

Agapios Sachinidis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8643101/publications.pdf>

Version: 2024-02-01

144
papers

5,749
citations

71102

41
h-index

95266

68
g-index

151
all docs

151
docs citations

151
times ranked

6890
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Current Challenges of iPSC-Based Disease Modeling and Therapeutic Implications. <i>Cells</i> , 2019, 8, 403. | 4.1 | 282 |
| 2 | Human embryonic stem cell-derived test systems for developmental neurotoxicity: a transcriptomics approach. <i>Archives of Toxicology</i> , 2013, 87, 123-143. | 4.2 | 222 |
| 3 | Cardiac specific differentiation of mouse embryonic stem cells. <i>Cardiovascular Research</i> , 2003, 58, 278-291. | 3.8 | 201 |
| 4 | Epigallocatechin-3 Gallate Selectively Inhibits the PDGF-BB-induced Intracellular Signaling Transduction Pathway in Vascular Smooth Muscle Cells and Inhibits Transformation of <i>sis</i> -transfected NIH 3T3 Fibroblasts and Human Glioblastoma Cells (A172). <i>Molecular Biology of the Cell</i> , 1999, 10, 1093-1104. | 2.1 | 170 |
| 5 | Gene networks and transcription factor motifs defining the differentiation of stem cells into hepatocyte-like cells. <i>Journal of Hepatology</i> , 2015, 63, 934-942. | 3.7 | 165 |
| 6 | Chemoprotective Mechanism of the Natural Compounds, Epigallocatechin- 3-O-Gallate, Quercetin and Curcumin Against Cancer and Cardiovascular Diseases. <i>Current Medicinal Chemistry</i> , 2009, 16, 1451-1462. | 2.4 | 156 |
| 7 | Maximum Diastolic Potential of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes Depends Critically on IKr. <i>PLoS ONE</i> , 2012, 7, e40288. | 2.5 | 144 |
| 8 | Toxicogenomics directory of chemically exposed human hepatocytes. <i>Archives of Toxicology</i> , 2014, 88, 2261-2287. | 4.2 | 143 |
| 9 | Model-guided identification of a therapeutic strategy to reduce hyperammonemia in liver diseases. <i>Journal of Hepatology</i> , 2016, 64, 860-871. | 3.7 | 110 |
| 10 | Thromboxane A 2 and Vascular Smooth Muscle Cell Proliferation. <i>Hypertension</i> , 1995, 26, 771-780. | 2.7 | 109 |
| 11 | Embryonic stem cells: a promising tool for cell replacement therapy. <i>Journal of Cellular and Molecular Medicine</i> , 2004, 8, 465-473. | 3.6 | 107 |
| 12 | Design Principles of Concentration-Dependent Transcriptome Deviations in Drug-Exposed Differentiating Stem Cells. <i>Chemical Research in Toxicology</i> , 2014, 27, 408-420. | 3.3 | 103 |
| 13 | Gene network activity in cultivated primary hepatocytes is highly similar to diseased mammalian liver tissue. <i>Archives of Toxicology</i> , 2016, 90, 2513-2529. | 4.2 | 100 |
| 14 | Klf4 and Klf5 differentially inhibit mesoderm and endoderm differentiation in embryonic stem cells. <i>Nature Communications</i> , 2014, 5, 3719. | 12.8 | 94 |
| 15 | Evaluation of Developmental Toxicants and Signaling Pathways in a Functional Test Based on the Migration of Human Neural Crest Cells. <i>Environmental Health Perspectives</i> , 2012, 120, 1116-1122. | 6.0 | 93 |
| 16 | Epigenetic changes and disturbed neural development in a human embryonic stem cell-based model relating to the fetal valproate syndrome. <i>Human Molecular Genetics</i> , 2012, 21, 4104-4114. | 2.9 | 88 |
| 17 | Identification of genomic biomarkers for anthracycline-induced cardiotoxicity in human iPSC-derived cardiomyocytes: an in vitro repeated exposure toxicity approach for safety assessment. <i>Archives of Toxicology</i> , 2016, 90, 2763-2777. | 4.2 | 87 |
| 18 | Prediction of human drug-induced liver injury (DILI) in relation to oral doses and blood concentrations. <i>Archives of Toxicology</i> , 2019, 93, 1609-1637. | 4.2 | 86 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Identification of Thalidomide-Specific Transcriptomics and Proteomics Signatures during Differentiation of Human Embryonic Stem Cells. <i>PLoS ONE</i> , 2012, 7, e44228. | 2.5 | 83 |
| 20 | Identification of Platelet-derived Growth Factor-BB as Cardiogenesis-Inducing Factor in Mouse Embryonic stem cells under Serum-free Conditions. <i>Cellular Physiology and Biochemistry</i> , 2003, 13, 423-429. | 1.6 | 82 |
| 21 | A transcriptome-based classifier to identify developmental toxicants by stem cell testing: design, validation and optimization for histone deacetylase inhibitors. <i>Archives of Toxicology</i> , 2015, 89, 1599-1618. | 4.2 | 82 |
| 22 | Green tea compounds inhibit tyrosine phosphorylation of PDGF β -receptor and transformation of A172 human glioblastoma. <i>FEBS Letters</i> , 2000, 471, 51-55. | 2.8 | 81 |
| 23 | Evidence That Lipoproteins Are Carriers of Bioactive Factors. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 2412-2421. | 2.4 | 79 |
| 24 | MicroRNAs as early toxicity signatures of doxorubicin in human-induced pluripotent stem cell-derived cardiomyocytes. <i>Archives of Toxicology</i> , 2016, 90, 3087-3098. | 4.2 | 77 |
| 25 | Unique Metabolic Features of Stem Cells, Cardiomyocytes, and Their Progenitors. <i>Circulation Research</i> , 2014, 114, 1346-1360. | 4.5 | 75 |
| 26 | Mechanisms of the inhibitory effects of epigallocatechin β gallate on platelet-derived growth factor β -induced cell signaling and mitogenesis. <i>FASEB Journal</i> , 2004, 18, 128-130. | 0.5 | 72 |
| 27 | Stem Cell-Derived Immature Human Dorsal Root Ganglia Neurons to Identify Peripheral Neurotoxicants. <i>Stem Cells Translational Medicine</i> , 2016, 5, 476-487. | 3.3 | 69 |
| 28 | From transient transcriptome responses to disturbed neurodevelopment: role of histone acetylation and methylation as epigenetic switch between reversible and irreversible drug effects. <i>Archives of Toxicology</i> , 2014, 88, 1451-1468. | 4.2 | 67 |
| 29 | Inhibition of the platelet-derived growth factor β -receptor tyrosine phosphorylation and its downstream intracellular signal transduction pathway in rat and human vascular smooth muscle cells by different catechins. <i>FASEB Journal</i> , 2002, 16, 893-895. | 0.5 | 63 |
| 30 | Development of a Neural Teratogenicity Test Based on Human Embryonic Stem Cells: Response to Retinoic Acid Exposure. <i>Toxicological Sciences</i> , 2011, 124, 370-377. | 3.1 | 58 |
| 31 | Global transcriptome analysis of murine embryonic stem cell-derived cardiomyocytes. <i>Genome Biology</i> , 2007, 8, R56. | 9.6 | 54 |
| 32 | The FunGenES Database: A Genomics Resource for Mouse Embryonic Stem Cell Differentiation. <i>PLoS ONE</i> , 2009, 4, e6804. | 2.5 | 54 |
| 33 | Trapping of growth factors by catechins: a possible therapeutical target for prevention of proliferative diseases. <i>Journal of Nutritional Biochemistry</i> , 2005, 16, 259-266. | 4.2 | 53 |
| 34 | Identification of Small Signalling Molecules Promoting Cardiac-Specific Differentiation of Mouse Embryonic Stem Cells. <i>Cellular Physiology and Biochemistry</i> , 2006, 18, 303-314. | 1.6 | 53 |
| 35 | Definition of transcriptome-based indices for quantitative characterization of chemically disturbed stem cell development: introduction of the STOP-Toxukn and STOP-Toxukk tests. <i>Archives of Toxicology</i> , 2017, 91, 839-864. | 4.2 | 53 |
| 36 | Generation of human induced pluripotent stem cell-derived cardiomyocytes in 2D monolayer and scalable 3D suspension bioreactor cultures with reduced batch-to-batch variations. <i>Theranostics</i> , 2019, 9, 7222-7238. | 10.0 | 52 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Cell death mechanisms of the anti-cancer drug etoposide on human cardiomyocytes isolated from pluripotent stem cells. Archives of Toxicology, 2018, 92, 1507-1524. | 4.2 | 51 |
| 38 | Identification of Differentially Expressed Genes Involved in the Formation of Multicellular Tumor Spheroids by HT-29 Colon Carcinoma Cells. Molecular Therapy, 2007, 15, 94-102. | 8.2 | 50 |
| 39 | Regulation of Liver Metabolism by the Endosomal GTPase Rab5. Cell Reports, 2015, 11, 884-892. | 6.4 | 47 |
| 40 | Human Embryonic and Induced Pluripotent Stem Cell Based Toxicity Testing Models: Future Applications in New Drug Discovery. Current Medicinal Chemistry, 2016, 23, 3495-3509. | 2.4 | 47 |
| 41 | Inhibition of the vascular-endothelial growth factor-induced intracellular signaling and mitogenesis of human endothelial cells by epigallocatechin-3 gallate. European Journal of Pharmacology, 2004, 483, 223-227. | 3.5 | 46 |
| 42 | Toxicogenomics directory of rat hepatotoxicants in vivo and in cultivated hepatocytes. Archives of Toxicology, 2018, 92, 3517-3533. | 4.2 | 46 |
| 43 | Effects of Cryopreservation on the Transcriptome of Human Embryonic Stem Cells After Thawing and Culturing. Stem Cell Reviews and Reports, 2011, 7, 506-517. | 5.6 | 45 |
| 44 | Cardiomyocytes facing fibrotic conditions re-express extracellular matrix transcripts. Acta Biomaterialia, 2019, 89, 180-192. | 8.3 | 45 |
| 45 | yyIncT Defines a Class of Divergently Transcribed lncRNAs and Safeguards the T-mediated Mesodermal Commitment of Human PSCs. Cell Stem Cell, 2019, 24, 318-327.e8. | 11.1 | 44 |
| 46 | Signaling molecules, transcription growth factors and other regulators revealed from in-vivo and in-vitro models for the regulation of cardiac development. International Journal of Cardiology, 2015, 183, 117-128. | 1.7 | 43 |
| 47 | Identification of transcriptome signatures and biomarkers specific for potential developmental toxicants inhibiting human neural crest cell migration. Archives of Toxicology, 2016, 90, 159-180. | 4.2 | 43 |
| 48 | Road Map for Development of Stem Cell-Based Alternative Test Methods. Trends in Molecular Medicine, 2019, 25, 470-481. | 6.7 | 42 |
| 49 | Simulated Microgravity Modulates Differentiation Processes of Embryonic Stem Cells. Cellular Physiology and Biochemistry, 2016, 38, 1483-1499. | 1.6 | 41 |
| 50 | Inhibitory Effect of Epigallocatechin 3-O-Gallate on Vascular Smooth Muscle Cell Hypertrophy Induced by Angiotensin II. Journal of Cardiovascular Pharmacology, 2004, 43, 200-208. | 1.9 | 40 |
| 51 | Human Pluripotent Stem Cell Based Developmental Toxicity Assays for Chemical Safety Screening and Systems Biology Data Generation. Journal of Visualized Experiments, 2015, , e52333. | 0.3 | 39 |
| 52 | Stem Cell Transcriptome Responses and Corresponding Biomarkers That Indicate the Transition from Adaptive Responses to Cytotoxicity. Chemical Research in Toxicology, 2017, 30, 905-922. | 3.3 | 37 |
| 53 | Proliferation and cilia dynamics in neural stem cells prospectively isolated from the SEZ. Scientific Reports, 2014, 4, 3803. | 3.3 | 36 |
| 54 | Transcriptional responses to epigallocatechin-3 gallate in HT 29 colon carcinoma spheroids. Genes To Cells, 2004, 9, 661-669. | 1.2 | 35 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Comparison of a teratogenic transcriptome-based predictive test based on human embryonic versus inducible pluripotent stem cells. <i>Stem Cell Research and Therapy</i> , 2016, 7, 190. | 5.5 | 34 |
| 56 | Omics-based responses induced by bosentan in human hepatoma HepaRG cell cultures. <i>Archives of Toxicology</i> , 2018, 92, 1939-1952. | 4.2 | 34 |
| 57 | The Growth-Promoting Effect of Low-Density Lipoprotein May Be Mediated by a Pertussis Toxin-Sensitive Mitogen-Activated Protein Kinase Pathway. <i>Molecular Pharmacology</i> , 1997, 52, 389-397. | 2.3 | 33 |
| 58 | Functional cardiotoxicity assessment of cosmetic compounds using human-induced pluripotent stem cell-derived cardiomyocytes. <i>Archives of Toxicology</i> , 2018, 92, 371-381. | 4.2 | 32 |
| 59 | Development of a neural rosette formation assay (RoFA) to identify neurodevelopmental toxicants and to characterize their transcriptome disturbances. <i>Archives of Toxicology</i> , 2020, 94, 151-171. | 4.2 | 32 |
| 60 | Inflammation-associated suppression of metabolic gene networks in acute and chronic liver disease. <i>Archives of Toxicology</i> , 2020, 94, 205-217. | 4.2 | 32 |
| 61 | Lineage-Specific Regulation of Epigenetic Modifier Genes in Human Liver and Brain. <i>PLoS ONE</i> , 2014, 9, e102035. | 2.5 | 32 |
| 62 | Development of a pluripotent stem cell derived neuronal model to identify chemically induced pathway perturbations in relation to neurotoxicity: Effects of CREB pathway inhibition. <i>Toxicology and Applied Pharmacology</i> , 2014, 280, 378-388. | 2.8 | 31 |
| 63 | Gangliosides GM1 and GM2 Induce Vascular Smooth Muscle Cell Proliferation via Extracellular Signal-Regulated Kinase 1/2 Pathway. <i>Hypertension</i> , 2001, 38, 1030-1037. | 2.7 | 30 |
| 64 | Functional and phenotypic differences of pure populations of stem cell-derived astrocytes and neuronal precursor cells. <i>Glia</i> , 2016, 64, 695-715. | 4.9 | 30 |
| 65 | Three LIF-dependent signatures and gene clusters with atypical expression profiles, identified by transcriptome studies in mouse ES cells and early derivatives. <i>BMC Genomics</i> , 2009, 10, 73. | 2.8 | 29 |
| 66 | Test systems of developmental toxicity: state-of-the art and future perspectives. <i>Archives of Toxicology</i> , 2013, 87, 2037-2042. | 4.2 | 29 |
| 67 | An optimized embryonic stem cell model for consistent gene expression and developmental studies. A fundamental study. <i>Thrombosis and Haemostasis</i> , 2005, 94, 719-27. | 3.4 | 28 |
| 68 | Functional Characterization and Transcriptome Analysis of Embryonic Stem Cell-Derived Contractile Smooth Muscle Cells. <i>Hypertension</i> , 2009, 53, 196-204. | 2.7 | 28 |
| 69 | Neuronal-Specific Deficiency of the Splicing Factor Tra2b Causes Apoptosis in Neurogenic Areas of the Developing Mouse Brain. <i>PLoS ONE</i> , 2014, 9, e89020. | 2.5 | 28 |
| 70 | Metabolite signatures of doxorubicin induced toxicity in human induced pluripotent stem cell-derived cardiomyocytes. <i>Amino Acids</i> , 2017, 49, 1955-1963. | 2.7 | 27 |
| 71 | Loss of genomic integrity induced by lysosphingolipid imbalance drives ageing in the heart. <i>EMBO Reports</i> , 2019, 20, . | 4.5 | 26 |
| 72 | Isolation and Functional Characterization of β -Smooth Muscle Actin Expressing Cardiomyocytes from Embryonic Stem Cells. <i>Cellular Physiology and Biochemistry</i> , 2010, 25, 595-604. | 1.6 | 25 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | In vitro assessment of drug-induced liver steatosis based on human dermal stem cell-derived hepatic cells. <i>Archives of Toxicology</i> , 2016, 90, 677-689. | 4.2 | 24 |
| 74 | GSK β inhibition protects the rat heart from the lipopolysaccharide-induced inflammation injury via suppressing FOXO3A activity. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 7796-7809. | 3.6 | 24 |
| 75 | Cardiotoxicity and Heart Failure: Lessons from Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes and Anticancer Drugs. <i>Cells</i> , 2020, 9, 1001. | 4.1 | 24 |
| 76 | Does the coronary risk factor low density lipoprotein alter growth and signaling in vascular smooth muscle cells?. <i>FASEB Journal</i> , 2002, 16, 1477-1487. | 0.5 | 23 |
| 77 | Entrapment of Embryonic Stem Cells-Derived Cardiomyocytes in Macroporous Biodegradable Microspheres: Preparation and Characterization. <i>Cellular Physiology and Biochemistry</i> , 2008, 22, 665-672. | 1.6 | 23 |
| 78 | Extensive Transcriptional Regulation of Chromatin Modifiers during Human Neurodevelopment. <i>PLoS ONE</i> , 2012, 7, e36708. | 2.5 | 23 |
| 79 | Early intracellular signalling pathway of ethanol in vascular smooth muscle cells. <i>British Journal of Pharmacology</i> , 1999, 128, 1761-1771. | 5.4 | 22 |
| 80 | Transcriptomic and phenotypic analysis of murine embryonic stem cell derived BMP2+ lineage cells: an insight into mesodermal patterning. <i>Genome Biology</i> , 2007, 8, R184. | 9.6 | 22 |
| 81 | Gene Expression Signatures Defining Fundamental Biological Processes in Pluripotent, Early, and Late Differentiated Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2012, 21, 2471-2484. | 2.1 | 21 |
| 82 | Generation of Cardiomyocytes from Embryonic Stem Cells. <i>Herz</i> , 2002, 27, 589-597. | 1.1 | 20 |
| 83 | Embryonic stem cells for basic research and potential clinical applications in cardiology. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005, 1740, 240-248. | 3.8 | 20 |
| 84 | Specific Gene Signatures and Pathways in Mesodermal Cells and Their Derivatives Derived from Embryonic Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 43-54. | 5.6 | 19 |
| 85 | Transcriptomics of Hepatocytes Treated with Toxicants for Investigating Molecular Mechanisms Underlying Hepatotoxicity. <i>Methods in Molecular Biology</i> , 2015, 1250, 225-240. | 0.9 | 19 |
| 86 | Identification of Specific Pluripotent Stem Cell Death-Inducing Small Molecules by Chemical Screening. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 116-127. | 5.6 | 18 |
| 87 | Distinct transcriptomic changes in E14.5 mouse skeletal muscle lacking RYR1 or Cav1.1 converge at E18.5. <i>PLoS ONE</i> , 2018, 13, e0194428. | 2.5 | 18 |
| 88 | IL12 integrated into the CAR exodomain converts CD8+ T cells to poly-functional NK-like cells with superior killing of antigen-loss tumors. <i>Molecular Therapy</i> , 2022, 30, 593-605. | 8.2 | 18 |
| 89 | Chemically Induced Cardiomyogenesis of Mouse Embryonic Stem Cells. <i>ChemBioChem</i> , 2010, 11, 208-217. | 2.6 | 17 |
| 90 | Optimization of the culturing conditions of human umbilical cord blood-derived endothelial colony-forming cells under xeno-free conditions applying a transcriptomic approach. <i>Genes To Cells</i> , 2010, 15, 671-687. | 1.2 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 91 | A Chemical Genetics Approach for Specific Differentiation of Stem Cells to Somatic Cells: A New Promising Therapeutical Approach. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2008, 11, 70-82. | 1.1 | 16 |
| 92 | Fingerprinting of neurotoxic compounds using a mouse embryonic stem cell dual luminescence reporter assay. <i>Archives of Toxicology</i> , 2017, 91, 365-391. | 4.2 | 16 |
| 93 | STRIP2 Is Indispensable for the Onset of Embryonic Stem Cell Differentiation. <i>Molecular Therapy - Methods and Clinical Development</i> , 2017, 5, 116-129. | 4.1 | 16 |
| 94 | Transcriptional profiling of CD31 ⁺ cells isolated from murine embryonic stem cells. <i>Genes To Cells</i> , 2009, 14, 243-260. | 1.2 | 15 |
| 95 | A comparative transcriptomic study on the effects of valproic acid on two different hESCs lines in a neural teratogenicity test system. <i>Toxicology Letters</i> , 2014, 231, 38-44. | 0.8 | 14 |
| 96 | Modulation of Differentiation Processes in Murine Embryonic Stem Cells Exposed to Parabolic Flight-Induced Acute Hypergravity and Microgravity. <i>Stem Cells and Development</i> , 2018, 27, 838-847. | 2.1 | 14 |
| 97 | Cholesterol Enhances Platelet-Derived Growth Factor-BB-Induced [Ca ²⁺] and DNA Synthesis in Rat Aortic Smooth Muscle Cells. <i>Hypertension</i> , 1997, 29, 326-333. | 2.7 | 13 |
| 98 | Laminin promotes differentiation of rat embryonic stem cells into cardiomyocytes by activating the integrin/FAK/PI3K p85 pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 3629-3640. | 3.6 | 13 |
| 99 | Kinetic modeling of stem cell transcriptome dynamics to identify regulatory modules of normal and disturbed neuroectodermal differentiation. <i>Nucleic Acids Research</i> , 2020, 48, 12577-12592. | 14.5 | 13 |
| 100 | Impairment of human neural crest cell migration by prolonged exposure to interferon-beta. <i>Archives of Toxicology</i> , 2017, 91, 3385-3402. | 4.2 | 12 |
| 101 | Parallel Genome-wide Profiling of Coding and Non-coding RNAs to Identify Novel Regulatory Elements in Embryonic and Maturated Heart. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 12, 158-173. | 5.1 | 12 |
| 102 | IGF2 mRNA Binding Protein 2 Transgenic Mice Are More Prone to Develop a Ductular Reaction and to Progress Toward Cirrhosis. <i>Frontiers in Medicine</i> , 2019, 6, 179. | 2.6 | 12 |
| 103 | Cav3.2 T-Type Calcium Channels Are Physiologically Mandatory for the Auditory System. <i>Neuroscience</i> , 2019, 409, 81-100. | 2.3 | 12 |
| 104 | Gene Expression-Based Prediction of Neoadjuvant Chemotherapy Response in Early Breast Cancer: Results of the Prospective Multicenter EXPRESSION Trial. <i>Clinical Cancer Research</i> , 2021, 27, 2148-2158. | 7.0 | 12 |
| 105 | Microgravity-induced stress mechanisms in human stem cell-derived cardiomyocytes. <i>iScience</i> , 2022, 25, 104577. | 4.1 | 12 |
| 106 | Regulation of Mitogen-Activated Protein Kinase Cascades by Low Density Lipoprotein and Lysophosphatidic Acid. <i>Cellular Physiology and Biochemistry</i> , 2004, 14, 167-176. | 1.6 | 11 |
| 107 | Parabolic, Flight-Induced, Acute Hypergravity and Microgravity Effects on the Beating Rate of Human Cardiomyocytes. <i>Cells</i> , 2019, 8, 352. | 4.1 | 11 |
| 108 | Low density lipoprotein enhances the thrombin-induced growth of vascular smooth muscle cells. <i>Cardiovascular Research</i> , 1997, 36, 92-100. | 3.8 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Exogenous WNT5A and WNT11 proteins rescue CITED2 dysfunction in mouse embryonic stem cells and zebrafish morphants. <i>Cell Death and Disease</i> , 2019, 10, 582. | 6.3 | 9 |
| 110 | Are catechins natural tyrosine kinase inhibitors?. <i>Drug News and Perspectives</i> , 2002, 15, 432. | 1.5 | 9 |
| 111 | Functional Characterization and Gene Expression Profiling of β -Smooth Muscle Actin Expressing Cardiomyocytes Derived from Murine Induced Pluripotent Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 229-242. | 5.6 | 8 |
| 112 | Radiation Response of Murine Embryonic Stem Cells. <i>Cells</i> , 2020, 9, 1650. | 4.1 | 8 |
| 113 | Cyclooxygenases Inhibitors Efficiently Induce Cardiomyogenesis in Human Pluripotent Stem Cells. <i>Cells</i> , 2020, 9, 554. | 4.1 | 8 |
| 114 | Depletion of Mageb16 induces differentiation of pluripotent stem cells predominantly into mesodermal derivatives. <i>Scientific Reports</i> , 2017, 7, 14285. | 3.3 | 7 |
| 115 | Epigenetic Mechanisms Involved in the Cardiovascular Toxicity of Anticancer Drugs. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 658900. | 2.4 | 7 |
| 116 | Persistence of intramyocardially transplanted murine induced pluripotent stem cell-derived cardiomyocytes from different developmental stages. <i>Stem Cell Research and Therapy</i> , 2021, 12, 46. | 5.5 | 7 |
| 117 | Live-Cell Imaging of the Contractile Velocity and Transient Intracellular Ca ²⁺ Fluctuations in Human Stem Cell-Derived Cardiomyocytes. <i>Cells</i> , 2022, 11, 1280. | 4.1 | 7 |
| 118 | Somitovasculin, a Novel Endothelial-Specific Transcript Involved in the Vasculature Development. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1823-1829. | 2.4 | 6 |
| 119 | First steps towards the successful surface-based cultivation of human embryonic stem cells in hanging drop systems. <i>Engineering in Life Sciences</i> , 2012, 12, 584-587. | 3.6 | 6 |
| 120 | Enhanced hippocampal type II theta activity AND altered theta architecture in mice lacking the Cav3.2 T-type voltage-gated calcium channel. <i>Scientific Reports</i> , 2021, 11, 1099. | 3.3 | 6 |
| 121 | ERG1 plays an essential role in rat cardiomyocyte fate decision by mediating AKT signaling. <i>Stem Cells</i> , 2021, 39, 443-457. | 3.2 | 6 |
| 122 | Global transcriptomic analysis of murine embryonic stem cell-derived brachyury ⁺ (T) cells. <i>Genes To Cells</i> , 2010, 15, 209-228. | 1.2 | 5 |
| 123 | Effect of chemopreventive agents on differentiation of mouse embryonic stem cells. <i>Frontiers in Bioscience - Elite</i> , 2012, E4, 156-168. | 1.8 | 5 |
| 124 | Identification of potential biomarkers of hepatitis B-induced acute liver failure using hepatic cells derived from human skin precursors. <i>Toxicology in Vitro</i> , 2015, 29, 1231-1239. | 2.4 | 4 |
| 125 | Pipette-based Method to Study Embryoid Body Formation Derived from Mouse and Human Pluripotent Stem Cells Partially Recapitulating Early Embryonic Development Under Simulated Microgravity Conditions. <i>Microgravity Science and Technology</i> , 2016, 28, 287-295. | 1.4 | 4 |
| 126 | Persistence of Epigenomic Effects After Recovery From Repeated Treatment With Two Nephrocarcinogens. <i>Frontiers in Genetics</i> , 2018, 9, 558. | 2.3 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 127 | The Potential Application of Biomaterials in Cardiac Stem Cell Therapy. <i>Current Medicinal Chemistry</i> , 2016, 23, 589-602. | 2.4 | 4 |
| 128 | Application of the Pluripotent Stem Cells and Genomics in Cardiovascular Research—What We Have Learnt and Not Learnt until Now. <i>Cells</i> , 2021, 10, 3112. | 4.1 | 4 |
| 129 | Classification of Developmental Toxicants in a Human iPSC Transcriptomics-Based Test. <i>Chemical Research in Toxicology</i> , 2022, , . | 3.3 | 4 |
| 130 | Effect of chemopreventive agents on differentiation of mouse embryonic stem cells. <i>Frontiers in Bioscience - Elite</i> , 2012, E4, 156. | 1.8 | 3 |
| 131 | Stem cells and differentiation — a synoptic review of patents granted since 2009. <i>Expert Opinion on Therapeutic Patents</i> , 2015, 25, 663-673. | 5.0 | 3 |
| 132 | Data Acquisition and Analysis In Brainstem Evoked Response Audiometry In Mice. <i>Journal of Visualized Experiments</i> , 2019, , . | 0.3 | 3 |
| 133 | Functional implications of Cav2.3 R-type voltage-gated calcium channels in the murine auditory system — novel vistas from brainstem-evoked response audiometry. <i>European Journal of Neuroscience</i> , 2020, 51, 1583-1604. | 2.6 | 3 |
| 134 | High-throughput base editing: a promising technology for precision medicine and drug discovery. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 221. | 17.1 | 3 |
| 135 | Gender specific click and tone burst evoked ABR datasets from mice lacking the Cav2.3 R-type voltage-gated calcium channel. <i>Data in Brief</i> , 2018, 21, 1263-1266. | 1.0 | 2 |
| 136 | Transcriptional changes associated with advancing stages of heart failure underlie atrial and ventricular arrhythmogenesis. <i>PLoS ONE</i> , 2019, 14, e0216928. | 2.5 | 2 |
| 137 | Gender specific click and tone burst evoked ABR datasets from mice lacking the Cav3.2 T-type voltage-gated calcium channel. <i>BMC Research Notes</i> , 2019, 12, 157. | 1.4 | 2 |
| 138 | Highlight report: Cardiotoxicity screening. <i>EXCLI Journal</i> , 2016, 15, 163-5. | 0.7 | 2 |
| 139 | Cardiovascular genomics. <i>Stem Cell Reviews and Reports</i> , 2006, 2, 59-66. | 5.6 | 1 |
| 140 | Detection of Novel Potential Regulators of Stem Cell Differentiation and Cardiogenesis through Combined Genome-Wide Profiling of Protein-Coding Transcripts and microRNAs. <i>Cells</i> , 2021, 10, 2477. | 4.1 | 1 |
| 141 | Culture of Embryoid Bodies. , 2005, , 577-591. | | 0 |
| 142 | Embryonic Stem Cells and Their Therapeutic Potential. , 2008, , 29-57. | | 0 |
| 143 | Epigallocatechin-3-gallate inhibits the angiotensin II-induced adhesion molecule expression in human umbilical vein endothelial cell via inhibition of MAPK pathways. <i>FASEB Journal</i> , 2008, 22, 912.43. | 0.5 | 0 |
| 144 | Human Induced Pluripotent Stem Cells: Role in Patient-Specific Drug Discovery. , 2012, , 257-263. | | 0 |