Lifeng Kang

List of Publications by Year
in descending order

87	2,632	172457	197818
papers	citations	29 h-index	49 g-index

95	95	95	3715
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microfluidics for drug discovery and development: From target selection to product lifecycle management. Drug Discovery Today, 2008, 13, 1-13.	6.4	290
2	3D printed drug delivery and testing systems â€" a passing fad or the future?. Advanced Drug Delivery Reviews, 2018, 132, 139-168.	13.7	182
3	Nanosized ethosomes bearing ketoprofen for improved transdermal delivery. Results in Pharma Sciences, 2011, 1, 60-67.	4.2	114
4	Iron Oxide Filled Magnetic Carbon Nanotubeâ€"Enzyme Conjugates for Recycling of Amyloglucosidase: Toward Useful Applications in Biofuel Production Process. Langmuir, 2012, 28, 16864-16873.	3.5	113
5	Effect of Microneedle Geometry and Supporting Substrate on Microneedle Array Penetration into Skin. Journal of Pharmaceutical Sciences, 2013, 102, 4100-4108.	3.3	112
6	Three-dimensional printing of a microneedle array on personalized curved surfaces for dual-pronged treatment of trigger finger. Biofabrication, 2017, 9, 015010.	7.1	106
7	Limonene GP1/PG organogel as a vehicle in transdermal delivery of haloperidol. International Journal of Pharmaceutics, 2006, 311, 157-164.	5.2	97
8	Micro- and nanoscale technologies for tissue engineering and drug discovery applications. Expert Opinion on Drug Discovery, 2007, 2, 1653-1668.	5.0	75
9	Formulation development of transdermal dosage forms: Quantitative structure-activity relationship model for predicting activities of terpenes that enhance drug penetration through human skin. Journal of Controlled Release, 2007, 120, 211-219.	9.9	74
10	SMGA gels for the skin permeation of haloperidol. Journal of Controlled Release, 2005, 106, 88-98.	9.9	67
11	Formulation, characterization and evaluation of mRNA-loaded dissolvable polymeric microneedles (RNApatch). Scientific Reports, 2018, 8, 11842.	3.3	65
12	High resolution photopolymer for 3D printing of personalised microneedle for transdermal delivery of anti-wrinkle small peptide. Journal of Controlled Release, 2021, 329, 907-918.	9.9	64
13	Microneedle Integrated Transdermal Patch for Fast Onset and Sustained Delivery of Lidocaine. Molecular Pharmaceutics, 2013, 10, 4272-4280.	4.6	60
14	A simple method of microneedle array fabrication for transdermal drug delivery. Drug Development and Industrial Pharmacy, 2013, 39, 299-309.	2.0	53
15	Pharmaceutical Applications of 3D Printing. Additive Manufacturing, 2020, 34, 101209.	3.0	52
16	Geometrical optimisation of a personalised microneedle eye patch for transdermal delivery of anti-wrinkle small peptide. Biofabrication, 2020, 12, 035003.	7.1	49
17	High durability and low toxicity antimicrobial coatings fabricated by quaternary ammonium silane copolymers. Biomaterials Science, 2016, 4, 299-309.	5.4	48
18	Three-Dimensional Printing of Carbamazepine Sustained-Release Scaffold. Journal of Pharmaceutical Sciences, 2016, 105, 2155-2163.	3.3	42

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19	Novel engineered systems for oral, mucosal and transdermal drug delivery. Journal of Drug Targeting, 2013, 21, 611-629.	4.4	40
20	Polycaprolactone scaffold as targeted drug delivery system and cell attachment scaffold for postsurgical care of limb salvage. Drug Delivery and Translational Research, 2012, 2, 272-283.	5.8	39
21	UV-curable pressure sensitive adhesive films: effects of biocompatible plasticizers on mechanical and adhesion properties. Soft Matter, 2013, 9, 6270.	2.7	35
22	Large Size Microneedle Patch to Deliver Lidocaine through Skin. Pharmaceutical Research, 2016, 33, 2653-2667.	3.5	35
23	Fabrication of non-dissolving analgesic suppositories using 3D printed moulds. International Journal of Pharmaceutics, 2016, 513, 717-724.	5.2	34
24	Physicochemical effects of terpenes on organogel for transdermal drug delivery. International Journal of Pharmaceutics, 2008, 358, 102-107.	5.2	33
25	rGO nanomaterial-mediated cancer targeting and photothermal therapy in a microfluidic co-culture platform. Nano Convergence, 2020, 7, 10.	12.1	33
26	Reversible effects of permeation enhancers on human skin. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 67, 149-155.	4.3	31
27	Adult Cardiac Progenitor Cell Aggregates Exhibit Survival Benefit Both In Vitro and In Vivo. PLoS ONE, 2012, 7, e50491.	2.5	31
28	Protein encapsulation in polymeric microneedles by photolithography. International Journal of Nanomedicine, 2012, 7, 3143.	6.7	30
29	Squid suckerin microneedle arrays for tunable drug release. Journal of Materials Chemistry B, 2017, 5, 8467-8478.	5.8	30
30	Enhanced Skin Permeation of Anti-wrinkle Peptides via Molecular Modification. Scientific Reports, 2018, 8, 1596.	3.3	30
31	Cell confinement in patterned nanoliter droplets in a microwell array by wiping. Journal of Biomedical Materials Research - Part A, 2010, 93A, 547-557.	4.0	27
32	Microfabricated particulate drugâ€delivery systems. Biotechnology Journal, 2011, 6, 1477-1487.	3.5	27
33	Fabrication of a 3D hair follicleâ€like hydrogel by soft lithography. Journal of Biomedical Materials Research - Part A, 2013, 101, 3159-3169.	4.0	27
34	Direct Microneedle Array Fabrication Off a Photomask to Deliver Collagen Through Skin. Pharmaceutical Research, 2014, 31, 1724-1734.	3.5	27
35	Rapid microneedle fabrication by heating and photolithography. International Journal of Pharmaceutics, 2020, 575, 118992.	5.2	25
36	Interactions between a skin penetration enhancer and the main components of human stratum corneum lipids. Journal of Thermal Analysis and Calorimetry, 2006, 83, 27-30.	3.6	24

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37	Selected Biomarkers Revealed Potential Skin Toxicity Caused by Certain Copper Compounds. Scientific Reports, 2016, 6, 37664.	3.3	24
38	Microneedle-Mediated Delivery of Copper Peptide Through Skin. Pharmaceutical Research, 2015, 32, 2678-89.	3.5	23
39	In vitro Antiviral Activity of Rubia cordifolia Aerial Part Extract against Rotavirus. Frontiers in Pharmacology, 2016, 7, 308.	3.5	22
40	Microneedles with Tunable Dissolution Rate. ACS Biomaterials Science and Engineering, 2020, 6, 5061-5068.	5.2	22
41	Proposome for transdermal delivery of tofacitinib. International Journal of Pharmaceutics, 2020, 585, 119558.	5.2	22
42	Arraycount, an algorithm for automatic cell counting in microwell arrays. BioTechniques, 2009, 47, x-xvi.	1.8	21
43	Keratinocytes maintain compartmentalization between dermal papilla and fibroblasts in 3D heterotypic triâ€cultures. Cell Proliferation, 2019, 52, e12668.	5.3	20
44	Drug Permeation through Skin Is Inversely Correlated with Carrier Gel Rigidity. Molecular Pharmaceutics, 2015, 12, 444-452.	4.6	19
45	A miniaturized flow-through cell to evaluate skin permeation of endoxifen. International Journal of Pharmaceutics, 2013, 441, 433-440.	5.2	17
46	Micro and nanoneedles for drug delivery and biosensing. Therapeutic Delivery, 2018, 9, 489-492.	2.2	14
47	A proton-coupled organic cation antiporter is involved in the blood-brain barrier transport of Aconitum alkaloids. Journal of Ethnopharmacology, 2020, 252, 112581.	4.1	14
48	Mahuang Decoction Antagonizes Acute Liver Failure via Modulating Tricarboxylic Acid Cycle and Amino Acids Metabolism. Frontiers in Pharmacology, 2021, 12, 599180.	3.5	14
49	Elevating Biomedical Performance of ZnO/SiO‹sub›2‹/sub›@Amorphous Calcium Phosphate â€• Bioinspiration Making Possible the Impossible. Advanced Functional Materials, 2016, 26, 6921-6929.	14.9	13
50	Impact of substrate stiffness on dermal papilla aggregates in microgels. Biomaterials Science, 2018, 6, 1347-1357.	5.4	12
51	A 3D printed human upper respiratory tract model for particulate deposition profiling. International Journal of Pharmaceutics, 2021, 597, 120307.	5.2	12
52	NANO/MICROSCALE TECHNOLOGIES FOR DRUG DELIVERY. Journal of Mechanics in Medicine and Biology, 2011, 11, 337-367.	0.7	11
53	Investigating PEGDA and GelMA Microgel Models for Sustained 3D Heterotypic Dermal Papilla and Keratinocyte Co-Cultures. International Journal of Molecular Sciences, 2021, 22, 2143.	4.1	11
54	Enhancement of Skin Delivery of Drugs Using Proposome Depends on Drug Lipophilicity. Pharmaceutics, 2021, 13, 1457.	4.5	11

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55	Polymeric Microneedle Array Fabrication by Photolithography. Journal of Visualized Experiments, 2015, , .	0.3	10
56	Enhanced skin retention and permeation of a novel peptide via structural modification, chemical enhancement, and microneedles. International Journal of Pharmaceutics, 2021, 606, 120868.	5.2	9
57	Bioactives in Chinese Proprietary Medicine Modulates 5Î±-Reductase Activity and Gene Expression Associated with Androgenetic Alopecia. Frontiers in Pharmacology, 2017, 8, 194.	3.5	8
58	A drug-laden elastomer for surgical treatment of anal fistula. Drug Delivery and Translational Research, 2011, 1, 439-447.	5.8	7
59	Fabrication of photomasks consisting microlenses for the production of polymeric microneedle array. Drug Delivery and Translational Research, 2015, 5, 438-450.	5.8	7
60	Microneedles for Transdermal Drug Delivery. , 2019, , .		7
61	Immobilized nanoneedle-like structures for intracellular delivery, biosensing and cellular surgery. Nanomedicine, 2021, 16, 335-349.	3.3	7
62	Microfluidic devices for drug discovery and analysis. , 2013, , 231-280.		5
63	Engineering the future of hair follicle regeneration and delivery. Therapeutic Delivery, 2018, 9, 321-324.	2.2	4
64	A miniaturized device for biomembrane permeation analysis. Materials Science and Engineering C, 2019, 103, 109772.	7.3	4
65	Effect of Pharmaceutical Excipients on Intestinal Absorption of Metformin via Organic Cation-Selective Transporters. Molecular Pharmaceutics, 2021, 18, 2198-2207.	4.6	4
66	Clinical therapeutics for phenylketonuria. Drug Delivery and Translational Research, 2012, 2, 223-237.	5.8	3
67	Recent Trends in Microneedle Development & Applications in Medicine and Cosmetics (2013â€“2018). , 2019, , 95-144.		3
68	Microstructured Hyaluronic Acid Hydrogel for Tooth Germ Bioengineering. Gels, 2021, 7, 123.	4.5	3
69	Development of a 3D-printed Medication Label for the Blind and Visually Impaired. International Journal of Bioprinting, 2020, 6, 276.	3.4	3
70	Consumersâ€™ self-reported adherence to directions for non-prescription medicines and the role of risk perception. Research in Social and Administrative Pharmacy, 2022, 18, 3929-3938.	3.0	3
71	Microneedle Patch for Fast Onset and Long-Lasting Delivery of Painkillers. , 2019, , 67-80.		2
72	Personalized anesthetic patches for dental applications. International Journal of Bioprinting, 2019, 5, 203.	3.4	2

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73	Recent progress in three-dimensionally-printed dosage forms from a pharmacist perspective. Journal of Pharmacy and Pharmacology, 2022, 74, 1367-1390.	2.4	2
74	Terpenes and Improvement of Transdermal Drug Delivery. , 2013, , 3757-3774.		1
75	Development and validation of a highly sensitive LC-MS/MS method for determination of brain active agent dianhydrogalactitol in mouse plasma and tissues: Application to a pharmacokinetic study. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1087-1088, 90-97.	2.3	1
76	Personalized anesthetic patches for dental applications. International Journal of Bioprinting, 2018, .	3.4	1
77	Essential monographs. , 2014, , 75-314.		0
78	Local effect of cosmeceutics â€“ allergic contact dermatitis. , 2014, , 53-73.		0
79	Skin permeation of cosmetics. , 2014, , 23-34.		0
80	History of cosmeceutics. , 2014, , 1-5.		0
81	Systemic effect of cosmeceutics â€“ cancer. , 2014, , 35-51.		0
82	Regulation of cosmetics. , 2014, , 7-22.		0
83	Materials & Methods. , 2019, , 31-47.		0
84	Introduction & Literature Review. , 2019, , 1-30.		0
85	Protein Encapsulation in Polymeric Microneedles by Photolithography. , 2019, , 57-66.		0
86	Cover Image, Volume 52, Issue 5. Cell Proliferation, 2019, 52, e12715.	5.3	0
87	Microfluidic systems for drug discovery, pharmaceutical analysis, and diagnostic applications. , 2021, , 261-327.		0