

O P Katare

List of Publications by Year in descending order

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70
papers

3,298
citations

94433

37
h-index

149698

56
g-index

70
all docs

70
docs citations

70
times ranked

3475
citing authors

#	ARTICLE	IF	CITATIONS
1	Lecithin organogels as a potential phospholipid-structured system for topical drug delivery: A review. <i>AAPS PharmSciTech</i> , 2005, 6, E298-E310.	3.3	196
2	Nano-lipoidal carriers of tretinoin with enhanced percutaneous absorption, photostability, biocompatibility and anti-psoriatic activity. <i>International Journal of Pharmaceutics</i> , 2013, 456, 65-72.	5.2	178
3	Optimized self nano-emulsifying systems of ezetimibe with enhanced bioavailability potential using long chain and medium chain triglycerides. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 100, 50-61.	5.0	144
4	Galactose engineered solid lipid nanoparticles for targeted delivery of doxorubicin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 47-58.	5.0	132
5	Systematically optimized biocompatible isotretinoin-loaded solid lipid nanoparticles (SLNs) for topical treatment of acne. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 105, 67-74.	5.0	107
6	Lycopene loaded whey protein isolate nanoparticles: An innovative endeavor for enhanced bioavailability of lycopene and anti-cancer activity. <i>International Journal of Pharmaceutics</i> , 2018, 546, 97-105.	5.2	106
7	Novel drug delivery systems in topical treatment of psoriasis: Rigors and vigors. <i>Indian Journal of Dermatology, Venereology and Leprology</i> , 2010, 76, 612.	0.6	103
8	Quality by Design (QbD)-enabled development of aceclofenac loaded-nano structured lipid carriers (NLCs): An improved dermatokinetic profile for inflammatory disorder(s). <i>International Journal of Pharmaceutics</i> , 2017, 517, 413-431.	5.2	97
9	Nanosized ethosomes-based hydrogel formulations of methoxsalen for enhanced topical delivery against vitiligo: formulation optimization, <i>in vitro</i> evaluation and preclinical assessment. <i>Journal of Drug Targeting</i> , 2016, 24, 233-246.	4.4	92
10	Nanostructured lipid carrier mediates effective delivery of methotrexate to induce apoptosis of rheumatoid arthritis via NF- κ B and FOXO1. <i>International Journal of Pharmaceutics</i> , 2016, 499, 301-320.	5.2	84
11	Fucose decorated solid-lipid nanocarriers mediate efficient delivery of methotrexate in breast cancer therapeutics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 114-126.	5.0	83
12	Phospholipid microemulsion-based hydrogel for enhanced topical delivery of lidocaine and prilocaine: QbD-based development and evaluation. <i>Drug Delivery</i> , 2016, 23, 941-957.	5.7	80
13	Tamoxifen-loaded lecithin organogel (LO) for topical application: Development, optimization and characterization. <i>International Journal of Pharmaceutics</i> , 2013, 444, 47-59.	5.2	75
14	Nanocolloidal Carriers of Isotretinoin: Antimicrobial Activity against <i>Propionibacterium acnes</i> and Dermatokinetic Modeling. <i>Molecular Pharmaceutics</i> , 2013, 10, 1958-1963.	4.6	74
15	Effective transdermal delivery of methotrexate through nanostructured lipid carriers in an experimentally induced arthritis model. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 147, 17-24.	5.0	67
16	Functionalized Lipid-Polymer Hybrid Nanoparticles Mediated Codelivery of Methotrexate and Aceclofenac: A Synergistic Effect in Breast Cancer with Improved Pharmacokinetics Attributes. <i>Molecular Pharmaceutics</i> , 2017, 14, 1883-1897.	4.6	66
17	Methotrexate and beta-carotene loaded-lipid polymer hybrid nanoparticles: a preclinical study for breast cancer. <i>Nanomedicine</i> , 2017, 12, 1851-1872.	3.3	65
18	Biocompatible lidocaine and prilocaine loaded-nanoemulsion system for enhanced percutaneous absorption: QbD-based optimisation, dermatokinetics and <i>in vivo</i> evaluation. <i>Journal of Microencapsulation</i> , 2015, 32, 419-431.	2.8	63

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19	Liposomal fusidic acid as a potential delivery system: a new paradigm in the treatment of chronic plaque psoriasis. <i>Drug Delivery</i> , 2016, 23, 1204-1213.	5.7	59
20	Novel dithranol phospholipid microemulsion for topical application: development, characterization and percutaneous absorption studies. <i>Journal of Microencapsulation</i> , 2011, 28, 190-199.	2.8	57
21	Significant systemic and mucosal immune response induced on oral delivery of diphtheria toxoid using nano-liposomes. <i>British Journal of Pharmacology</i> , 2011, 164, 820-827.	5.4	56
22	Efficient, enzyme responsive and tumor receptor targeting gelatin nanoparticles decorated with concanavalin-A for site-specific and controlled drug delivery for cancer therapy. <i>Materials Science and Engineering C</i> , 2021, 123, 112027.	7.3	53
23	Lipid-based capsaicin-loaded nano-colloidal biocompatible topical carriers with enhanced analgesic potential and decreased dermal irritation. <i>Journal of Liposome Research</i> , 2014, 24, 290-296.	3.3	52
24	Fabrication and functional attributes of lipidic nanoconstructs of lycopene: An innovative endeavour for enhanced cytotoxicity in MCF-7 breast cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 482-491.	5.0	50
25	Benzyl Benzoate-Loaded Microemulsion for Topical Applications: Enhanced Dermatokinetic Profile and Better Delivery Promises. <i>AAPS PharmSciTech</i> , 2016, 17, 1221-1231.	3.3	49
26	Design and evaluation of flexible membrane vesicles (FMVs) for enhanced topical delivery of capsaicin. <i>Journal of Drug Targeting</i> , 2011, 19, 293-302.	4.4	47
27	Novel phospholipid-based topical formulations of tamoxifen: evaluation for antipsoriatic activity using mouse-tail model. <i>Pharmaceutical Development and Technology</i> , 2014, 19, 160-163.	2.4	46
28	Beta-carotene-Encapsulated Solid Lipid Nanoparticles (BC-SLNs) as Promising Vehicle for Cancer: an Investigative Assessment. <i>AAPS PharmSciTech</i> , 2019, 20, 100.	3.3	46
29	Beta carotene-loaded zein nanoparticles to improve the biopharmaceutical attributes and to abolish the toxicity of methotrexate: a preclinical study for breast cancer. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 402-412.	2.8	45
30	Phospholipid structured microemulsion as effective carrier system with potential in methicillin sensitive <i>Staphylococcus aureus</i> (MSSA) involved burn wound infection. <i>Journal of Drug Targeting</i> , 2015, 23, 943-952.	4.4	44
31	Quality by Design (QbD)-Based Development and Optimization of a Simple, Robust RP-HPLC Method for the Estimation of Methotrexate. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015, 38, 1629-1637.	1.0	43
32	Development and characterization of minoxidil-loaded liposomal system for delivery to pilosebaceous units. <i>Journal of Liposome Research</i> , 2010, 20, 105-114.	3.3	42
33	Novel elastic membrane vesicles (EMVs) and ethosomes-mediated effective topical delivery of aceclofenac: a new therapeutic approach for pain and inflammation. <i>Drug Delivery</i> , 2016, 23, 3135-3145.	5.7	42
34	Recent advances in galactose-engineered nanocarriers for the site-specific delivery of siRNA and anticancer drugs. <i>Drug Discovery Today</i> , 2018, 23, 960-973.	6.4	40
35	Nano-lipoidal carriers of isotretinoin with anti-aging potential: formulation, characterization and biochemical evaluation. <i>Journal of Drug Targeting</i> , 2013, 21, 435-442.	4.4	39
36	Systematic development of novel cationic self-nanoemulsifying drug delivery systems of candesartan cilexetil with enhanced biopharmaceutical performance. <i>RSC Advances</i> , 2015, 5, 71500-71513.	3.6	39

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37	Triamcinolone acetonide loaded-cationic nano-lipoidal formulation for uveitis: Evidences of improved biopharmaceutical performance and anti-inflammatory activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 190, 110902.	5.0	39
38	Aceclofenac cocrystal nanoliposomes for rheumatoid arthritis with better dermatokinetic attributes: a preclinical study. <i>Nanomedicine</i> , 2017, 12, 615-638.	3.3	38
39	Supramolecular nano-engineered lipidic carriers based on diflunisal-phospholipid complex for transdermal delivery: QbD based optimization, characterization and preclinical investigations for management of rheumatoid arthritis. <i>International Journal of Pharmaceutics</i> , 2017, 533, 206-224.	5.2	35
40	The ligand (s) anchored lipobrid nanoconstruct mediated delivery of methotrexate: an effective approach in breast cancer therapeutics. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 2043-2060.	3.3	33
41	Chitosan-tailored lipidic nanoconstructs of Fusidic acid as promising vehicle for wound infections: An explorative study. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 1012-1025.	7.5	32
42	Systematically optimized coenzyme q10-loaded novel proniosomal formulation for treatment of photo-induced aging in mice: characterization, biocompatibility studies, biochemical estimations and anti-aging evaluation. <i>Journal of Drug Targeting</i> , 2016, 24, 257-271.	4.4	30
43	Tamoxifen-loaded novel liposomal formulations: evaluation of anticancer activity on DMBA-TPA induced mouse skin carcinogenesis. <i>Journal of Drug Targeting</i> , 2012, 20, 544-550.	4.4	29
44	Delivery of Thermo-responsive-Tailored Mixed Micellar Nanogel of Lidocaine and Prilocaine with Improved Dermatokinetic Profile and Therapeutic Efficacy in Topical Anaesthesia. <i>AAPS PharmSciTech</i> , 2017, 18, 790-802.	3.3	29
45	Formulation, characterisation and <i>in vivo</i> evaluation of lipid-based nanocarrier for topical delivery of diflunisal. <i>Journal of Microencapsulation</i> , 2016, 33, 475-486.	2.8	27
46	Lanolin-based organogel of salicylic acid: evidences of better dermatokinetic profile in imiquimod-induced keratolytic therapy in BALB/c mice model. <i>Drug Delivery and Translational Research</i> , 2018, 8, 398-413.	5.8	26
47	Chitosan and phospholipid assisted topical fusidic acid drug delivery in burn wound: Strategies to conquer pharmaceutical and clinical challenges, opportunities and future panorama. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 325-335.	7.5	26
48	Aceclofenac- β -cyclodextrin-vesicles: a dual carrier approach for skin with enhanced stability, efficacy and dermatokinetic profile. <i>RSC Advances</i> , 2016, 6, 20713-20727.	3.6	25
49	A Facile Approach for Synthesis and Intracellular Delivery of Size Tunable Cationic Peptide Functionalized Gold Nanohybrids in Cancer Cells. <i>Bioconjugate Chemistry</i> , 2018, 29, 1102-1110.	3.6	22
50	Nano-engineered lipid-polymer hybrid nanoparticles of fusidic acid: an investigative study on dermatokinetics profile and MRSA-infected burn wound model. <i>Drug Delivery and Translational Research</i> , 2019, 9, 748-763.	5.8	22
51	Implementation of Quality by Design (QbD) approach in development of silver sulphadiazine loaded egg oil organogel: An improved dermatokinetic profile and therapeutic efficacy in burn wounds. <i>International Journal of Pharmaceutics</i> , 2020, 576, 118977.	5.2	22
52	Preclinical Explorative Assessment of Celecoxib-Based Biocompatible Lipidic Nanocarriers for the Management of CFA-Induced Rheumatoid Arthritis in Wistar Rats. <i>AAPS PharmSciTech</i> , 2018, 19, 3187-3198.	3.3	21
53	Stability kinetics of fusidic acid: Development and validation of stability indicating analytical method by employing Analytical Quality by Design approach in medicinal product(s). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1120, 113-124.	2.3	21
54	Fabrication of acyclovir-loaded flexible membrane vesicles (FMVs): evidence of preclinical efficacy of antiviral activity in murine model of cutaneous HSV-1 infection. <i>Drug Delivery and Translational Research</i> , 2017, 7, 683-694.	5.8	17

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55	Enhanced acyclovir delivery using w/o type microemulsion: preclinical assessment of antiviral activity using murine model of zosteriform cutaneous HSV-1 infection. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 346-354.	2.8	17
56	Systematically Optimized Ketoprofen-Loaded Novel Proniosomal Formulation for Periodontitis: In Vitro Characterization and In Vivo Pharmacodynamic Evaluation. <i>AAPS PharmSciTech</i> , 2017, 18, 1863-1880.	3.3	15
57	Development and evaluation of topical microemulsion of dibenzoylmethane for treatment of UV induced photoaging. <i>Journal of Drug Delivery Science and Technology</i> , 2017, 37, 1-12.	3.0	15
58	Nanotechnological interventions in dermatophytosis: from oral to topical, a fresh perspective. <i>Expert Opinion on Drug Delivery</i> , 2019, 16, 377-396.	5.0	12
59	Tamoxifen-encapsulated vesicular systems: cytotoxicity evaluation in human epidermal keratinocyte cell line. <i>Drug Development and Industrial Pharmacy</i> , 2010, 36, 350-354.	2.0	11
60	Washability and fabric staining properties of a novel phospholipid structured coal tar formulation. <i>Journal of Dermatological Treatment</i> , 2008, 19, 105-110.	2.2	10
61	Emergence of nail lacquers as potential transungual delivery system in the management of onychomycosis. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 937-952.	5.0	10
62	Studies on tamoxifen encapsulated in lipid vesicles: Effect on the growth of human breast cancer MCF-7 cells. <i>Journal of Liposome Research</i> , 2009, 19, 169-172.	3.3	9
63	Systematically Optimized Imiquimod-Loaded Novel Hybrid Vesicles by Employing Design of Experiment (DoE) Approach with Improved Biocompatibility, Stability, and Dermatokinetic Profile. <i>AAPS PharmSciTech</i> , 2019, 20, 156.	3.3	8
64	Actinic keratosis and imiquimod: a review of novel carriers and patents. <i>Expert Opinion on Drug Delivery</i> , 2019, 16, 101-112.	5.0	8
65	Protein transduction domain functionalized gold nanoparticles for effective delivery of potent cytotoxic agent in cancer cells. <i>Journal of Molecular Liquids</i> , 2021, 328, 115385.	4.9	7
66	Co-delivery of isotretinoin and clindamycin by phospholipid-based mixed micellar system confers synergistic effect for treatment of acne vulgaris. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 1291-1308.	5.0	7
67	Analytical QbD-Integrated Method Development and Validation of Silver Sulphadiazine in Pure Drug and Topical Nanocarrier(s). <i>Analytical Chemistry Letters</i> , 2018, 8, 727-746.	1.0	6
68	Holistic development of coal tar lotion by embedding design of experiments (DoE) technique: preclinical investigations. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 255-273.	5.0	4
69	Pluronic F127-tailored lecithin organogel of acyclovir: preclinical evidence of antiviral activity using BALB/c murine model of cutaneous HSV-1 infection. <i>Drug Delivery and Translational Research</i> , 2022, 12, 213-228.	5.8	4
70	Effect of Metamorphed Keratolytic Agent on the Behavior of Imiquimod Loaded Hybrid Vesicles Containing Gel. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 3879-3889.	3.3	0