

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	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
2	Graphene-based nanocomposites for sensitivity enhancement of surface plasmon resonance sensor for biological and chemical sensing: A review. <i>Biosensors and Bioelectronics</i> , 2019, 139, 111324.	5.3	155
3	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
4	Heterogeneous surface architected metal-organic frameworks for cancer therapy, imaging, and biosensing: A state-of-the-art review. <i>Coordination Chemistry Reviews</i> , 2020, 409, 213212.	9.5	93
5	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
6	Thermally Switchable Aligned Nanopores by Magnetic Field Directed Self-Assembly of Block Copolymers. <i>Advanced Materials</i> , 2014, 26, 5148-5154.	11.1	66
7	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
8	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
9	Nanostructured lipid carriers as a potential vehicle for Carvedilol delivery: Application of factorial design approach. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 12-19.	1.9	43
10	Controlled synthesis of blue luminescent graphene quantum dots from carbonized citric acid: Assessment of methodology, stability, and fluorescence in an aqueous environment. <i>Materials Chemistry and Physics</i> , 2018, 220, 11-22.	2.0	43
11	Recent advances in phytochemical-based Nano-formulation for drug-resistant Cancer. <i>Medicine in Drug Discovery</i> , 2021, 10, 100082.	2.3	40
12	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
13	Phase Behavior of Poly(lactide)-Based Liquid Crystalline Brushlike Block Copolymers. <i>Macromolecules</i> , 2015, 48, 8315-8322.	2.2	36
14	Recent Advancement in Bio-precursor derived graphene quantum dots: Synthesis, Characterization and Toxicological Perspective. <i>Nanotechnology</i> , 2020, 31, 292001.	1.3	36
15	Nanoarchitectonics in Cancer Therapy and Imaging Diagnosis. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 828-840.	0.9	34
16	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
17	Black Phosphorus as Multifaceted Advanced Material Nanoplatfoms for Potential Biomedical Applications. <i>Nanomaterials</i> , 2021, 11, 13.	1.9	33
18	Hierarchically Self-Assembled Photonic Materials from Liquid Crystalline Random Brush Copolymers. <i>Macromolecules</i> , 2013, 46, 4558-4566.	2.2	31

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19	Applying quality by design (QbD) concept for fabrication of chitosan coated nanoliposomes. Journal of Liposome Research, 2014, 24, 37-52.	1.5	30
20	Cholesteric mesophase in side-chain liquid crystalline polymers: influence of mesogen interdigitation and motional decoupling. Soft Matter, 2012, 8, 3185.	1.2	29
21	Graphene Based Nanomaterials: Diagnostic Applications. Journal of Biomedical Nanotechnology, 2014, 10, 179-204.	0.5	27
22	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
23	Optically Active Elastomers from Liquid Crystalline Comb Copolymers with Dual Physical and Chemical Cross-Links. Macromolecules, 2017, 50, 5929-5939.	2.2	22
24	Magnetically responsive siliceous frustules for efficient chemotherapy. Materials Science and Engineering C, 2015, 50, 107-116.	3.8	21
25	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
26	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
27	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
28	Computational studies and biosensory applications of graphene-based nanomaterials: a state-of-the-art review. Nanotechnology, 2020, 31, 432001.	1.3	18
29	Novel System for Decarboxylative Bromination of .ALPHA.,.BETA.-Unsaturated Carboxylic Acids with Diacetoxyiodobenzene. Chemical and Pharmaceutical Bulletin, 2009, 57, 1243-1245.	0.6	17
30	Development of surface engineered mesoporous alumina nanoparticles: drug release aspects and cytotoxicity assessment. IET Nanobiotechnology, 2017, 11, 661-668.	1.9	17
31	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
32	Fabrication of Layer-By-Layer Self-Assembled Drug Delivery Platform for Prednisolone. Polymer-Plastics Technology and Engineering, 2013, 52, 1637-1644.	1.9	15
33	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
34	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
35	<i>In vitro</i> and <i>in vivo</i> consideration of novel environmentally responsive ophthalmic drug delivery system. Pharmaceutical Development and Technology, 2013, 18, 950-956.	1.1	13
36	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

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37	Development of novel thiolated carboxymethyl-gellan gum as potential mucoadhesive polymer: Application of DoE. <i>Advanced Material Science</i> , 2017, 2, .	0.3	12
38	Fabrication and <i>In vitro</i> drug release characteristics of magnetic nanocellulose fiber composites for efficient delivery of nystatin. <i>Materials Research Express</i> , 2018, 5, 116102.	0.8	11
39	Sonication-assisted drug encapsulation in layer-by-layer self-assembled gelatin-poly (styrenesulfonate) polyelectrolyte nanocapsules: process optimization. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2015, 43, 413-424.	1.9	10
40	Fabrication and characterization of graphene-based hybrid nanocomposite: assessment of antibacterial potential and biomedical application. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 1496-1508.	1.9	9
41	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
42	Electrostatic deposition assisted preparation, characterization and evaluation of chrysin liposomes for breast cancer treatment. <i>Drug Development and Industrial Pharmacy</i> , 2021, 47, 809-819.	0.9	8
43	Eco-Friendly In Situ Fabrication of Reduced Graphene Oxide Gold Nanocomposites for Catalysis and Dye Degradation. <i>Russian Journal of Physical Chemistry A</i> , 2018, 92, 2750-2756.	0.1	6
44	Quality by design approach for the synthesis of graphene oxide nanosheets using full factorial design with enhanced delivery of Gefitinib nanocrystals. <i>Materials Research Express</i> , 2021, 8, 075602.	0.8	5
45	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
46	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
47	DEVELOPMENT AND VALIDATION OF RP- HPLC METHOD FOR THE SIMULTANEOUS ESTIMATION OF TRAMADOL HYDROCHLORIDE AND DICYCLOMINE IN BULK AND PHARMACEUTICAL FORMULATION. <i>Journal of the Chilean Chemical Society</i> , 2016, 61, 2852-2855.	0.5	4
48	Formulation and Evaluation of Nisoldipne Sublingual Tablets Using Pullulan & Chitosan for Rapid Oromucosal Absorption. <i>Advances in Pharmacology and Pharmacy</i> , 2013, 1, 18-25.	0.1	4
49	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
50	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
51	Simplified sol-gel method for synthesis of mesoporous alumina. <i>Micro and Nano Letters</i> , 2013, 8, 895-898.	0.6	3
52	One- pot development of spray dried cationic proliposomal dry powder insufflation: Optimization, characterization and bio-interactions. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102298.	1.4	3
53	Facile Green Synthesis of Reduced Graphene Oxide and Fabrication of Layer by Layer Self-Assembled rGO@Chitosan@rGO@Folic Acid Nanocomposite for Possible Biosensing Application. <i>Journal of Bionanoscience</i> , 2016, 10, 150-157.	0.4	3
54	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

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55	Antibody-Mediated Diagnosis of Biomolecules. , 2019, , 165-193.		1
56	One step synthesis approach of mesoporous silica packed with graphene oxide nanosheet: Characterisation and drug release aspects. Materials Technology, 0, , 1-14.	1.5	1
57	Pharmacokinetics of Drug-in-Polymer Matrix-Based Nanoparticulate Drug Delivery System. , 2022, , 159-186.		1
58	Microwave Assisted Development and Statistical Optimization of Porous Tablet by Vaporization Technique. Journal of Pharmaceutical Sciences and Pharmacology, 2014, 1, 254-263.	0.2	0
59	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
60	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
61	New Stimuli-Response Liquid Crystalline Polymer Architectures. , 2019, , 1-14.		0
62	New Stimuli-Response Liquid Crystalline Polymer Architectures. Polymers and Polymeric Composites, 2020, , 479-492.	0.6	0