

# Natasa Skalko-Basnet

## List of Publications by Year in descending order

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113  
papers

5,020  
citations

87843

38  
h-index

102432

66  
g-index

116  
all docs

116  
docs citations

116  
times ranked

6331  
citing authors

#	ARTICLE	IF	CITATIONS
1	Curcumin: An Anti-Inflammatory Molecule from a Curry Spice on the Path to Cancer Treatment. <i>Molecules</i> , 2011, 16, 4567-4598.	1.7	570
2	Improved texture analysis for hydrogel characterization: Gel cohesiveness, adhesiveness, and hardness. <i>Journal of Applied Polymer Science</i> , 2012, 125, 180-188.	1.3	183
3	Interpreting non-linear drug diffusion data: Utilizing Korsmeyer-Peppas model to study drug release from liposomes. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 138, 105026.	1.9	163
4	In vitro skin models as a tool in optimization of drug formulation. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 75, 10-24.	1.9	162
5	Liposomal gels for vaginal drug delivery. <i>International Journal of Pharmaceutics</i> , 2001, 219, 139-149.	2.6	160
6	Wound healing properties of <i>Carica papaya</i> latex: In vivo evaluation in mice burn model. <i>Journal of Ethnopharmacology</i> , 2009, 121, 338-341.	2.0	152
7	Development and in vitro evaluation of a liposomal vaginal delivery system for acyclovir. <i>Journal of Controlled Release</i> , 2005, 106, 34-43.	4.8	134
8	Mucoadhesive chitosan-coated liposomes: characteristics and stability. <i>Journal of Microencapsulation</i> , 2001, 18, 3-12.	1.2	133
9	Liposomal Delivery System Enhances Anti-Inflammatory Properties of Curcumin. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 598-609.	1.6	124
10	Mucoadhesive liposomal delivery systems: the choice of coating material. <i>Drug Development and Industrial Pharmacy</i> , 2011, 37, 482-488.	0.9	117
11	Nanopharmaceuticals for improved topical vaginal therapy: Can they deliver?. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 50, 29-41.	1.9	100
12	Resveratrol-loaded liposomes for topical treatment of the vaginal inflammation and infections. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 79, 112-121.	1.9	98
13	Chitosan-coated liposomes for topical vaginal therapy: Assuring localized drug effect. <i>International Journal of Pharmaceutics</i> , 2014, 472, 94-101.	2.6	95
14	Characterisation and in vitro evaluation of bioadhesive liposome gels for local therapy of vaginitis. <i>International Journal of Pharmaceutics</i> , 2005, 301, 140-148.	2.6	87
15	Potentials of Chitosan-Based Delivery Systems in Wound Therapy: Bioadhesion Study. <i>Journal of Functional Biomaterials</i> , 2012, 3, 37-48.	1.8	76
16	<i>Enterococcus faecium</i> produces membrane vesicles containing virulence factors and antimicrobial resistance related proteins. <i>Journal of Proteomics</i> , 2018, 187, 28-38.	1.2	74
17	Improved Burns Therapy: Liposomes in Hydrogel Delivery System for Mupirocin. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 3906-3915.	1.6	68
18	Mucoadhesive liposomes as new formulation for vaginal delivery of curcumin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 40-46.	2.0	68

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19	Novel vaginal drug delivery system: deformable propylene glycol liposomes-in-hydrogel. <i>Journal of Liposome Research</i> , 2014, 24, 27-36.	1.5	64
20	Liposomes Containing Drug and Cyclodextrin Prepared by the One-Step Spray-Drying Method. <i>Drug Development and Industrial Pharmacy</i> , 2000, 26, 1279-1284.	0.9	63
21	Biologics: the role of delivery systems in improved therapy. <i>Biologics: Targets and Therapy</i> , 2014, 8, 107.	3.0	63
22	PEGylated liposomes for topical vaginal therapy improve delivery of interferon alpha. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 113, 132-139.	2.0	63
23	Screening of Nepalese crude drugs traditionally used to treat hyperpigmentation: <i>in vitro</i> tyrosinase inhibition. <i>International Journal of Cosmetic Science</i> , 2008, 30, 353-360.	1.2	62
24	Chitosan microspheres of nifedipine and nifedipine-cyclodextrin inclusion complexes. <i>International Journal of Pharmaceutics</i> , 1996, 135, 183-190.	2.6	61
25	Solubilization of ibuprofen with $\beta$ -cyclodextrin derivatives: Energetic and structural studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 55, 446-451.	1.4	56
26	Beta-glucan-loaded nanofiber dressing improves wound healing in diabetic mice. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 121, 269-280.	1.9	56
27	Antioxidant activity and polyphenol content in edible wild fruits from Nepal. <i>International Journal of Food Sciences and Nutrition</i> , 2010, 61, 425-432.	1.3	54
28	The effect of lipid composition and liposome size on the release properties of liposomes-in-hydrogel. <i>International Journal of Pharmaceutics</i> , 2013, 456, 49-57.	2.6	53
29	Chitosan in Mucoadhesive Drug Delivery: Focus on Local Vaginal Therapy. <i>Marine Drugs</i> , 2015, 13, 222-236.	2.2	51
30	Liposomes with clindamycin hydrochloride in the therapy of acne vulgaris. <i>International Journal of Pharmaceutics</i> , 1992, 85, 97-101.	2.6	50
31	Localized Therapy of Vaginal Infections and Inflammation: Liposomes-In-Hydrogel Delivery System for Polyphenols. <i>Pharmaceutics</i> , 2019, 11, 53.	2.0	48
32	Curcumin-In-Deformable Liposomes-In-Chitosan-Hydrogel as a Novel Wound Dressing. <i>Pharmaceutics</i> , 2020, 12, 8.	2.0	47
33	Liposomes with nifedipine and nifedipine-cyclodextrin complex: calorimetrical and plasma stability comparison. <i>European Journal of Pharmaceutical Sciences</i> , 1996, 4, 359-366.	1.9	45
34	Chitosan-Based Nanomedicine to Fight Genital Candida Infections: Chitosomes. <i>Marine Drugs</i> , 2017, 15, 64.	2.2	45
35	Liposomes containing drugs for treatment of vaginal infections. <i>European Journal of Pharmaceutical Sciences</i> , 1999, 8, 345-351.	1.9	44
36	Liposomes augment biological benefits of curcumin for multitargeted skin therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 144, 154-164.	2.0	44

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37	Sprayable Carbopol hydrogel with soluble beta-1,3/1,6-glucan as an active ingredient for wound healing – Development and in-vivo evaluation. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 107, 24-31.	1.9	43
38	Characterization of various deformable liposomes with metronidazole. <i>Drug Development and Industrial Pharmacy</i> , 2013, 39, 481-488.	0.9	42
39	Mucoadhesive buccal films based on a graft co-polymer – A mucin-retentive hydrogel scaffold. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 142, 105142.	1.9	42
40	Liposomes-in-chitosan hydrogel boosts potential of chlorhexidine in biofilm eradication in vitro. <i>Carbohydrate Polymers</i> , 2021, 262, 117939.	5.1	42
41	Liposomal delivery of antibiotic loaded nucleic acid nanogels with enhanced drug loading and synergistic anti-inflammatory activity against <i>S. aureus</i> intracellular infections. <i>Journal of Controlled Release</i> , 2020, 324, 620-632.	4.8	40
42	Utilizing Liposomal Quercetin and Gallic Acid in Localized Treatment of Vaginal Candida Infections. <i>Pharmaceutics</i> , 2020, 12, 9.	2.0	38
43	Liposomes for (trans)dermal drug delivery: the skin-PVPA as a novel <i>in vitro</i> stratum corneum model in formulation development. <i>Journal of Liposome Research</i> , 2014, 24, 313-322.	1.5	37
44	Liposomes with Metronidazole for Topical Use: The Choice of Preparation Method and Vehicle. <i>Journal of Liposome Research</i> , 1998, 8, 283-293.	1.5	36
45	Liposomes-in-Hydrogel Delivery System with Mupirocin: <i>In Vitro</i> Antibiofilm Studies and <i>In Vivo</i> Evaluation in Mice Burn Model. <i>BioMed Research International</i> , 2013, 2013, 1-8.	0.9	36
46	Old drug, new wrapping – A possible comeback for chloramphenicol?. <i>International Journal of Pharmaceutics</i> , 2017, 526, 538-546.	2.6	36
47	&lt;p&gt;Azithromycin-liposomes as a novel approach for localized therapy of cervicovaginal bacterial infections&lt;p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 5957-5976.	3.3	35
48	Pectosomes and Chitosomes as Delivery Systems for Metronidazole: The One-Pot Preparation Method. <i>Pharmaceutics</i> , 2013, 5, 445-456.	2.0	34
49	Mucus-PVPA (mucus Phospholipid Vesicle-based Permeation Assay): An artificial permeability tool for drug screening and formulation development. <i>International Journal of Pharmaceutics</i> , 2018, 537, 213-222.	2.6	34
50	Morphological observations on liposomes bearing covalently bound protein: Studies with freeze-fracture and cryo electron microscopy and small angle X-ray scattering techniques. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1370, 151-160.	1.4	33
51	Development and Evaluation of an <i>In Vitro</i> Vaginal Model for Assessment of Drug’s Biopharmaceutical Properties: Curcumin. <i>AAPS PharmSciTech</i> , 2012, 13, 1045-1053.	1.5	33
52	New Applications of Phospholipid Vesicle-Based Permeation Assay: Permeation Model Mimicking Skin Barrier. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 1588-1600.	1.6	33
53	Improved Permeability of Acyclovir: Optimization of Mucoadhesive Liposomes Using the Phospholipid Vesicle-Based Permeation Assay. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 661-668.	1.6	33
54	A Non-Ionic Surfactant Vesicle - in - Water - in - Oil (v/w/o) System: Potential Uses in Drug and Vaccine Delivery. <i>Journal of Drug Targeting</i> , 1995, 2, 533-539.	2.1	31

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55	Phospholipid Vesicle-Based Permeation Assay and EpiSkin® in Assessment of Drug Therapies Destined for Skin Administration. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 1119-1127.	1.6	31
56	(Phospho)lipid-based Nanosystems for Skin Administration. <i>Current Pharmaceutical Design</i> , 2015, 21, 4174-4192.	0.9	30
57	Successful co-encapsulation of benzoyl peroxide and chloramphenicol in liposomes by a novel manufacturing method - dual asymmetric centrifugation. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 97, 192-199.	1.9	29
58	Deformable liposomes for skin therapy with human epidermal growth factor: The effect of liposomal surface charge. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 125, 163-171.	1.9	29
59	Following the Fate of Dye-Containing Liposomes In Vitro. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4847.	1.8	29
60	The Antimicrobial Properties of Chitosan Can Be Tailored by Formulation. <i>Marine Drugs</i> , 2020, 18, 96.	2.2	28
61	Chitosomes-In-Chitosan Hydrogel for Acute Skin Injuries: Prevention and Infection Control. <i>Marine Drugs</i> , 2021, 19, 269.	2.2	27
62	High-Performance Liquid Chromatography Analysis of Capsaicin Content in 16 <i>Capsicum</i> Fruits from Nepal. <i>Journal of Medicinal Food</i> , 2009, 12, 908-913.	0.8	26
63	Liposomal solubilization of new 3-hydroxy-quinolinone derivatives with promising anticancer activity: a screening method to identify maximum incorporation capacity. <i>Journal of Liposome Research</i> , 2011, 21, 272-278.	1.5	26
64	Liposomal gel with chloramphenicol: characterisation and in vitro release. <i>Acta Pharmaceutica</i> , 2004, 54, 319-30.	0.9	26
65	Antibiotic delivery by liposomes from prokaryotic microorganisms: Similia cum similis works better. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 411-418.	2.0	25
66	Liposomes-In-Hydrogel Delivery System Enhances the Potential of Resveratrol in Combating Vaginal Chlamydia Infection. <i>Pharmaceutics</i> , 2020, 12, 1203.	2.0	25
67	Stability of amlodipine besylate and atenolol in multi-component tablets of mono-layer and bi-layer types. <i>Acta Pharmaceutica</i> , 2008, 58, 299-308.	0.9	22
68	Development of Suberin Fatty Acids and Chloramphenicol-Loaded Antimicrobial Electrospun Nanofibrous Mats Intended for Wound Therapy. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 1239-1247.	1.6	22
69	Tablets of pre-liposomes govern in situ formation of liposomes: Concept and potential of the novel drug delivery system. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 443-454.	2.0	21
70	Mucosal nanosystems for improved topical drug delivery: vaginal route of administration. <i>Journal of Drug Delivery Science and Technology</i> , 2014, 24, 435-444.	1.4	20
71	Secretomic analysis of extracellular vesicles originating from polyomavirus-negative and polyomavirus-positive Merkel cell carcinoma cell lines. <i>Proteomics</i> , 2016, 16, 2587-2591.	1.3	20
72	pH-sensitive liposomes for receptor-mediated delivery to chicken hepatoma (LMH) cells. <i>FEBS Letters</i> , 1998, 434, 351-356.	1.3	19

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73	Nanodelivery Systems for Improved Topical Antimicrobial Therapy. <i>Current Pharmaceutical Design</i> , 2013, 19, 7237-7243.	0.9	19
74	Development and optimization of a new processing approach for manufacturing topical liposomes-in-hydrogel drug formulations by dual asymmetric centrifugation. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 1375-1383.	0.9	19
75	The Expanded Role of Chitosan in Localized Antimicrobial Therapy. <i>Marine Drugs</i> , 2021, 19, 697.	2.2	19
76	Nanomedicines for the topical treatment of vulvovaginal infections: Addressing the challenges of antimicrobial resistance. <i>Advanced Drug Delivery Reviews</i> , 2021, 178, 113855.	6.6	18
77	The effect of microfluidization of protein-coated liposomes on protein distribution on the surface of generated small vesicles. <i>Lipids and Lipid Metabolism</i> , 1996, 1301, 249-254.	2.6	17
78	Overcoming instability and low solubility of new cytostatic compounds: A comparison of two approaches. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 80, 657-662.	2.0	17
79	Liposomal Gels for Vaginal Drug Delivery. <i>Methods in Enzymology</i> , 2004, 387, 287-299.	0.4	16
80	The Vaginal-PVPA: A Vaginal Mucosa-Mimicking In Vitro Permeation Tool for Evaluation of Mucoadhesive Formulations. <i>Pharmaceutics</i> , 2020, 12, 568.	2.0	16
81	<i>In vitro</i> models to estimate drug penetration through the compromised stratum corneum barrier. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 1742-1751.	0.9	15
82	Ceramide-containing liposomes with doxorubicin: time and cell-dependent effect of C6 and C12 ceramide. <i>Oncotarget</i> , 2017, 8, 76921-76934.	0.8	15
83	Going skin deep: A direct comparison of penetration potential of lipid-based nanovesicles on the isolated perfused human skin flap model. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 121, 14-23.	2.0	14
84	The isolated perfused human skin flap model: A missing link in skin penetration studies?. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 96, 334-341.	1.9	14
85	Dual Centrifugation - A Novel Liposome Processing Technique. , 0, , .		14
86	Uptake of Liposomally Entrapped Fluorescent Antisense Oligonucleotides in NG108-15 Cells: Conventional versus pH-Sensitive.. <i>Biological and Pharmaceutical Bulletin</i> , 2002, 25, 1583-1587.	0.6	13
87	Elastic liposomes-in-vehicle formulations destined for skin therapy: the synergy between type of liposomes and vehicle. <i>Drug Development and Industrial Pharmacy</i> , 2015, 41, 1247-1253.	0.9	13
88	Delivery of antisense oligonucleotides to neuroblastoma cells. <i>NeuroReport</i> , 2000, 11, 3117-3121.	0.6	12
89	Multifunctional Nanofibrous Dressing with Antimicrobial and Anti-Inflammatory Properties Prepared by Needle-Free Electrospinning. <i>Pharmaceutics</i> , 2021, 13, 1527.	2.0	11
90	The Association of Plain and Ligand- Bearing Neutral and Ph-Sensitive Liposomes with Various Cells. <i>Journal of Liposome Research</i> , 2000, 10, 43-59.	1.5	10

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91	The Hypotonic Environmental Changes Affect Liposomal Formulations for Nose-to-Brain Targeted Drug Delivery. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2570-2579.	1.6	10
92	Biofilm Responsive Zwitterionic Antimicrobial Nanoparticles to Treat Cutaneous Infection. <i>Biomacromolecules</i> , 2022, 23, 303-315.	2.6	10
93	Development of a novel beta-glucan supplemented hydrogel spray formulation and wound healing efficacy in a db/db diabetic mouse model. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 169, 280-291.	2.0	9
94	Influence of the environmental tonicity perturbations on the release of model compounds from large unilamellar vesicles (LUVs): A mechanistic investigation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 65-71.	2.5	8
95	Nucleic Acid Hybrids as Advanced Antibacterial Nanocarriers. <i>Pharmaceutics</i> , 2020, 12, 643.	2.0	8
96	Characterization of Liposomes Using Quantitative Phase Microscopy (QPM). <i>Pharmaceutics</i> , 2021, 13, 590.	2.0	8
97	The influence of ethnic origin on the skin photoageing: Nepalese study. <i>International Journal of Cosmetic Science</i> , 2011, 33, 553-559.	1.2	7
98	Drug loading to mesoporous silica carriers by solvent evaporation: A comparative study of amorphization capacity and release kinetics. <i>International Journal of Pharmaceutics</i> , 2021, 607, 120982.	2.6	7
99	Lipid-Based Nanopharmaceuticals in Antimicrobial Therapy. , 2017, , 111-152.		5
100	Electrospun Amphiphilic Nanofibers as Templates for In Situ Preparation of Chloramphenicol-Loaded Liposomes. <i>Pharmaceutics</i> , 2021, 13, 1742.	2.0	5
101	The pH-Responsive Liposomesâ€™ The Effect of PEGylation on Release Kinetics and Cellular Uptake in Glioblastoma Cells. <i>Pharmaceutics</i> , 2022, 14, 1125.	2.0	5
102	Curcumin: A Challenge in Cancer Treatment. <i>Journal of Nepal Pharmaceutical Association</i> , 2012, 26, 19-47.	0.5	3
103	Topical Delivery System for Phytochemicals: Capsaicin and Capsicum Tincture. <i>Journal of Pharmaceutics and Drug Development</i> , 2014, 1, .	0.1	3
104	Toxicity Assessment of Resveratrol Liposomes-in-Hydrogel Delivery System by EpiVaginalTM Tissue Model. <i>Pharmaceutics</i> , 2022, 14, 1295.	2.0	3
105	Nanoformulations for Vaginal Therapy. , 2017, , 183-221.		2
106	Molecular transfer to Atlantic salmon ovulated eggs using liposomes. <i>Aquaculture</i> , 2017, 479, 404-411.	1.7	2
107	Hydrogels as intrinsic antimicrobials. , 2020, , 309-328.		2
108	PP072. Development of polyphenols-containing nanoparticles for the treatment of vaginal inflammation. <i>Pregnancy Hypertension</i> , 2013, 3, 93-94.	0.6	1

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109	Cell-based in vitro models for vaginal permeability studies. , 2016, , 115-128.		1
110	Multi-moded high-index contrast optical waveguide for super-contrast high-resolution label-free microscopy. Nanophotonics, 2022, 11, 3421-3436.	2.9	1
111	Novel in situ gel-forming solid dosage form (gfSDF) prepared by the simple syringe-based moulding: A screening study. European Journal of Pharmaceutical Sciences, 2017, 105, 11-18.	1.9	0
112	Hydrogels for Vaginal Drug Delivery. , 2017, , 259-302.		0
113	Hydrogels for Vaginal Drug Delivery. , 2017, , 259-302.		0