

# Jae-Young Lee

## List of Publications by Year in descending order

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90  
papers

2,320  
citations

218381

26  
h-index

253896

43  
g-index

90  
all docs

90  
docs citations

90  
times ranked

3692  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenylboronic Acid-Decorated Chondroitin Sulfate A-Based Theranostic Nanoparticles for Enhanced Tumor Targeting and Penetration. <i>Advanced Functional Materials</i> , 2015, 25, 3705-3717.	7.8	119
2	Application of montmorillonite in bentonite as a pharmaceutical excipient in drug delivery systems. <i>Journal of Pharmaceutical Investigation</i> , 2016, 46, 363-375.	2.7	117
3	Long-acting nanoparticulate DNase-1 for effective suppression of SARS-CoV-2-mediated neutrophil activities and cytokine storm. <i>Biomaterials</i> , 2021, 267, 120389.	5.7	94
4	Electrochemical deposition of conductive and adhesive polypyrrole-dopamine films. <i>Scientific Reports</i> , 2016, 6, 30475.	1.6	86
5	Dual CD44 and folate receptor-targeted nanoparticles for cancer diagnosis and anticancer drug delivery. <i>Journal of Controlled Release</i> , 2016, 236, 38-46.	4.8	83
6	Facilitated Transdermal Drug Delivery Using Nanocarriers-Embedded Electroconductive Hydrogel Coupled with Reverse Electrodialysis-Driven Iontophoresis. <i>ACS Nano</i> , 2020, 14, 4523-4535.	7.3	83
7	Recent Progress in the Development of Poly(lactic-co-glycolic acid)-Based Nanostructures for Cancer Imaging and Therapy. <i>Pharmaceutics</i> , 2019, 11, 280.	2.0	76
8	Efficient rhodamine-thiosemicarbazide-based colorimetric/fluorescent "turn-on" chemodosimeters for the detection of Hg <sup>2+</sup> in aqueous samples. <i>Sensors and Actuators B: Chemical</i> , 2015, 214, 101-110.	4.0	67
9	Curcumin-loaded lipid-hybridized cellulose nanofiber film ameliorates imiquimod-induced psoriasis-like dermatitis in mice. <i>Biomaterials</i> , 2018, 182, 245-258.	5.7	66
10	Bile acid-conjugated chondroitin sulfate A-based nanoparticles for tumor-targeted anticancer drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 532-541.	2.0	59
11	Boronic acid-tethered amphiphilic hyaluronic acid derivative-based nanoassemblies for tumor targeting and penetration. <i>Acta Biomaterialia</i> , 2017, 53, 414-426.	4.1	56
12	Chemosensitizing indomethacin-conjugated chitosan oligosaccharide nanoparticles for tumor-targeted drug delivery. <i>Acta Biomaterialia</i> , 2017, 57, 262-273.	4.1	51
13	Selenoacyclovir and Selenoganciclovir: Discovery of a New Template for Antiviral Agents. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 8734-8738.	2.9	48
14	Iodinated hyaluronic acid oligomer-based nanoassemblies for tumor-targeted drug delivery and cancer imaging. <i>Biomaterials</i> , 2016, 85, 218-231.	5.7	47
15	Doxorubicin/gold-loaded core/shell nanoparticles for combination therapy to treat cancer through the enhanced tumor targeting. <i>Journal of Controlled Release</i> , 2016, 228, 141-149.	4.8	46
16	Chondroitin sulfate-hybridized zein nanoparticles for tumor-targeted delivery of docetaxel. <i>Carbohydrate Polymers</i> , 2021, 253, 117187.	5.1	41
17	Doxorubicin/heparin composite nanoparticles for caspase-activated prodrug chemotherapy. <i>Biomaterials</i> , 2016, 101, 131-142.	5.7	39
18	Development of sorafenib loaded nanoparticles to improve oral bioavailability using a quality by design approach. <i>International Journal of Pharmaceutics</i> , 2019, 566, 229-238.	2.6	39

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19	Gamma Ray-Induced Polymerization and Cross-Linking for Optimization of PPy/PVP Hydrogel as Biomaterial. <i>Polymers</i> , 2020, 12, 111.	2.0	38
20	Development of poly(lactic-co-glycolic) acid nanoparticles-embedded hyaluronic acid-ceramide-based nanostructure for tumor-targeted drug delivery. <i>International Journal of Pharmaceutics</i> , 2014, 473, 426-433.	2.6	35
21	Microneedles for drug delivery: recent advances in materials and geometry for preclinical and clinical studies. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 929-947.	2.4	35
22	Polyethylene glycol-conjugated chondroitin sulfate A derivative nanoparticles for tumor-targeted delivery of anticancer drugs. <i>Carbohydrate Polymers</i> , 2016, 151, 68-77.	5.1	32
23	Angelica gigas Nakai and Soluplus-Based Solid Formulations Prepared by Hot-Melting Extrusion: Oral Absorption Enhancing and Memory Ameliorating Effects. <i>PLoS ONE</i> , 2015, 10, e0124447.	1.1	29
24	Hyaluronic acid/doxorubicin nanoassembly-releasing microspheres for the transarterial chemoembolization of a liver tumor. <i>Drug Delivery</i> , 2018, 25, 1472-1483.	2.5	29
25	Soluplus&reg;/TPGS-based solid dispersions prepared by hot-melt extrusion equipped with twin-screw systems for enhancing oral bioavailability of valsartan. <i>Drug Design, Development and Therapy</i> , 2015, 9, 2745.	2.0	28
26	Microemulsion-based hydrogels for enhancing epidermal/dermal deposition of topically administered 20(S)-protopanaxadiol: inÂvitro and inÂvivo evaluation studies. <i>Journal of Ginseng Research</i> , 2018, 42, 512-523.	3.0	28
27	PEGylated nanoparticle albumin-bound steroidal ginsenoside derivatives ameliorate SARS-CoV-2-mediated hyper-inflammatory responses. <i>Biomaterials</i> , 2021, 273, 120827.	5.7	28
28	An â€œOFFâ€“ONâ€™ fluorescent chemosensor based on rhodamine 6G-2-chloronicotinaldehyde for the detection of Al <sup>3+</sup> ions: Part II. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 227-241.	4.0	27
29	The Improvement of Skin Whitening of Phenylethyl Resorcinol by Nanostructured Lipid Carriers. <i>Nanomaterials</i> , 2017, 7, 241.	1.9	27
30	Optimization of Mesoporous Silica Nanoparticles through Statistical Design of Experiment and the Application for the Anticancer Drug. <i>Pharmaceutics</i> , 2021, 13, 184.	2.0	27
31	Electrosprayed nanocomposites based on hyaluronic acid derivative and Soluplus for tumor-targeted drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 267-274.	2.5	25
32	Antiviral activity of gemcitabine against human rhinovirus inÂvitro and inÂvivo. <i>Antiviral Research</i> , 2017, 145, 6-13.	1.9	25
33	&lt;p&gt;Formulation And Evaluation Of Nanostructured Lipid Carriers (NLCs) Of 20(S)-Protopanaxadiol (PPD) By Box-Behnken Design&lt;p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 8509-8520.	3.3	25
34	Lung-selective 25-hydroxycholesterol nanotherapeutics as a suppressor of COVID-19-associated cytokine storm. <i>Nano Today</i> , 2021, 38, 101149.	6.2	25
35	Preparation and characterization of self-assembled nanoparticles based on low-molecular-weight heparin and stearylamine conjugates for controlled delivery of docetaxel. <i>International Journal of Nanomedicine</i> , 2014, 9, 5711.	3.3	24
36	Nanocomplexes Based on Amphiphilic Hyaluronic Acid Derivative and Polyethylene Glycolâ€“Lipid for Ginsenoside Rg3 Delivery. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 3254-3262.	1.6	23

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37	Nanodelivery systems for overcoming limited transportation of therapeutic molecules through the blood-brain barrier. <i>Future Medicinal Chemistry</i> , 2018, 10, 2659-2674.	1.1	23
38	Blood component ridable and CD44 receptor targetable nanoparticles based on a maleimide-functionalized chondroitin sulfate derivative. <i>Carbohydrate Polymers</i> , 2020, 230, 115568.	5.1	22
39	Interconnected hyaluronic acid derivative-based nanoparticles for anticancer drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 380-387.	2.5	21
40	Proteomic Analysis of Bovine Pregnancy-specific Serum Proteins by 2D Fluorescence Difference Gel Electrophoresis. <i>Asian-Australasian Journal of Animal Sciences</i> , 2015, 28, 788-795.	2.4	20
41	Development of <i>Houttuynia cordata</i> Extract-Loaded Solid Lipid Nanoparticles for Oral Delivery: High Drug Loading Efficiency and Controlled Release. <i>Molecules</i> , 2017, 22, 2215.	1.7	20
42	Lipid Nanoparticles for Enhancing the Physicochemical Stability and Topical Skin Delivery of Orobol. <i>Pharmaceutics</i> , 2020, 12, 845.	2.0	20
43	High body clearance and low oral bioavailability of alantolactone, isolated from <i>Inula helenium</i> , in rats: extensive hepatic metabolism and low stability in gastrointestinal fluids. <i>Biopharmaceutics and Drug Disposition</i> , 2016, 37, 156-167.	1.1	19
44	<i>Trans</i> -scirpusin A showed antitumor effects via autophagy activation and apoptosis induction of colorectal cancer cells. <i>Oncotarget</i> , 2017, 8, 41401-41411.	0.8	19
45	Sprinkle formulations—A review of commercially available products. <i>Asian Journal of Pharmaceutical Sciences</i> , 2020, 15, 292-310.	4.3	19
46	The Use of Social Media in Detecting Drug Safety-Related New Black Box Warnings, Labeling Changes, or Withdrawals: Scoping Review. <i>JMIR Public Health and Surveillance</i> , 2021, 7, e30137.	1.2	19
47	Poly(styrene)- <i>b</i> -poly(DL-lactide) copolymer-based nanoparticles for anticancer drug delivery. <i>International Journal of Nanomedicine</i> , 2014, 9, 2803.	3.3	17
48	A novel sensing capabilities and structural modification from thiourea to urea derivative by Hg(ClO <sub>4</sub> ) <sub>2</sub> : Selective dual chemodosimeter for Hg <sup>2+</sup> and F <sup>-</sup> ions. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 1070-1085.	4.0	17
49	Local drug delivery using poly(lactic-co-glycolic acid) nanoparticles in thermosensitive gels for inner ear disease treatment. <i>Drug Delivery</i> , 2021, 28, 2268-2277.	2.5	17
50	Synthesis and chemosensitivity of a new iminium salt toward a cyanide anion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 127, 268-274.	2.0	16
51	Omega-3 fatty acids incorporated colloidal systems for the delivery of <i>Angelica gigas</i> Nakai extract. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 140, 239-245.	2.5	16
52	Preparation and evaluation of celecoxib-loaded proliposomes with high lipid content. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 141, 139-148.	2.0	15
53	Hydroxyapatite-binding albumin nanoclusters for enhancing bone tumor chemotherapy. <i>Journal of Controlled Release</i> , 2022, 342, 111-121.	4.8	15
54	A new dual fluorogenic and chromogenic chemosensor for Cu <sup>2+</sup> /F <sup>-</sup> ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 151, 48-55.	2.0	14

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55	Capmul MCM/Solutol HS15-Based Microemulsion for Enhanced Oral Bioavailability of Rebamipide. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 2340-2344.	0.9	14
56	Formulation and statistical analysis of an herbal medicine tablet containing <i>Morus alba</i> leaf extracts. <i>Journal of Pharmaceutical Investigation</i> , 2019, 49, 625-634.	2.7	14
57	Single enzyme nanoparticle, an effective tool for enzyme replacement therapy. <i>Archives of Pharmacal Research</i> , 2020, 43, 1-21.	2.7	14
58	The Role of Natural Compounds and their Nanocarriers in the Treatment of CNS Inflammation. <i>Biomolecules</i> , 2020, 10, 1401.	1.8	13
59	Subcutaneously Injectable Hyaluronic Acid Hydrogel for Sustained Release of Donepezil with Reduced Initial Burst Release: Effect of Hybridization of Microstructured Lipid Carriers and Albumin. <i>Pharmaceutics</i> , 2021, 13, 864.	2.0	13
60	Synthesis of a novel pyrylium salt with chemoselectivity to a cyanide anion. <i>Supramolecular Chemistry</i> , 2015, 27, 191-200.	1.5	12
61	Novel reverse electro dialysis-driven iontophoretic system for topical and transdermal delivery of poorly permeable therapeutic agents. <i>Drug Delivery</i> , 2017, 24, 1204-1215.	2.5	12
62	Lipid-modifying effects of krill oil vs fish oil: a network meta-analysis. <i>Nutrition Reviews</i> , 2020, 78, 699-708.	2.6	12
63	Recent progress in therapeutic drug delivery systems for treatment of traumatic CNS injuries. <i>Future Medicinal Chemistry</i> , 2020, 12, 1759-1778.	1.1	10
64	Preparation and characterization of sorafenib-loaded microprecipitated bulk powder for enhancing oral bioavailability. <i>International Journal of Pharmaceutics</i> , 2020, 589, 119836.	2.6	10
65	Structural Analyses on the Deamidation of N-Terminal Asn in the Human N-Degron Pathway. <i>Biomolecules</i> , 2020, 10, 163.	1.8	10
66	The multilayer nanoparticles for deep penetration of docetaxel into tumor parenchyma to overcome tumor microenvironment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 833-840.	2.5	9
67	Development of HPLC Method for the Determination of Buspirone in Rat Plasma Using Fluorescence Detection and Its Application to a Pharmacokinetic Study. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 1582-1588.	0.6	9
68	Physostigmine-loaded liposomes for extended prophylaxis against nerve agent poisoning. <i>International Journal of Pharmaceutics</i> , 2018, 553, 467-473.	2.6	9
69	Development and Evaluation of Tannic Acid-Coated Nanosuspension for Enhancing Oral Bioavailability of Curcumin. <i>Pharmaceutics</i> , 2021, 13, 1460.	2.0	9
70	Nanocomposites based on Soluplus and <i>Angelica gigas</i> Nakai extract fabricated by an electrohydrodynamic method for oral administration. <i>Journal of Colloid and Interface Science</i> , 2016, 484, 146-154.	5.0	8
71	Quasi-Irreversible Inhibition of CYP2D6 by Berberine. <i>Pharmaceutics</i> , 2020, 12, 916.	2.0	8
72	Effect of Enhancers on <i>in vitro</i> and <i>in vivo</i> Skin Permeation and Deposition of S-Methyl-L-Methionine. <i>Biomolecules and Therapeutics</i> , 2017, 25, 434-440.	1.1	8

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73	Subacute toxicity and toxicokinetics study of DHP107, an oral paclitaxel formulation with once-weekly dosing in mice. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 103, 196-204.	1.3	7
74	Coacervate microcapsules of vitamin U optimized by central composite design (CCD). <i>Journal of Pharmaceutical Investigation</i> , 2019, 49, 313-321.	2.7	7
75	Determination of manassantin B in rat plasma using a high performance liquid chromatography with fluorescence detection and its quantitative application to pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1011, 121-127.	1.2	6
76	Preparation and Evaluation of Eudragit L100-PEG Proliponiosomes for Enhanced Oral Delivery of Celecoxib. <i>Pharmaceutics</i> , 2020, 12, 718.	2.0	6
77	Impacts of Drug Interactions on Pharmacokinetics and the Brain Transporters: A Recent Review of Natural Compound-Drug Interactions in Brain Disorders. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1809.	1.8	6
78	SYNTHESIS AND ANTI-HCMV ACTIVITY OF NOVEL ACYCLIC NUCLEOSIDES. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2002, 21, 709-721.	0.4	5
79	An overview of chondrosarcoma with a focus on nanoscale therapeutics. <i>Journal of Pharmaceutical Investigation</i> , 2020, 50, 537-552.	2.7	5
80	Thermosensitive Hydrogel Harboring CD146/IGF-1 Nanoparticles for Skeletal-Muscle Regeneration. <i>ACS Applied Bio Materials</i> , 2021, 4, 7070-7080.	2.3	5
81	A comparative study of the adjuvanticity of <i>Hansenula polymorpha</i> , <i>Saccharomyces cerevisiae</i> and <i>Yarrowia lipolytica</i> in oral and nasal immunization with virus capsid antigens. <i>Biotechnology Letters</i> , 2013, 35, 1881-1888.	1.1	4
82	<i>Achyranthis radix</i> Extract-Loaded Eye Drop Formulation Development and Novel Evaluation Method for Dry Eye Treatment. <i>Pharmaceutics</i> , 2020, 12, 165.	2.0	4
83	Determination and validation of psammoplin A and its derivatives in rat plasma by liquid chromatography-tandem mass spectrometry and its application in pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1000, 155-162.	1.2	3
84	The risk of pulmonary adverse drug reactions of rebamipide and other drugs for acid-related diseases: An analysis of the national pharmacovigilance database in South Korea. <i>Journal of Digestive Diseases</i> , 2021, , .	0.7	3
85	Synthesis of Rhodamine-based Chemosensor and Determination of Spectral Properties. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 604, 193-201.	0.4	2
86	Computational study on vapor phase coupling reaction between diiso(thio)cyanates with diamines, diols, and dithiols. <i>International Journal of Quantum Chemistry</i> , 2017, 117, e25341.	1.0	2
87	Functional Fragments of AIMP1-Derived Peptide (AdP) and Optimized Hydrosol for Their Topical Deposition by Box-Behnken Design. <i>Molecules</i> , 2019, 24, 1967.	1.7	2
88	Stability evaluation of H3N2 influenza split vaccine in drying process for solidification. <i>Journal of Pharmaceutical Investigation</i> , 2020, 50, 107-113.	2.7	2
89	Development and Validation of Liquid Chromatography-Tandem Mass Spectrometry Method for Pharmacokinetic Evaluation of 7Î²-(3-Ethyl-cis-crotonoyloxy)-1Î±-(2-methylbutyryloxy)-3,14-dehydro-Z-notonipetranon in Rats. <i>Molecules</i> , 2020, 25, 1774.	1.7	1
90	Determination and validation of LJ-2698, a potent human A3 adenosine receptor antagonist, in rat plasma by liquid chromatography-tandem mass spectrometry and its application in pharmacokinetic study. <i>Archives of Pharmacal Research</i> , 2017, 40, 952-961.	2.7	0