

# Jaecheol Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

2,105  
citations

257450

24  
h-index

243625

44  
g-index

46  
all docs

46  
docs citations

46  
times ranked

3757  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Epigenetic Regulation of Phosphodiesterases 2A and 3A Underlies Compromised $\hat{I}^2$ -Adrenergic Signaling in an iPSC Model of Dilated Cardiomyopathy. <i>Cell Stem Cell</i> , 2015, 17, 89-100.   | 11.1 | 170       |
| 2  | Patient-Specific iPSC-Derived Endothelial Cells Uncover Pathways that Protect against Pulmonary Hypertension in BMPR2 Mutation Carriers. <i>Cell Stem Cell</i> , 2017, 20, 490-504.e5.  | 11.1 | 163       |
| 3  | Defining human cardiac transcription factor hierarchies using integrated single-cell heterogeneity analysis. <i>Nature Communications</i> , 2018, 9, 4906.  | 12.8 | 147       |
| 4  | Activation of PDGF pathway links LMNA mutation to dilated cardiomyopathy. <i>Nature</i> , 2019, 572, 335-340.   | 27.8 | 136       |
| 5  | Human-Induced Pluripotent Stem Cell Model of Trastuzumab-Induced Cardiac Dysfunction in Patients With Breast Cancer. <i>Circulation</i> , 2019, 139, 2451-2465.   | 1.6  | 136       |
| 6  | Large-Scale Single-Cell RNA-Seq Reveals Molecular Signatures of Heterogeneous Populations of Human Induced Pluripotent Stem Cell-Derived Endothelial Cells. <i>Circulation Research</i> , 2018, 123, 443-450.   | 4.5  | 110       |
| 7  | Modelling diastolic dysfunction in induced pluripotent stem cell-derived cardiomyocytes from hypertrophic cardiomyopathy patients. <i>European Heart Journal</i> , 2019, 40, 3685-3695.   | 2.2  | 100       |
| 8  | A Premature Termination Codon Mutation in MYBPC3 Causes Hypertrophic Cardiomyopathy via Chronic Activation of Nonsense-Mediated Decay. <i>Circulation</i> , 2019, 139, 799-811.   | 1.6  | 91        |
| 9  | Characterization of the molecular mechanisms underlying increased ischemic damage in the <i>aldehyde dehydrogenase 2</i> genetic polymorphism using a human induced pluripotent stem cell model system. <i>Science Translational Medicine</i> , 2014, 6, 255ra130.  | 12.4 | 84        |
| 10 | Transcriptional repression of cancer stem cell marker CD133 by tumor suppressor p53. <i>Cell Death and Disease</i> , 2015, 6, e1964-e1964.  | 6.3  | 78        |
| 11 | Contractile force generation by 3D hiPSC-derived cardiac tissues is enhanced by rapid establishment of cellular interconnection in matrix with muscle-mimicking stiffness. <i>Biomaterials</i> , 2017, 131, 111-120.  | 11.4 | 72        |
| 12 | S6K1 Phosphorylation of H2B Mediates EZH2 Trimethylation of H3: A Determinant of Early Adipogenesis. <i>Molecular Cell</i> , 2016, 62, 443-452.   | 9.7  | 65        |
| 13 | Histone deacetylase inhibitor apicidin downregulates DNA methyltransferase 1 expression and induces repressive histone modifications via recruitment of corepressor complex to promoter region in human cervix cancer cells. <i>Oncogene</i> , 2008, 27, 1376-1386. | 5.9  | 64        |
| 14 | A Comprehensive TALEN-Based Knockout Library for Generating Human-Induced Pluripotent Stem Cell-Based Models for Cardiovascular Diseases. <i>Circulation Research</i> , 2017, 120, 1561-1571.   | 4.5  | 56        |
| 15 | Infection of Brain Organoids and 2D Cortical Neurons with SARS-CoV-2 Pseudovirus. <i>Viruses</i> , 2020, 12, 1004.  | 3.3  | 53        |
| 16 | Novel codon-optimized mini-intronic plasmid for efficient, inexpensive and xeno-free induction of pluripotency. <i>Scientific Reports</i> , 2015, 5, 8081.  | 3.3  | 51        |
| 17 | Depletion of Embryonic Stem Cell Signature by Histone Deacetylase Inhibitor in NCCIT Cells: Involvement of Nanog Suppression. <i>Cancer Research</i> , 2009, 69, 5716-5725.   | 0.9  | 49        |
| 18 | Generation of disease-specific induced pluripotent stem cells from patients with rheumatoid arthritis and osteoarthritis. <i>Arthritis Research and Therapy</i> , 2014, 16, R41.  | 3.5  | 44        |

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|----|--|------|-----------|
| 19 | Pravastatin reverses obesity-induced dysfunction of induced pluripotent stem cell-derived endothelial cells via a nitric oxide-dependent mechanism. <i>European Heart Journal</i> , 2015, 36, 806-816. | 2.2  | 40        |
| 20 | Histone deacetylase inhibitor apicidin induces cyclin E expression through Sp1 sites. <i>Biochemical and Biophysical Research Communications</i> , 2006, 342, 1168-1173.                               | 2.1  | 39        |
| 21 | Transcriptomic and epigenomic differences in human induced pluripotent stem cells generated from six reprogramming methods. <i>Nature Biomedical Engineering</i> , 2017, 1, 826-837.                   | 22.5 | 38        |
| 22 | SETD7 Drives Cardiac Lineage Commitment through Stage-Specific Transcriptional Activation. <i>Cell Stem Cell</i> , 2018, 22, 428-444.e5.   | 11.1 | 38        |
| 23 | Recent technological updates and clinical applications of induced pluripotent stem cells. <i>Korean Journal of Internal Medicine</i> , 2014, 29, 547.  | 1.7  | 32        |
| 24 | Ginsenoside Rg3 Induces Browning of 3T3-L1 Adipocytes by Activating AMPK Signaling. <i>Nutrients</i> , 2020, 12, 427.  | 4.1  | 27        |
| 25 | Ginsenoside Rg1 from <i>Panax ginseng</i> enhances myoblast differentiation and myotube growth. <i>Journal of Ginseng Research</i> , 2017, 41, 608-614.  | 5.7  | 25        |
| 26 | Pantheric Acids Aâ€C from a Poisonous Mushroom, <i>Amanita pantherina</i> , Promote Lipid Accumulation in Adipocytes. <i>Journal of Natural Products</i> , 2019, 82, 3489-3493.                        | 3.0  | 25        |
| 27 | Identification of a novel S6K1 inhibitor, rosmarinic acid methyl ester, for treating cisplatin-resistant cervical cancer. <i>BMC Cancer</i> , 2019, 19, 773.   | 2.6  | 21        |
| 28 | Cell Type-Specific Chromatin Signatures Underline Regulatory DNA Elements in Human Induced Pluripotent Stem Cells and Somatic Cells. <i>Circulation Research</i> , 2017, 121, 1237-1250.               | 4.5  | 18        |
| 29 | Anti-adipogenic Effect of Î²-Carboline Alkaloids from Garlic ( <i>Allium sativum</i> ). <i>Foods</i> , 2019, 8, 673.   | 4.3  | 18        |
| 30 | HPV-mediated nuclear export of HP1 <sup>Î³</sup> drives cervical tumorigenesis by downregulation of p53. <i>Cell Death and Differentiation</i> , 2020, 27, 2537-2551.                                  | 11.2 | 18        |
| 31 | An isoflavone compound daidzein elicits myoblast differentiation and myotube growth. <i>Journal of Functional Foods</i> , 2017, 38, 438-446.   | 3.4  | 15        |
| 32 | (Â±)-Kituramides A and B, pairs of enantiomeric dopamine dimers from the two-spotted cricket <i>Gryllus bimaculatus</i> . <i>Bioorganic Chemistry</i> , 2020, 95, 103554.                              | 4.1  | 13        |
| 33 | In vitro modeling for inherited neurological diseases using induced pluripotent stem cells: from 2D to organoid. <i>Archives of Pharmacal Research</i> , 2020, 43, 877-889.                            | 6.3  | 12        |
| 34 | Rosmarinic Acid Methyl Ester Regulates Ovarian Cancer Cell Migration and Reverses Cisplatin Resistance by Inhibiting the Expression of Forkhead Box M1. <i>Pharmaceuticals</i> , 2020, 13, 302.        | 3.8  | 11        |
| 35 | Vulpinic Acid Controls Stem Cell Fate toward Osteogenesis and Adipogenesis. <i>Genes</i> , 2020, 11, 18.   | 2.4  | 8         |
| 36 | Generation of Functional Cardiomyocytes from the Synoviocytes of Patients with Rheumatoid Arthritis via Induced Pluripotent Stem Cells. <i>Scientific Reports</i> , 2016, 6, 32669.                    | 3.3  | 6         |

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|----|---|-----|-----------|
| 37 | Eudesmin impairs adipogenic differentiation via inhibition of S6K1 signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2018, 505, 1148-1153.  | 2.1 | 6         |
| 38 | S6K1 controls adiponectin expression by inducing a transcriptional switch: BMAL1-to-EZH2. <i>Experimental and Molecular Medicine</i> , 2022, 54, 324-333.   | 7.7 | 6         |
| 39 | Anti-Adipogenic Polyacetylene Glycosides from the Florets of Safflower ( <i>Carthamus tinctorius</i> ). <i>Biomedicines</i> , 2021, 9, 91.  | 3.2 | 5         |
| 40 | Discovery of Dihydrophaseic Acid Glucosides from the Florets of <i>Carthamus tinctorius</i> . <i>Plants</i> , 2020, 9, 858.   | 3.5 | 4         |
| 41 | Human WRN is an intrinsic inhibitor of progerin, abnormal splicing product of lamin A. <i>Scientific Reports</i> , 2021, 11, 9122.  | 3.3 | 4         |
| 42 | Nuclear S6K1 regulates cAMP-responsive element-dependent gene transcription through activation of mTOR signal pathway. <i>Biochemical and Biophysical Research Communications</i> , 2022, 594, 101-108.         | 2.1 | 4         |
| 43 | <i>Carthamusuchuric acid</i> , an enolic glucoside of phenylpyruvic acid from the florets of <i>Carthamus tinctorius</i> and anti-adipogenic phenolic compounds. <i>Tetrahedron Letters</i> , 2020, 61, 152237. | 1.4 | 2         |
| 44 | Transcriptomics-Based Repositioning of Natural Compound, Eudesmin, as a PRC2 Modulator. <i>Molecules</i> , 2021, 26, 5665.  | 3.8 | 1         |
| 45 | Morolic Acid 3-O-Caffeate Inhibits Adipogenesis by Regulating Epigenetic Gene Expression. <i>Molecules</i> , 2020, 25, 5910.  | 3.8 | 0         |