

Pao-Chu Wu

List of Publications by Year in descending order

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79
papers

1,835
citations

257101

24
h-index

301761

39
g-index

80
all docs

80
docs citations

80
times ranked

1774
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro skin permeation of estradiol from various proniosome formulations. <i>International Journal of Pharmaceutics</i> , 2001, 215, 91-99.	2.6	203
2	Topical delivery of 5-aminolevulinic acid-encapsulated ethosomes in a hyperproliferative skin animal model using the CLSM technique to evaluate the penetration behavior. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 73, 391-398.	2.0	107
3	Once-daily propranolol extended-release tablet dosage form: formulation design and in vitro/in vivo investigation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004, 58, 607-614.	2.0	102
4	In vitro permeation and in vivo whitening effect of topical hesperetin microemulsion delivery system. <i>International Journal of Pharmaceutics</i> , 2010, 388, 257-262.	2.6	90
5	Optimization of pH-independent release of nicardipine hydrochloride extended-release matrix tablets using response surface methodology. <i>International Journal of Pharmaceutics</i> , 2005, 289, 87-95.	2.6	80
6	Formulation optimization of meloxicam sodium gel using response surface methodology. <i>International Journal of Pharmaceutics</i> , 2007, 338, 48-54.	2.6	51
7	Using Carbomer-Based Hydrogels for Control the Release Rate of Diclofenac Sodium: Preparation and In Vitro Evaluation. <i>Pharmaceutics</i> , 2020, 13, 399.	1.7	49
8	Preparation and Characterization of Naringenin-Loaded Elastic Liposomes for Topical Application. <i>PLoS ONE</i> , 2015, 10, e0131026.	1.1	47
9	Fabrication and Characterization of Diclofenac Sodium Loaded Hydrogels of Sodium Alginate as Sustained Release Carrier. <i>Gels</i> , 2021, 7, 10.	2.1	45
10	Microemulsion formulation design and evaluation for hydrophobic compound: Catechin topical application. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 121-128.	2.5	42
11	Nanocarriers enhance the transdermal bioavailability of resveratrol: In-vitro and in-vivo study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 650-656.	2.5	39
12	The Effect of Nanoemulsion as a Carrier of Hydrophilic Compound for Transdermal Delivery. <i>PLoS ONE</i> , 2014, 9, e102850.	1.1	35
13	Development and characterization of pH-sensitive chondroitin sulfate-co-poly(acrylic acid) hydrogels for controlled release of diclofenac sodium. <i>Journal of Saudi Chemical Society</i> , 2021, 25, 101212.	2.4	35
14	Simultaneous optimization based on artificial neural networks in ketoprofen hydrogel formula containing O-ethyl-3-butylcyclohexanol as percutaneous absorption enhancer. <i>Journal of Pharmaceutical Sciences</i> , 2001, 90, 1004-1014.	1.6	34
15	A Formulation Study of 5-Aminolevulinic Encapsulated in DPPC Liposomes in Melanoma Treatment. <i>International Journal of Medical Sciences</i> , 2016, 13, 483-489.	1.1	34
16	Design and evaluation of sustained release microspheres of potassium chloride prepared by Eudragit®. <i>European Journal of Pharmaceutical Sciences</i> , 2003, 19, 115-122.	1.9	33
17	Optimization of Sustained-Release Propranolol Dosage form Using Factorial Design and Response Surface Methodology. <i>Biological and Pharmaceutical Bulletin</i> , 2004, 27, 1626-1629.	0.6	33
18	Evaluation of percutaneous absorption and skin irritation of ketoprofen through rat skin: in vitro and in vivo study. <i>International Journal of Pharmaceutics</i> , 2001, 222, 225-235.	2.6	30

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19	In vitro and in vivo evaluation of potassium chloride sustained release formulation prepared with saturated polyglycolyded glycerides matrices. <i>International Journal of Pharmaceutics</i> , 2002, 243, 119-124.	2.6	30
20	The Effect of Component of Microemulsions on Transdermal Delivery of Buspirone Hydrochloride. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 2358-2365.	1.6	29
21	Anti-oxidant activity and attenuation of bladder hyperactivity by the flavonoid compound kaempferol. <i>International Journal of Urology</i> , 2014, 21, 94-98.	0.5	29
22	Percutaneous Absorption of Capsaicin and Its Derivatives. <i>Drug Development and Industrial Pharmacy</i> , 1994, 20, 719-730.	0.9	26
23	The characterization and biodistribution of cefoxitin-loaded liposomes. <i>International Journal of Pharmaceutics</i> , 2004, 271, 31-39.	2.6	26
24	Preparation and evaluation of submicron-carriers for naringenin topical application. <i>International Journal of Pharmaceutics</i> , 2015, 481, 84-90.	2.6	26
25	Evaluation of pharmacokinetics and pharmacodynamics of captopril from transdermal hydrophilic gels in normotensive rabbits and spontaneously hypertensive rats. <i>International Journal of Pharmaceutics</i> , 2000, 209, 87-94.	2.6	22
26	Co-Delivery of Cisplatin and Gemcitabine via Viscous Nanoemulsion for Potential Synergistic Intravesical Chemotherapy. <i>Pharmaceutics</i> , 2020, 12, 949.	2.0	22
27	Percutaneous absorption and skin erythema: Quantification of capsaicin and its synthetic derivatives from gels incorporated with benzalkonium chloride by using non-invasive bioengineering methods. <i>Drug Development Research</i> , 1997, 40, 56-67.	1.4	21
28	Percutaneous Absorption of Captopril from Hydrophilic Cellulose Derivatives Through Excised Rabbit Skin and Human Skin. <i>Drug Development and Industrial Pharmacy</i> , 1998, 24, 179-182.	0.9	21
29	Effect of antioxidants and anti-irritants on the stability, skin irritation and penetration capacity of captopril gel. <i>International Journal of Pharmaceutics</i> , 2002, 241, 345-351.	2.6	21
30	Preparation and evaluation of sustained release microspheres of potassium chloride prepared with ethylcellulose. <i>International Journal of Pharmaceutics</i> , 2003, 260, 115-121.	2.6	21
31	Effect of microemulsions on transdermal delivery of citalopram: optimization studies using mixture design and response surface methodology. <i>International Journal of Nanomedicine</i> , 2013, 8, 2295.	3.3	19
32	Protective effects of Liuwei dihuang water extracts on diabetic muscle atrophy. <i>Phytomedicine</i> , 2019, 53, 96-106.	2.3	18
33	Preparation and Evaluation of Azelaic Acid Topical Microemulsion Formulation: In Vitro and In Vivo Study. <i>Pharmaceutics</i> , 2021, 13, 410.	2.0	18
34	Preparation and In Vitro Evaluation of Aspartic/Alginate Acid Based Semi-Interpenetrating Network Hydrogels for Controlled Release of Ibuprofen. <i>Gels</i> , 2021, 7, 68.	2.1	18
35	Fabrication of polyethylene glycol hydrogels with enhanced swelling; loading capacity and release kinetics. <i>Polymer Bulletin</i> , 2022, 79, 5389-5415.	1.7	18
36	The effect of component of microemulsion for transdermal delivery of nicardipine hydrochloride. <i>Drug Development and Industrial Pharmacy</i> , 2010, 36, 1398-1403.	0.9	17

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37	Evaluation of Topical Application of Clobetasol 17-Propionate from Various Cream Bases. Drug Development and Industrial Pharmacy, 1999, 25, 7-14.	0.9	16
38	Preparation, Characterization, Swelling Potential, and In-Vitro Evaluation of Sodium Poly(Styrene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2021, 14, 350.	1.7	16
39	The Effect of Submicron Emulsion Systems on Transdermal Delivery of Kaempferol. Chemical and Pharmaceutical Bulletin, 2012, 60, 1171-1175.	0.6	15
40	Fabrication of alginate based microgels for drug-sustained release: In-vitro and in-vivo evaluation. International Journal of Biological Macromolecules, 2021, 192, 958-966.	3.6	15
41	In Vitro Study of Transdermal Nicotine Delivery: Influence of Rate-Controlling Membranes and Adhesives. Drug Development and Industrial Pharmacy, 1999, 25, 789-794.	0.9	14
42	The Effect of Component of Cream for Topical Delivery of Hesperetin. Chemical and Pharmaceutical Bulletin, 2010, 58, 611-614.	0.6	14
43	Development and validation of an in vitro-in vivo correlation (IVVC) model for propranolol hydrochloride extended-release matrix formulations. Journal of Food and Drug Analysis, 2014, 22, 257-263.	0.9	14
44	Fabrication and In Vitro Evaluation of pH-Sensitive Polymeric Hydrogels as Controlled Release Carriers. Gels, 2021, 7, 110.	2.1	14
45	Microemulsions for Intravesical Delivery of Gemcitabine. Chemical and Pharmaceutical Bulletin, 2010, 58, 1461-1465.	0.6	13
46	Improved skin permeability and whitening effect of catechin-loaded transfersomes through topical delivery. International Journal of Pharmaceutics, 2021, 607, 121030.	2.6	13
47	Influence of Electrical and Chemical Factors on Transdermal Iontophoretic Delivery of Three Diclofenac Salts.. Biological and Pharmaceutical Bulletin, 2001, 24, 390-394.	0.6	11
48	Association of COVID-19 vaccination with herpes zoster: a systematic review and meta-analysis. Expert Review of Vaccines, 2022, 21, 601-608.	2.0	11
49	Designing of pH-Sensitive Hydrogels for Colon Targeted Drug Delivery; Characterization and In Vitro Evaluation. Gels, 2022, 8, 155.	2.1	11
50	The Effect of Mixed-Solvent and Terpenes on Percutaneous Absorption of Meloxicam Gel. Drug Development and Industrial Pharmacy, 2007, 33, 984-989.	0.9	10
51	Formulation Optimization of Estradiol Microemulsion Using Response Surface Methodology. Journal of Pharmaceutical Sciences, 2011, 100, 4383-4389.	1.6	10
52	Optimization and Validation of High-Performance Chromatographic Condition for Simultaneous Determination of Adapalene and Benzoyl Peroxide by Response Surface Methodology. PLoS ONE, 2015, 10, e0120171.	1.1	10
53	Designing of pH-responsive ketorolac tromethamine loaded hydrogels of alginate acid: Characterization, in-vitro and in-vivo evaluation. Arabian Journal of Chemistry, 2022, 15, 103590.	2.3	10
54	Amsacrine analog-loaded solid lipid nanoparticle to resolve insolubility for injection delivery: characterization and pharmacokinetics. Drug Design, Development and Therapy, 2016, 10, 1019.	2.0	9

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55	Formulation and In-Vitro Characterization of pH-Responsive Semi-Interpenetrating Polymer Network Hydrogels for Controlled Release of Ketorolac Tromethamine. <i>Gels</i> , 2021, 7, 167.	2.1	9
56	Evaluation of ketoprofen formulations via penetration rate and irritation in vivo study. <i>International Journal of Pharmaceutics</i> , 2007, 339, 47-51.	2.6	8
57	Using Microemulsion as Carrier for Drug Transdermal Delivery: The Effect of Surfactants and Cosurfactants. <i>Current Pharmaceutical Design</i> , 2019, 25, 1052-1058.	0.9	8
58	Enhancement of the Topical Bioavailability and Skin Whitening Effect of Genistein by Using Microemulsions as Drug Delivery Carriers. <i>Pharmaceutics</i> , 2021, 14, 1233.	1.7	8
59	Formulation, Characterization, and In Vitro Drug Release Study of β -Cyclodextrin-Based Smart Hydrogels. <i>Gels</i> , 2022, 8, 207.	2.1	8
60	The Influence of Anti-irritants on Captopril Hydrophilic Gel. <i>Drug Development and Industrial Pharmacy</i> , 2004, 30, 163-169.	0.9	7
61	Isotretinoin Oil-Based Capsule Formulation Optimization. <i>Scientific World Journal, The</i> , 2013, 2013, 1-6.	0.8	7
62	Percutaneous Absorption of Piroxicam from Fapg Base Through Rat Skin: Effects of Oleic Acid and Saturated Fatty Acid Added to Fapg Base. <i>Drug Development and Industrial Pharmacy</i> , 1994, 20, 1425-1437.	0.9	6
63	Highly sensitive analysis of the anti-tumor agent 1-[4-(furo[2,3-b]quinolin-4-ylamino)phenyl]ethanone in rat plasma by high-performance liquid chromatography using electrochemical detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 38, 551-555.	1.4	6
64	A Novel Model for Studying Voltage-Gated Ion Channel Gene Expression during Reversible Ischemic Stroke. <i>International Journal of Medical Sciences</i> , 2019, 16, 60-67.	1.1	6
65	In Vitro Evaluation of Smart and pH-Sensitive Chondroitin Sulfate/Sodium Polystyrene Sulfonate Hydrogels for Controlled Drug Delivery. <i>Gels</i> , 2022, 8, 406.	2.1	6
66	The transport effect of submicron emulsions on 5-fluorouracil topical application. <i>Journal of Microencapsulation</i> , 2013, 30, 425-431.	1.2	5
67	Synthesis and In Vitro Evaluation of Aspartic Acid Based Microgels for Sustained Drug Delivery. <i>Gels</i> , 2022, 8, 12.	2.1	5
68	Influence of formulation variables and manufacturing process on propranolol extended release profile from HPMC matrices tablets. <i>Journal of Applied Polymer Science</i> , 2004, 93, 1886-1890.	1.3	4
69	Highly Sensitive Quantitative Analysis of 1-[3-(Furo[3,2-c]quinolin-4-ylamino)phenyl]ethanone Oxime, a New Antitumor Agent, in Rat Plasma by LC with Electrochemical Detection. <i>Chromatographia</i> , 2009, 70, 265-269.	0.7	4
70	Formulation Optimization of Arecoline Patches. <i>Scientific World Journal, The</i> , 2014, 2014, 1-7.	0.8	4
71	Effects of the Administration of Ketoprofen gel on the Percutaneous Absorption of Ketoprofen in Rabbits. <i>Drug Development and Industrial Pharmacy</i> , 1994, 20, 1093-1101.	0.9	3
72	Synthesis, Characterization, In-Vitro and In-Vivo Evaluation of Ketorolac Tromethamine-Loaded Hydrogels of Glutamic Acid as Controlled Release Carrier. <i>Polymers</i> , 2021, 13, 3541.	2.0	3

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73	Fabrication, characterization and toxicological evaluation of polyethylene glycol/sodium polystyrene sulfonate hydrogels for controlled delivery of Acetaminophen. <i>Journal of Materials Research and Technology</i> , 2022, 19, 3073-3087.	2.6	3
74	Formulation optimization of transdermal meloxicam potassium-loaded mesomorphic phases containing ethanol, oleic acid and mixture surfactant using the statistical experimental design methodology. <i>Journal of Microencapsulation</i> , 2011, 28, 508-514.	1.2	2
75	Gel-Based Nanocarrier for Intravesical Chemotherapy Delivery: In Vitro and In Vivo Study. <i>Pharmaceuticals</i> , 2020, 13, 329.	1.7	2
76	Gel-based Microemulsion Design and Evaluation for Topical Application of Rivastigmine. <i>Current Pharmaceutical Biotechnology</i> , 2020, 21, 298-304.	0.9	2
77	Orabase-Formulated Benzalkonium Chloride Effectively Suppressed Oral Potentially Malignant Disorder In Vitro and In Vivo. <i>ACS Omega</i> , 2020, 5, 7018-7024.	1.6	1
78	Fabrication, optimisation and evaluation of cisplatin-loaded nanostructured carriers for improved urothelium permeability for intravesical administration. <i>Journal of Microencapsulation</i> , 2021, 38, 405-413.	1.2	1
79	Protective effects of the water extract of Liuwei dihuang on methylglyoxal-induced atrophy in myotubes. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, P01-9-35.	0.0	0