

# Wang Wei

## List of Publications by Year in descending order

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84  
papers

1,940  
citations

218677

26  
h-index

330143

37  
g-index

85  
all docs

85  
docs citations

85  
times ranked

1572  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionic liquids in transdermal drug delivery system: Current applications and future perspectives. <i>Chinese Chemical Letters</i> , 2023, 34, 107631.	9.0	7
2	Effect of the combination of permeation enhancer and ion-pairs strategies on transdermal delivery of tofacitinib. <i>International Journal of Pharmaceutics</i> , 2022, 611, 121190.	5.2	7
3	Sustainable and efficient skin absorption behaviour of transdermal drug: The effect of the release kinetics of permeation enhancer. <i>International Journal of Pharmaceutics</i> , 2022, 612, 121377.	5.2	13
4	A Systematic Quantitative Evaluation of Permeation Enhancement Window: Transdermal Permeation Enhancing Dynamics Establishment and Molecular Mechanisms Characterization of Permeation Enhancer. <i>Journal of Pharmaceutical Sciences</i> , 2022, , .	3.3	2
5	Transdermal Enhancement Strategy of Lappaconitine: Alteration of Keratin Configuration by Counter-Ion. <i>AAPS PharmSciTech</i> , 2022, 23, 61.	3.3	1
6	PF-PLC micelles ameliorate cholestatic liver injury via regulating TLR4/MyD88/NF- $\kappa$ B and PXR/CAR/UGT1A1 signaling pathways in EE-induced rats. <i>International Journal of Pharmaceutics</i> , 2022, 615, 121480.	5.2	7
7	Roles of molecular interaction and mobility on loading capacity and release rate of drug-ionic liquid in long-acting controlled release transdermal patch. <i>Journal of Molecular Liquids</i> , 2022, 352, 118752.	4.9	12
8	Alternative therapy of rheumatoid arthritis with a novel transdermal patch containing Siegesbeckiae Herba extract. <i>Journal of Ethnopharmacology</i> , 2021, 265, 113294.	4.1	24
9	Enhanced Drug Loading in the Drug-in-Adhesive Transdermal Patch Utilizing a Drug- $\kappa$ Ionic Liquid Strategy: Insight into the Role of Ionic Hydrogen Bonding. <i>Molecular Pharmaceutics</i> , 2021, 18, 1157-1166.	4.6	29
10	Artesunate: A natural product-based immunomodulator involved in human complement. <i>Biomedicine and Pharmacotherapy</i> , 2021, 136, 111234.	5.6	5
11	An investigation on percutaneous permeation of flurbiprofen enantiomers: The role of molecular interaction between drug and skin components. <i>International Journal of Pharmaceutics</i> , 2021, 601, 120503.	5.2	20
12	Development of long-acting rivastigmine drug-in-adhesive patch utilizing ion-pair strategy and characterization of controlled release mechanism. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 161, 105774.	4.0	21
13	Effect of Chemical Penetration Enhancer-Adhesive Interaction on Drug Release from Transdermal Patch: Mechanism Study Based on FT-IR Spectroscopy, $^{13}\text{C}$ NMR Spectroscopy, and Molecular Simulation. <i>AAPS PharmSciTech</i> , 2021, 22, 198.	3.3	7
14	The molecular design of drug-ionic liquids for transdermal drug delivery: Mechanistic study of counterions structure on complex formation and skin permeation. <i>International Journal of Pharmaceutics</i> , 2021, 602, 120560.	5.2	27
15	An investigation on the effect of drug physicochemical properties on the enhancement strength of enhancer: The role of drug-skin-enhancer interactions. <i>International Journal of Pharmaceutics</i> , 2021, 607, 120945.	5.2	16
16	A molecular mechanism investigation of the transdermal/topical absorption classification system on the basis of drug skin permeation and skin retention. <i>International Journal of Pharmaceutics</i> , 2021, 608, 121082.	5.2	18
17	Development of a w/o emulsion using ionic liquid strategy for transdermal delivery of anti-aging component $\alpha$ -lipoic acid: Mechanism of different ionic liquids on skin retention and efficacy evaluation. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 141, 105042.	4.0	24
18	Probing the Role of Ion-Pair Strategy in Controlling Dexmedetomidine Penetrate Through Drug-in-Adhesive Patch: Mechanistic Insights Based on Release and Percutaneous Absorption Process. <i>AAPS PharmSciTech</i> , 2020, 21, 4.	3.3	12

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19	Mechanistic insights of the controlled release capacity of polar functional group in transdermal drug delivery system: the relationship of hydrogen bonding strength and controlled release capacity. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 928-945.	12.0	33
20	The Improved Cargo Loading and Physical Stability of Ibuprofen Orodispersible Film: Molecular Mechanism of Ion-Pair Complexes on Drug-Polymer Miscibility. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 1356-1364.	3.3	10
21	Mechanistic Insights of the Critical Role of Hydrogen Donor in Controlling Drug Release From Acrylate Adhesive. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 1096-1104.	3.3	7
22	Dicarboxylic acid as a linker to improve the content of amorphous drug in drug-in-polymer film: Effects of molecular mobility, electrical conductivity and intermolecular interactions. <i>Journal of Controlled Release</i> , 2020, 317, 142-153.	9.9	22
23	Investigation on the effect of deep eutectic formation on drug-polymer miscibility and skin permeability of rotigotine drug-in-adhesive patch. <i>International Journal of Pharmaceutics</i> , 2020, 574, 118852.	5.2	16
24	Development and Evaluation of Cucurbitacin B Microemulsion: the Effect of Oil Phase and Aqueous Phase on Drug Percutaneous Absorption Based on ATR-FTIR Spectroscopy and Molecular Modeling. <i>AAPS PharmSciTech</i> , 2020, 21, 258.	3.3	3
25	A systematic approach to determination of permeation enhancer action efficacy and sites: Molecular mechanism investigated by quantitative structure-activity relationship. <i>Journal of Controlled Release</i> , 2020, 322, 1-12.	9.9	48
26	Molecular mechanism of high capacity-high release transdermal drug delivery patch with carboxyl acrylate polymer: Roles of ion-ion repulsion and hydrogen bond. <i>International Journal of Pharmaceutics</i> , 2020, 585, 119376.	5.2	14
27	Development of Tizanidine Drug-in-Adhesive Patch: Molecular Mechanism of Permeation Enhancer on Regulating Miscibility and Drug Release by Affecting the Status of Ion-Pair in Polymer Matrix. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 2501-2511.	3.3	2
28	A donepezil/cyclodextrin complexation orodispersible film: Effect of cyclodextrin on taste-masking based on dynamic process and in vivo drug absorption. <i>Asian Journal of Pharmaceutical Sciences</i> , 2019, 14, 183-192.	9.1	39
29	Investigation of the permeation enhancer strategy on benzoyleconitine transdermal patch: the relationship between transdermal enhancement strength and physicochemical properties of permeation enhancer. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 138, 105009.	4.0	17
30	Investigation of Controlled Release Molecular Mechanism of Oil Phase in Spilanthal Emulsion: Development and In Vitro, In Vivo Characterization. <i>AAPS PharmSciTech</i> , 2019, 20, 227.	3.3	4
31	Transdermal enhancement strategy of ketoprofen and teriflunomide: The effect of enhanced drug-drug intermolecular interaction by permeation enhancer on drug release of compound transdermal patch. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118800.	5.2	16
32	Investigation of Effect of Isopropyl Palmitate on Drug Release from Transdermal Patch and Molecular Dynamics Study. <i>AAPS PharmSciTech</i> , 2019, 20, 174.	3.3	8
33	Continuous production of celecoxib nanoparticles using a three-dimensional-coaxial-flow microfluidic platform. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118831.	5.2	8
34	The role of carboxyl group of pressure sensitive adhesive in controlled release of propranolol in transdermal patch: Quantitative determination of ionic interaction and molecular mechanism characterization. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 115, 330-338.	4.0	35
35	Investigating the role of ion-pair strategy in regulating nicotine release from patch: Mechanistic insights based on intermolecular interaction and mobility of pressure sensitive adhesive. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 119, 102-111.	4.0	26
36	Mechanistic insights of the controlled release properties of amide adhesive and hydroxyl adhesive. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 119, 13-21.	4.0	13

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37	Effect of drug-ion exchange resin complex in betahistine hydrochloride orodispersible film on sustained release, taste masking and hygroscopicity reduction. <i>International Journal of Pharmaceutics</i> , 2018, 545, 163-169.	5.2	26
38	Molecular mechanism of ion-pair releasing from acrylic pressure sensitive adhesive containing carboxyl group: Roles of doubly ionic hydrogen bond in the controlled release process of bisoprolol ion-pair. <i>Journal of Controlled Release</i> , 2018, 289, 146-157.	9.9	39
39	Investigation of molecular mobility of pressure-sensitive-adhesive in oxybutynin patch in vitro and in vivo : Effect of sorbitan monooleate on drug release and patch mechanical property. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 122, 116-124.	4.0	21
40	Investigation of the enhancement effect of the natural transdermal permeation enhancers from <i>Ledum palustre</i> L. var. <i>angustum</i> N. Busch: Mechanistic insight based on interaction among drug, enhancers and skin. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 124, 105-113.	4.0	17
41	Development of a daphnetin transdermal patch using chemical enhancer strategy: insights of the enhancement effect of Transcutol P and the assessment of pharmacodynamics. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 1642-1649.	2.0	16
42	Time dependence of the enhancement effect of chemical enhancers: Molecular mechanisms of enhancing kinetics. <i>Journal of Controlled Release</i> , 2017, 248, 33-44.	9.9	58
43	A systemic evaluation of drug in acrylic pressure sensitive adhesive patch in vitro and in vivo : The roles of intermolecular interaction and adhesive mobility variation in drug controlled release. <i>Journal of Controlled Release</i> , 2017, 252, 83-94.	9.9	55
44	Inhaled hyaluronic acid microparticles extended pulmonary retention and suppressed systemic exposure of a short-acting bronchodilator. <i>Carbohydrate Polymers</i> , 2017, 172, 197-204.	10.2	36
45	An insight into the molecular mechanism of the temporary enhancement effect of isopulegol decanoate on the skin. <i>International Journal of Pharmaceutics</i> , 2017, 529, 161-167.	5.2	10
46	Mechanism study on ion-pair complexes controlling skin permeability: Effect of ion-pair dissociation in the viable epidermis on transdermal permeation of bisoprolol. <i>International Journal of Pharmaceutics</i> , 2017, 532, 29-36.	5.2	41
47	Mechanistic insights of the enhancement effect of sorbitan monooleate on olanzapine transdermal patch both in release and percutaneous absorption processes. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 107, 138-147.	4.0	30
48	Investigate the control release effect of ion-pair in the development of escitalopram transdermal patch using FT-IR spectroscopy, molecular modeling and thermal analysis. <i>International Journal of Pharmaceutics</i> , 2017, 529, 391-400.	5.2	25
49	The effect of ion-pair formation combined with penetration enhancers on the skin permeation of loxoprofen. <i>Drug Delivery</i> , 2016, 23, 1-8.	5.7	19
50	Regulating the Skin Permeation Rate of Escitalopram by Ion-pair Formation with Organic Acids. <i>AAPS PharmSciTech</i> , 2016, 17, 1267-1273.	3.3	24
51	Effect of drug physicochemical properties on drug release and their relationship with drug skin permeation behaviors in hydroxyl pressure sensitive adhesive. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 93, 437-446.	4.0	46
52	Effect of isopropyl myristate on the viscoelasticity and drug release of a drug-in-adhesive transdermal patch containing blonanserin. <i>Acta Pharmaceutica Sinica B</i> , 2016, 6, 623-628.	12.0	25
53	Drug in adhesive patch of palonosetron: Effect of pressure sensitive adhesive on drug skin permeation and in vitro-in vivo correlation. <i>International Journal of Pharmaceutics</i> , 2016, 511, 1088-1097.	5.2	39
54	Development of a drug-in-adhesive patch combining ion pair and chemical enhancer strategy for transdermal delivery of zaltoprofen: pharmacokinetic, pharmacodynamic and in vitro-in vivo correlation evaluation. <i>Drug Delivery</i> , 2016, 23, 3461-3470.	5.7	15

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55	Probing the role of chemical enhancers in facilitating drug release from patches: Mechanistic insights based on FT-IR spectroscopy, molecular modeling and thermal analysis. <i>Journal of Controlled Release</i> , 2016, 227, 13-22.	9.9	52
56	Determination of tulobuterol in rat plasma using a liquid chromatography-tandem mass spectrometry method and its application to a pharmacokinetic study of tulobuterol patch. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1008, 108-114.	2.3	3
57	Lamellar Liquid Crystal Improves the Skin Retention of 3-O-Ethyl-Ascorbic Acid and Potassium 4-Methoxysalicylate In Vitro and In Vivo for Topical Preparation. <i>AAPS PharmSciTech</i> , 2016, 17, 767-777.	3.3	18
58	Development of a topical ointment of betamethasone dipropionate loaded nanostructured lipid carrier. <i>Asian Journal of Pharmaceutical Sciences</i> , 2016, 11, 248-254.	9.1	46
59	<i>In vivo</i> pharmacokinetics, biodistribution and antitumor effect of paclitaxel-loaded micelles based on $\alpha$ -tocopherol succinate-modified chitosan. <i>Drug Delivery</i> , 2016, 23, 2651-2660.	5.7	18
60	Mechanism of Ion-Pair Strategy in Modulating Skin Permeability of Zaltoprofen: Insight from Molecular-Level Resolution Based on Molecular Modeling and Confocal Laser Scanning Microscopy. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 3395-3403.	3.3	25
61	Enhancement of skin permeation of flurbiprofen via its transdermal patches using isopulegol decanoate (ISO-C10) as an absorption enhancer: pharmacokinetic and pharmacodynamic evaluation. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 1232-1239.	2.4	14
62	Dual-directional regulation of drug permeating amount by combining the technique of ion-pair complexation with chemical enhancers for the synchronous permeation of indapamide and bisoprolol in their compound patch through rabbit skin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 91, 59-65.	4.3	6
63	The effect of rheological behavior and microstructure of the emulgels on the release and permeation profiles of Terpinen-4-ol. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 78, 140-150.	4.0	26
64	Drug in Adhesive Patch of Zolmitriptan: Formulation and In vitro /In vivo Correlation. <i>AAPS PharmSciTech</i> , 2015, 16, 1245-1253.	3.3	33
65	Preparation of an oral thin film containing meclizine hydrochloride: In vitro and in vivo evaluation. <i>International Journal of Pharmaceutics</i> , 2015, 496, 314-322.	5.2	22
66	Influence of drug physicochemical properties on absorption of water insoluble drug nanosuspensions. <i>International Journal of Pharmaceutics</i> , 2014, 460, 13-23.	5.2	37
67	Effect of Backing Films on the Transdermal Delivery of Donepezil from Patches. <i>AAPS PharmSciTech</i> , 2014, 15, 1569-1573.	3.3	8
68	Saturated Long-Chain Esters of Isopulegol as Novel Permeation Enhancers for Transdermal Drug Delivery. <i>Pharmaceutical Research</i> , 2014, 31, 1907-1918.	3.5	18
69	Mechanistic investigation and reversible effect of 2-isopropyl-5-methylcyclohexyl heptanoate on the <i>in vitro</i> percutaneous absorption of indomethacin. <i>Drug Delivery</i> , 2014, 21, 26-33.	5.7	13
70	Effect of unsaturated menthol analogues on the <i>in vitro</i> penetration of 5-fluorouracil through rat skin. <i>International Journal of Pharmaceutics</i> , 2013, 443, 120-127.	5.2	28
71	Intra-articular drug delivery from an optimized topical patch containing teriflunomide and lornoxicam for rheumatoid arthritis treatment: Does the topical patch really enhance a local treatment?. <i>Journal of Controlled Release</i> , 2013, 169, 73-81.	9.9	49
72	The Control of Skin-Permeating Rate of Bisoprolol by Ion-Pair Strategy for Long-Acting Transdermal Patches. <i>AAPS PharmSciTech</i> , 2012, 13, 811-815.	3.3	27

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73	The relationship between hydrogen-bonded ion-pair stability and transdermal penetration of lornoxicam with organic amines. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 47, 325-330.	4.0	27
74	Formulation and in vitro/in vivo correlation of a drugâ€inâ€ adhesive transdermal patch containing azasetron. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 4540-4548.	3.3	40
75	Electroless silver plating on the PET fabrics modified with 3â€mercaptopropyltriethoxysilane. <i>Journal of Applied Polymer Science</i> , 2012, 124, 1912-1918.	2.6	40
76	Nanonization of Itraconazole by High Pressure Homogenization: Stabilizer Optimization and Effect of Particle Size on Oral Absorption. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 3365-3373.	3.3	88
77	Ion-pair LCâ€UV Method for the Determination of Boanmycin in Mouse Plasma and Its Application to a Pharmacokinetic Study. <i>Chromatographia</i> , 2010, 72, 357-359.	1.3	1
78	Effect of counter-ions and penetration enhancers on the skin permeation of flurbiprofen. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 1826-1837.	3.3	29
79	Transdermal patches for site-specific delivery of anastrozole: In vitro and local tissue disposition evaluation. <i>International Journal of Pharmaceutics</i> , 2010, 391, 73-78.	5.2	27
80	Design and in vivo evaluation of an indapamide transdermal patchâ†. <i>International Journal of Pharmaceutics</i> , 2009, 370, 129-135.	5.2	57
81	Determination of Boanmycin in Pharmaceutical Preparations by a Simple and Rapid Ion-pair LC Method. <i>Chromatographia</i> , 2009, 70, 643-646.	1.3	3
82	Homogeneous dielectric barrier discharge in air for surface treatment. , 2007, , .		2
83	The use of complexation with alkanolamines to facilitate skin permeation of mefenamic acid. <i>International Journal of Pharmaceutics</i> , 2003, 262, 13-22.	5.2	37
84	The Enhancing Effect of a Triethanolamine-Ethanol-Isopropyl Myristate Mixed System on the Skin Permeation of Acidic Drugs.. <i>Biological and Pharmaceutical Bulletin</i> , 2002, 25, 1339-1344.	1.4	28