assembled pH sensitive hydrogel as potential carrier for targeting MDR tuberculosis. Materials Technology, 2019, 34, 324-335.	1.5	20
18	New Stimuli-Response Liquid Crystalline Polymer Architectures. , 2019, , 1-14.		0

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19	Eco-Friendly In Situ Fabrication of Reduced Graphene Oxide Gold Nanocomposites for Catalysis and Dye Degradation. Russian Journal of Physical Chemistry A, 2018, 92, 2750-2756.	0.1	6
20	Fabrication and <i>In vitro</i> drug release characteristics of magnetic nanocellulose fiber composites for efficient delivery of nystatin. Materials Research Express, 2018, 5, 116102.	0.8	11
21	Controlled synthesis of blue luminescent graphene quantum dots from carbonized citric acid: Assessment of methodology, stability, and fluorescence in an aqueous environment. Materials Chemistry and Physics, 2018, 220, 11-22.	2.0	43
22	Fabrication and characterization of shape memory polymers based bioabsorbable biomedical drug eluting stent. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 1740-1750.	1.9	16
23	Green fabrication of graphene-based silver nanocomposites using agro-waste for sensing of heavy metals. Research on Chemical Intermediates, 2017, 43, 3757-3773.	1.3	18
24	Impact of poly(ϵ -caprolactone) architecture on the thermomechanical and shape memory properties. Journal of Polymer Science Part A, 2017, 55, 3424-3433.	2.5	18
25	Optically Active Elastomers from Liquid Crystalline Comb Copolymers with Dual Physical and Chemical Cross-Links. Macromolecules, 2017, 50, 5929-5939.	2.2	22
26	Optimization of desolvation process for fabrication of lactoferrin nanoparticles using quality by design approach. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 1101-1114.	1.9	13
27	Fabrication and characterization of graphene-based hybrid nanocomposite: assessment of antibacterial potential and biomedical application. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 1496-1508.	1.9	9
28	Development of surface engineered mesoporous alumina nanoparticles: drug release aspects and cytotoxicity assessment. IET Nanobiotechnology, 2017, 11, 661-668.	1.9	17
29	Development of novel thiolated carboxymethyl-gellan gum as potential mucoadhesive polymer: Application of DoE. Advanced Material Science, 2017, 2, .	0.3	12
30	Nanostructured lipid carriers as a potential vehicle for Carvedilol delivery: Application of factorial design approach. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 12-19.	1.9	43
31	DEVELOPMENT AND VALIDATION OF RP- HPLC METHOD FOR THE SIMULTANEOUS ESTIMATION OF TRAMADOL HYDROCHLORIDE AND DICYCLOMINE IN BULK AND PHARMACEUTICAL FORMULATION. Journal of the Chilean Chemical Society, 2016, 61, 2852-2855.	0.5	4
32	Facile Green Synthesis of Reduced Graphene Oxide and Fabrication of Layer by Layer Self-Assembled rGO@Chitosan@Folic Acid Nanocomposite for Possible Biosensing Application. Journal of Bionanoscience, 2016, 10, 150-157.	0.4	3
33	Magnetically responsive siliceous frustules for efficient chemotherapy. Materials Science and Engineering C, 2015, 50, 107-116.	3.8	21
34	Phase Behavior of Poly(lactide)-Based Liquid Crystalline Brushlike Block Copolymers. Macromolecules, 2015, 48, 8315-8322.	2.2	36
35	Sonication-assisted drug encapsulation in layer-by-layer self-assembled gelatin-poly(styrenesulfonate) polyelectrolyte nanocapsules: process optimization. Artificial Cells, Nanomedicine and Biotechnology, 2015, 43, 413-424.	1.9	10
36	Recent Advancement in Discovery and Development of Natural Product Combretastatin-inspired Anticancer Agents. Anti-Cancer Agents in Medicinal Chemistry, 2015, 15, 955-969.	0.9	27

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37	DEVELOPMENT AND VALIDATION OF A REVERSED-PHASE HPLC METHOD FOR THE SIMULTANEOUS ESTIMATION OF DICYCLOMINE HYDROCHLORIDE AND FAMOTIDINE IN BULK AND TABLETS. <i>Journal of the Chilean Chemical Society</i> , 2014, 59, 2662-2665.	0.5	4
38	Nanoarchitectonics in Cancer Therapy and Imaging Diagnosis. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 828-840.	0.9	34
39	Thermally Switchable Aligned Nanopores by Magnetic Field Directed Self-Assembly of Block Copolymers. <i>Advanced Materials</i> , 2014, 26, 5148-5154.	11.1	66
40	Applying quality by design (QbD) concept for fabrication of chitosan coated nanoliposomes. <i>Journal of Liposome Research</i> , 2014, 24, 37-52.	1.5	30
41	Molecular Design of Liquid Crystalline Brush-Like Block Copolymers for Magnetic Field Directed Self-Assembly: A Platform for Functional Materials. <i>ACS Macro Letters</i> , 2014, 3, 462-466.	2.3	59
42	Graphene oxide based magnetic nanocomposites for efficient treatment of breast cancer. <i>Materials Science and Engineering C</i> , 2014, 37, 278-285.	3.8	34
43	Microwave Assisted Development and Statistical Optimization of Porous Tablet by Vaporization Technique. <i>Journal of Pharmaceutical Sciences and Pharmacology</i> , 2014, 1, 254-263.	0.2	0
44	Graphene Based Nanomaterials: Diagnostic Applications. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 179-204.	0.5	27
45	Interplay between Liquid Crystalline Order and Microphase Segregation on the Self-Assembly of Side-Chain Liquid Crystalline Brush Block Copolymers. <i>Macromolecules</i> , 2013, 46, 8245-8252.	2.2	46
46	Fabrication of Layer-By-Layer Self-Assembled Drug Delivery Platform for Prednisolone. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 1637-1644.	1.9	15
47	<i>In vitro</i> and <i>in vivo</i> consideration of novel environmentally responsive ophthalmic drug delivery system. <i>Pharmaceutical Development and Technology</i> , 2013, 18, 950-956.	1.1	13
48	Stimuli-sensitive layer-by-layer (LbL) self-assembly systems: Targeting and biosensory applications. <i>Journal of Controlled Release</i> , 2013, 166, 294-306.	4.8	136
49	A comprehensive review on synthesis and designing aspects of coumarin derivatives as monoamine oxidase inhibitors for depression and Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 2434-2450.	1.4	169
50	Hierarchically Self-Assembled Photonic Materials from Liquid Crystalline Random Brush Copolymers. <i>Macromolecules</i> , 2013, 46, 4558-4566.	2.2	31
51	Design and statistical optimization of osmotically driven capsule based on push-pull technology. <i>Pharmaceutical Development and Technology</i> , 2013, 18, 515-524.	1.1	3
52	Simplified sol-gel method for synthesis of mesoporous alumina. <i>Micro and Nano Letters</i> , 2013, 8, 895-898.	0.6	3
53	Formulation and Evaluation of Nisoldipine Sublingual Tablets Using Pullulan & Chitosan for Rapid Oromucosal Absorption. <i>Advances in Pharmacology and Pharmacy</i> , 2013, 1, 18-25.	0.1	4
54	Fabrication of Specially Designed Novel Mould for Casting of Perindopril Erbumine Mouth Dissolving Film. <i>Advances in Pharmacology and Pharmacy</i> , 2013, 1, 58-67.	0.1	4

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55	Design and development of atorvastatin calcium buccoadhesive bilayered devices for oral drug delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2012, 22, 505-510.	1.4	8
56	Agmatine, an endogenous ligand of imidazoline receptor protects against memory impairment and biochemical alterations in streptozotocin-induced diabetic rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2012, 37, 96-105.	2.5	38
57	Cilnidipine, an L/N-type calcium channel blocker prevents acquisition and expression of ethanol-induced locomotor sensitization in mice. <i>Neuroscience Letters</i> , 2012, 514, 91-95.	1.0	4
58	Cholesteric mesophase in side-chain liquid crystalline polymers: influence of mesogen interdigitation and motional decoupling. <i>Soft Matter</i> , 2012, 8, 3185.	1.2	29
59	Side-Chain Liquid Crystalline Polymer Networks: Exploiting Nanoscale Smectic Polymorphism To Design Shape-Memory Polymers. <i>ACS Nano</i> , 2011, 5, 3085-3095.	7.3	75
60	Geochemical studies of fluoride and other water quality parameters of ground water in Dhule region Maharashtra, India. <i>Journal of Natural Science, Biology and Medicine</i> , 2010, 1, 9.	1.0	3
61	Novel System for Decarboxylative Bromination of .ALPHA.,.BETA.-Unsaturated Carboxylic Acids with Diacetoxyiodobenzene. <i>Chemical and Pharmaceutical Bulletin</i> , 2009, 57, 1243-1245.	0.6	17
62	One step synthesis approach of mesoporous silica packed with graphene oxide nanosheet: Characterisation and drug release aspects. <i>Materials Technology</i> , 0, , 1-14.	1.5	1