

# S Narasimha Murthy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10747849/publications.pdf>

Version: 2024-02-01

95  
papers

2,171  
citations

201674

27  
h-index

289244

40  
g-index

98  
all docs

98  
docs citations

98  
times ranked

1890  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetophoresis for enhancing transdermal drug delivery: Mechanistic studies and patch design. <i>Journal of Controlled Release</i> , 2010, 148, 197-203.	9.9	91
2	Design, characterization and skin permeating potential of Fluocinolone acetonide loaded nanostructured lipid carriers for topical treatment of psoriasis. <i>Steroids</i> , 2015, 101, 56-63.	1.8	85
3	Iontophoretic Drug Delivery across Human Nail. <i>Journal of Pharmaceutical Sciences</i> , 2007, 96, 305-311.	3.3	83
4	Ungual and Transungual drug delivery. <i>Drug Development and Industrial Pharmacy</i> , 2012, 38, 901-911.	2.0	70
5	Ungual and trans-ungual iontophoretic delivery of terbinafine for the treatment of onychomycosis. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 4130-4140.	3.3	64
6	Delivery of Nerve Growth Factor to Brain Via Intranasal Administration and Enhancement of Brain Uptake. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 3640-3646.	3.3	61
7	Microbial Stability of Pharmaceutical and Cosmetic Products. <i>AAPS PharmSciTech</i> , 2018, 19, 60-78.	3.3	57
8	Iontophoretic permselective property of human nail. <i>Journal of Dermatological Science</i> , 2007, 46, 150-152.	1.9	53
9	Evaluation of carboxymethyl guar films for the formulation of transdermal therapeutic systems. <i>International Journal of Pharmaceutics</i> , 2004, 272, 11-18.	5.2	49
10	Trans-Ungual Iontophoretic Delivery of Terbinafine. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 1788-1796.	3.3	48
11	A Novel Approach for the Development of a Nanostructured Lipid Carrier Formulation by Hot-Melt Extrusion Technology. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1085-1091.	3.3	48
12	Transungual delivery of terbinafine by iontophoresis in onychomycotic nails. <i>Drug Development and Industrial Pharmacy</i> , 2011, 37, 1253-1258.	2.0	45
13	Development of an Ointment Formulation Using Hot-Melt Extrusion Technology. <i>AAPS PharmSciTech</i> , 2016, 17, 158-166.	3.3	45
14	Surfactant-enhanced transdermal delivery by electroporation. <i>Journal of Controlled Release</i> , 2004, 98, 307-315.	9.9	40
15	TranScreen-Na <sup>+</sup> : Method for rapid screening of trans-ungual drug delivery enhancers. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 4264-4271.	3.3	39
16	Effect of Polyethylene Glycols on the Trans-Ungual Delivery of Terbinafine. <i>Current Drug Delivery</i> , 2010, 7, 407-414.	1.6	39
17	Alteration of the diffusional barrier property of the nail leads to greater terbinafine drug loading and permeation. <i>International Journal of Pharmaceutics</i> , 2009, 375, 22-27.	5.2	38
18	Cyclodextrin enhanced transdermal delivery of piroxicam and carboxyfluorescein by electroporation. <i>Journal of Controlled Release</i> , 2004, 99, 393-402.	9.9	37

#	ARTICLE	IF	CITATIONS
19	An Ex Vivo Toe Model Used to Assess Applicators for the Iontophoretic Ungual Delivery of Terbinafine. <i>Pharmaceutical Research</i> , 2009, 26, 2194-2201.	3.5	37
20	Physical and chemical permeation enhancers in transdermal delivery of terbutaline sulphate. <i>AAPS PharmSciTech</i> , 2001, 2, 1-5.	3.3	34
21	Rapidly Dissolving Microneedle Patches for Transdermal Iron Replenishment Therapy. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 1642-1647.	3.3	34
22	pH influences the postpulse permeability state of skin after electroporation. <i>Journal of Controlled Release</i> , 2003, 93, 49-57.	9.9	33
23	A study on the effect of inorganic salts in transungual drug delivery of terbinafine. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 61, 431-437.	2.4	33
24	Bilayered Nail Lacquer of Terbinafine Hydrochloride for Treatment of Onychomycosis. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 4267-4276.	3.3	31
25	Transcutaneous electroporation mediated delivery of doxepin-HPCD complex: A sustained release approach for treatment of postherpetic neuralgia. <i>Journal of Controlled Release</i> , 2010, 142, 361-367.	9.9	30
26	Development of poloxamer gel formulations via hot-melt extrusion technology. <i>International Journal of Pharmaceutics</i> , 2018, 537, 122-131.	5.2	30
27	Delivery of ziconotide to cerebrospinal fluid via intranasal pathway for the treatment of chronic pain. <i>Journal of Controlled Release</i> , 2016, 224, 69-76.	9.9	29
28	Magnetophoresis in combination with chemical enhancers for transdermal drug delivery. <i>Drug Development and Industrial Pharmacy</i> , 2011, 37, 1076-1082.	2.0	26
29	Transdermal iontophoretic delivery of a liquid lipophilic drug by complexation with an anionic cyclodextrin. <i>Journal of Controlled Release</i> , 2014, 189, 11-18.	9.9	26
30	Synergistic effect of anionic lipid enhancer and electroosmosis for transcutaneous delivery of insulin. <i>International Journal of Pharmaceutics</i> , 2006, 326, 1-6.	5.2	24
31	Upregulation of Endogenous Neurotrophin Levels in the Brain by Intranasal Administration of Carnosic Acid. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 3139-3145.	3.3	24
32	Iontophoresis Across the Proximal Nail Fold to Target Drugs to the Nail Matrix. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 2392-2397.	3.3	24
33	Micronized Zaleplon Delivery via Orodispersible Film and Orodispersible Tablets. <i>AAPS PharmSciTech</i> , 2018, 19, 1358-1366.	3.3	24
34	Temperature Influences the Postelectroporation Permeability State of the Skin. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 908-915.	3.3	23
35	Development of lysozyme loaded microneedles for dermal applications. <i>International Journal of Pharmaceutics</i> , 2021, 593, 120104.	5.2	23
36	Emerging therapies for the treatment of unguinal onychomycosis. <i>Drug Development and Industrial Pharmacy</i> , 2015, 41, 1575-1581.	2.0	22

#	ARTICLE	IF	CITATIONS
37	Transdermal Delivery of Iron Using Soluble Microneedles: Dermal Kinetics and Safety. Journal of Pharmaceutical Sciences, 2016, 105, 1196-1200.	3.3	22
38	Electroporation and transcutaneous extraction (ETE) for pharmacokinetic studies of drugs. Journal of Controlled Release, 2005, 105, 132-141.	9.9	21
39	Pretreatment with Skin Permeability Enhancers: Importance of Duration and Composition on the Delivery of Diclofenac Sodium. Journal of Pharmaceutical Sciences, 2014, 103, 1497-1503.	3.3	21
40	Iontophoresis for drug delivery into the nail apparatus: exploring hyponychium as the site of delivery. Drug Development and Industrial Pharmacy, 2016, 42, 1678-1682.	2.0	21
41	Evaluation of soluble fentanyl microneedles for loco-regional anti-nociceptive activity. International Journal of Pharmaceutics, 2019, 564, 485-491.	5.2	21
42	Lipid and Electroosmosis Enhanced Transdermal Delivery of Insulin by Electroporation. Journal of Pharmaceutical Sciences, 2006, 95, 2041-2050.	3.3	19
43	Transdermal drug delivery enhanced by low voltage electropulsation (LVE). Pharmaceutical Development and Technology, 2009, 14, 159-164.	2.4	19
44	Microporation and "Iron"™tophoresis for Treating Iron Deficiency Anemia. Pharmaceutical Research, 2013, 30, 889-898.	3.5	19
45	Novel Redox-Responsive Amphiphilic Copolymer Micelles for Drug Delivery: Synthesis and Characterization. AAPS Journal, 2015, 17, 1357-1368.	4.4	19
46	Optimization of sulfobutyl-ether-β-cyclodextrin levels in oral formulations to enhance progesterone bioavailability. International Journal of Pharmaceutics, 2021, 596, 120212.	5.2	19
47	Clinical pharmacokinetic and pharmacodynamic evaluation of transdermal drug delivery systems of salbutamol sulfate. International Journal of Pharmaceutics, 2004, 287, 47-53.	5.2	18
48	Delivery of cefotaxime to the brain via intranasal administration. Drug Development and Industrial Pharmacy, 2011, 37, 1306-1310.	2.0	18
49	Formulation and evaluation of carnolic acid nanoparticulate system for upregulation of neurotrophins in the brain upon intranasal administration. Journal of Drug Targeting, 2013, 21, 44-53.	4.4	18
50	Irontophoresis™: Transdermal Delivery of Iron by Iontophoresis. Journal of Pharmaceutical Sciences, 2009, 98, 2670-2676.	3.3	17
51	Trans-ungual delivery of itraconazole hydrochloride by iontophoresis. Drug Development and Industrial Pharmacy, 2015, 41, 1089-1094.	2.0	17
52	A Novel Apremilast Nail Lacquer Formulation for the Treatment of Nail Psoriasis. AAPS PharmSciTech, 2017, 18, 2949-2956.	3.3	17
53	Trans-ungual Delivery of AR-12, a Novel Antifungal Drug. AAPS PharmSciTech, 2017, 18, 2702-2705.	3.3	17
54	A quality by design approach to develop topical creams via hot-melt extrusion technology. European Journal of Pharmaceutical Sciences, 2019, 136, 104948.	4.0	17

#	ARTICLE	IF	CITATIONS
55	Formulation and Evaluation of Controlled-Release Transdermal Patches of Theophylline-Salbutamol Sulfate. <i>Drug Development and Industrial Pharmacy</i> , 2001, 27, 1057-1062.	2.0	16
56	Transdermal Iontophoretic Delivery of Propofol: A General Anaesthetic in the Form of its Phosphate Salt. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 500-507.	3.3	16
57	Iontophoretic Drug Delivery for the Treatment of Scars. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 1638-1642.	3.3	16
58	Noninvasive Transcutaneous Sampling of Glucose by Electroporation. <i>Journal of Diabetes Science and Technology</i> , 2008, 2, 250-254.	2.2	15
59	Controlled-release injectable containing Terbinafine/PLGA microspheres for Onychomycosis Treatment. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 1178-1183.	3.3	15
60	Minimally Invasive Transdermal Delivery of Iron-Dextran. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 987-993.	3.3	14
61	Preparation and evaluation of cefuroxime axetil gastro-retentive floating drug delivery system via hot melt extrusion technology. <i>International Journal of Pharmaceutics</i> , 2019, 566, 520-531.	5.2	14
62	ChilDrive: A Technique of Combining Regional Cutaneous Hypothermia with Iontophoresis for the Delivery of Drugs to Synovial Fluid. <i>Pharmaceutical Research</i> , 2009, 26, 2535-2540.	3.5	13
63	In vitro and in vivo evaluation of a hydrogel-based prototype transdermal patch system of alfuzosin hydrochloride. <i>Pharmaceutical Development and Technology</i> , 2012, 17, 158-163.	2.4	12
64	Dermal Drug Levels of Antibiotic (Cephalexin) Determined by Electroporation and Transcutaneous Sampling (ETS) Technique. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 2677-2685.	3.3	11
65	Constant voltage Iontophoresis. <i>Pharmaceutical Development and Technology</i> , 2011, 16, 483-488.	2.4	11
66	RP-HPLC method for simultaneous estimation of vigabatrin, gamma-aminobutyric acid and taurine in biological samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1076, 44-53.	2.3	11
67	Effect of terpenes on transdermal iontophoretic delivery of diclofenac potassium under constant voltage. <i>Pharmaceutical Development and Technology</i> , 2018, 23, 806-814.	2.4	11
68	Pluronic-based dual-stimuli sensitive polymers capable of thermal gelation and pH-dependent degradation for in situ biomedical application. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46552.	2.6	9
69	Effect of Mild Hyperthermia on Transdermal Absorption of Nicotine from Patches. <i>AAPS PharmSciTech</i> , 2019, 20, 77.	3.3	9
70	Approaches for Delivery of Drugs Topically. <i>AAPS PharmSciTech</i> , 2020, 21, 30.	3.3	9
71	Enhancement of nose-brain delivery of therapeutic agents for treating neurodegenerative diseases using peppermint oil. <i>Die Pharmazie</i> , 2010, 65, 690-2.	0.5	9
72	Polymer Coated Polymeric (PCP) microneedles for sampling of drugs and biomarkers from tissues. <i>European Journal of Pharmaceutical Sciences</i> , 2022, 175, 106203.	4.0	9

#	ARTICLE	IF	CITATIONS
73	Transcutaneous sampling of ciprofloxacin and 8-methoxypsoralen by electroporation (ETS technique). International Journal of Pharmaceutics, 2009, 369, 24-29.	5.2	8
74	A Rapid Tool to Optimize Process Variables for Continuous Manufacturing of Metronidazole Ointment Using Melt Extrusion Technique. AAPS PharmSciTech, 2020, 21, 273.	3.3	8
75	Polymer Coated Polymeric (PCP) Microneedles for Controlled Delivery of Drugs (Dermal and Tj ETQq1 1 0.784314 rgBT /Overglock 10	3.3	8
76	Quinone propionic acidâ€based redoxâ€triggered polymer nanoparticles for drug delivery: Computational analysis and <i>in vitro</i> evaluation. Journal of Applied Polymer Science, 2014, 131, .	2.6	7
77	Transdermal iron replenishment therapy. Therapeutic Delivery, 2015, 6, 661-668.	2.2	7
78	Excipient Stability: a Critical Aspect in Stability of Pharmaceuticals. AAPS PharmSciTech, 2018, 19, 11-11.	3.3	7
79	Role of Taurine Transporter in the Retinal Uptake of Vigabatrin. AAPS PharmSciTech, 2020, 21, 196.	3.3	7
80	Development and characterization of Novel topical oil/PEG creams of voriconazole for the treatment of fungal infections. Journal of Drug Delivery Science and Technology, 2021, 66, 102928.	3.0	7
81	Iontophoresis for treating nail diseases. Therapeutic Delivery, 2013, 4, 647-650.	2.2	6
82	A sensitive bioanalytical method for quantitative determination of resiniferatoxin in rat plasma using ultra-high performance liquid chromatography coupled to tandem mass spectrometry and its application in pharmacokinetic study. Journal of Pharmaceutical and Biomedical Analysis, 2019, 165, 284-291.	2.8	6
83	Effect of surfactant on quality and performance attributes of topical semisolids. International Journal of Pharmaceutics, 2021, 596, 120210.	5.2	5
84	Development and Validation of HPLC Method for Efinaconazole: Application to Human Nail Permeation Studies. AAPS PharmSciTech, 2022, 23, 63.	3.3	5
85	Electroporation and transcutaneous sampling (ETS) of acyclovir. Journal of Dermatological Science, 2008, 49, 249-251.	1.9	4
86	Albumin microspheres for oral delivery of iron. Journal of Drug Targeting, 2010, 18, 36-44.	4.4	4
87	Iontophoretic Mediated Intraarticular Delivery of Deformable Liposomes of Diclofenac Sodium. Current Drug Delivery, 2021, 18, 421-432.	1.6	3
88	Chemotherapeutic Agent-Induced Vulvodynia, an Experimental Model. AAPS PharmSciTech, 2021, 22, 95.	3.3	2
89	OcuDrain-Eâ„¢A noninvasive technique for reduction of intraocular pressure. International Journal of Pharmaceutics, 2009, 369, 92-95.	5.2	1
90	Antiallodynic and Antihyperalgesic Activities of Fentanyl-Loaded Dermal Clay Dressings in Rat Model of Second-Degree Burn Injury. Journal of Pharmaceutical Sciences, 2018, 107, 2628-2634.	3.3	1

#	ARTICLE	IF	CITATIONS
91	Therapeutic Applications of Electroporation. , 2017, , 123-137.		1
92	N-octyl-beta-thioglucoside enhances the transdermal permeation of ketotifen. Die Pharmazie, 2006, 61, 75-6.	0.5	1
93	Biophysical techniques for transdermal delivery of iron. Journal of Drug Delivery Science and Technology, 2014, 24, 289-291.	3.0	0
94	Bioadhesive tablets for controlled transdermal delivery of drugs. PDA Journal of Pharmaceutical Science and Technology, 2005, 59, 355-9.	0.5	0
95	Convective Solvent Transport Pathways for Absorption of Drugs from Topical Formulation. AAPS PharmSciTech, 2022, 23, .	3.3	0