

Abdelkrim Hmadcha

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

2,511
citations

172207

29
h-index

205818

48
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85
all docs

85
docs citations

85
times ranked

4030
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Cardiac protection induced by urocortin-2 enables the regulation of apoptosis and fibrosis after ischemia and reperfusion involving miR-29a modulation. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 27, 838-853. | 2.3 | 8 |
| 2 | Pdx1 Is Transcriptionally Regulated by EGR-1 during Nitric Oxide-Induced Endoderm Differentiation of Mouse Embryonic Stem Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3920. | 1.8 | 0 |
| 3 | Tissue engineered in-vitro vascular patch fabrication using hybrid 3D printing and electrospinning. <i>Materials Today Bio</i> , 2022, 14, 100252. | 2.6 | 7 |
| 4 | Human Omental Mesothelial Cells Impart an Immunomodulatory Landscape Impeding B- and T-Cell Activation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5924. | 1.8 | 1 |
| 5 | Extra virgin olive oil improved body weight and insulin sensitivity in high fat diet-induced obese LDLr ^{-/-} /ApoE ^{-/-} .Leiden mice without attenuation of steatohepatitis. <i>Scientific Reports</i> , 2021, 11, 8250. | 1.6 | 14 |
| 6 | A new shortened protocol to obtain islet-like cells from hESC-derived ductal cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2021, 57, 587-597. | 0.7 | 0 |
| 7 | Stemness of Human Pluripotent Cells: Hypoxia-Like Response Induced by Low Nitric Oxide. <i>Antioxidants</i> , 2021, 10, 1408. | 2.2 | 3 |
| 8 | Efficacy and safety of intramuscular administration of allogeneic adipose tissue derived and expanded mesenchymal stromal cells in diabetic patients with critical limb ischemia with no possibility of revascularization: study protocol for a randomized controlled double-blind phase II clinical trial (The NOMA Trial). <i>Trials</i> , 2021, 22, 595. | 0.7 | 7 |
| 9 | miR-21 mimic blocks obesity in mice: A novel therapeutic option. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 26, 401-416. | 2.3 | 20 |
| 10 | Editorial: A Compendium of Recent Research on Stem Cell-Based Therapy for Covid-19. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 813384. | 1.8 | 0 |
| 11 | Therapeutic Potential of Mesenchymal Stem Cells for Cancer Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 43. | 2.0 | 204 |
| 12 | Generation of pancreatic islets from stem cells. , 2020, , 657-664. | | 0 |
| 13 | Non-coding RNAs and Ischemic Cardiovascular Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1229, 259-271. | 0.8 | 6 |
| 14 | Extra virgin olive oil diet intervention improves insulin resistance and islet performance in diet-induced diabetes in mice. <i>Scientific Reports</i> , 2019, 9, 11311. | 1.6 | 23 |
| 15 | Oestrogen receptor $\hat{1}^2$ mediates the actions of bisphenol-A on ion channel expression in mouse pancreatic beta cells. <i>Diabetologia</i> , 2019, 62, 1667-1680. | 2.9 | 46 |
| 16 | Cost-Effective, Safe, and Personalized Cell Therapy for Critical Limb Ischemia in Type 2 Diabetes Mellitus. <i>Frontiers in Immunology</i> , 2019, 10, 1151. | 2.2 | 52 |
| 17 | Human Mesenchymal Stem Cells Prevent Neurological Complications of Radiotherapy. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 204. | 1.8 | 43 |
| 18 | Dissecting the Brain/Islet Axis in Metabesity. <i>Genes</i> , 2019, 10, 350. | 1.0 | 11 |

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|----|---|-----|-----------|
| 19 | TRP Channels: Current Perspectives in the Adverse Cardiac Remodeling. <i>Frontiers in Physiology</i> , 2019, 10, 159. | 1.3 | 49 |
| 20 | Corneal Regeneration: Use of Extracorneal Stem Cells. <i>Essentials in Ophthalmology</i> , 2019, , 123-144. | 0.0 | 3 |
| 21 | Stem Cells: Concept, Properties, and Characterization. <i>Essentials in Ophthalmology</i> , 2019, , 41-55. | 0.0 | 1 |
| 22 | Corneal Stem Cells: Identification and Methods of Ex Vivo Expansion. <i>Essentials in Ophthalmology</i> , 2019, , 57-75. | 0.0 | 0 |
| 23 | Inadequate control of thyroid hormones sensitizes to hepatocarcinogenesis and unhealthy aging. <i>Aging</i> , 2019, 11, 7746-7779. | 1.4 | 12 |
| 24 | Impact of Diabetes on Cardiac and Vascular Disease: Role of Calcium Signaling. <i>Current Medicinal Chemistry</i> , 2019, 26, 4166-4177. | 1.2 | 10 |
| 25 | OR23-3 Differential Effects of Chronic Exposure to Bisphenol-A on Ion Channel Activity and Expression in Mouse Pancreatic Beta-Cells. <i>Journal of the Endocrine Society</i> , 2019, 3, . | 0.1 | 0 |
| 26 | LRH-1 agonism favours an immune-islet dialogue which protects against diabetes mellitus. <i>Nature Communications</i> , 2018, 9, 1488. | 5.8 | 50 |
| 27 | The type 2 diabetes-associated HMG20A gene is mandatory for islet beta cell functional maturity. <i>Cell Death and Disease</i> , 2018, 9, 279. | 2.7 | 36 |
| 28 | PDGF Restores the Defective Phenotype of Adipose-Derived Mesenchymal Stromal Cells from Diabetic Patients. <i>Molecular Therapy</i> , 2018, 26, 2696-2709. | 3.7 | 56 |
| 29 | Adipose-derived mesenchymal stem cells (AdMSC) for the treatment of secondary-progressive multiple sclerosis: A triple blinded, placebo controlled, randomized phase I/II safety and feasibility study. <i>PLoS ONE</i> , 2018, 13, e0195891. | 1.1 | 112 |
| 30 | Urocortin-2 Prevents Dysregulation of Ca ²⁺ Homeostasis and Improves Early Cardiac Remodeling After Ischemia and Reperfusion. <i>Frontiers in Physiology</i> , 2018, 9, 813. | 1.3 | 21 |
| 31 | miR-7 Modulates hESC Differentiation into Insulin-Producing Beta-like Cells and Contributes to Cell Maturation. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 12, 463-477. | 2.3 | 33 |
| 32 | miR-125a, miR-139 and miR-324 contribute to Urocortin protection against myocardial ischemia-reperfusion injury. <i>Scientific Reports</i> , 2017, 7, 8898. | 1.6 | 50 |
| 33 | Zn ²⁺ chelation by serum albumin improves hexameric Zn ²⁺ -insulin dissociation into monomers after exocytosis. <i>PLoS ONE</i> , 2017, 12, e0187547. | 1.1 | 17 |
| 34 | Differentiation of Mouse Embryonic Stem Cells toward Functional Pancreatic Î ² -Cell Surrogates through Epigenetic Regulation of <i>Pdx1</i> by Nitric Oxide. <i>Cell Transplantation</i> , 2016, 25, 1879-1892. | 1.2 | 15 |
| 35 | A Role for the Host in the Roadmap to Diabetes Stem Cell Therapy. <i>Diabetes</i> , 2016, 65, 1155-1157. | 0.3 | 9 |
| 36 | Nitric Oxide Prevents Mouse Embryonic Stem Cell Differentiation Through Regulation of Gene Expression, Cell Signaling, and Control of Cell Proliferation. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 2078-2088. | 1.2 | 15 |

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|----|--|-----|-----------|
| 37 | Derivation of HVR1, HVR2 and HVR3 human embryonic stem cell lines from IVF embryos after preimplantation genetic diagnosis (PGD) for monogenic disorder. <i>Stem Cell Research</i> , 2016, 16, 635-639. | 0.3 | 1 |
| 38 | Impact of transient down-regulation of DREAM in human embryonic stem cell pluripotency. <i>Stem Cell Research</i> , 2016, 16, 568-578. | 0.3 | 6 |
| 39 | Nitric Oxide And Hypoxia Response In Pluripotent Stem Cells. <i>Redox Biology</i> , 2015, 5, 417-418. | 3.9 | 4 |
| 40 | Use of Mesothelial Cells and Biological Matrices for Tissue Engineering of Simple Epithelium Surrogates. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 117. | 2.0 | 26 |
| 41 | Resveratrol Ameliorates the Maturation Process of β -Cell-Like Cells Obtained from an Optimized Differentiation Protocol of Human Embryonic Stem Cells. <i>PLoS ONE</i> , 2015, 10, e0119904. | 1.1 | 29 |
| 42 | Myocardial Ischemic Subject's Thymus Fat: A Novel Source of Multipotent Stromal Cells. <i>PLoS ONE</i> , 2015, 10, e0144401. | 1.1 | 5 |
| 43 | Bottlenecks in the Efficient Use of Advanced Therapy Medicinal Products Based on Mesenchymal Stromal Cells. <i>Stem Cells International</i> , 2015, 2015, 1-12. | 1.2 | 58 |
| 44 | Using stem cells to produce insulin. <i>Expert Opinion on Biological Therapy</i> , 2015, 15, 1469-1489. | 1.4 | 19 |
| 45 | Rapid transient isoform-specific neuregulin1 transcription in motor neurons is regulated by neurotrophic factors and axon-target interactions. <i>Molecular and Cellular Neurosciences</i> , 2015, 68, 73-81. | 1.0 | 11 |
| 46 | EGF-induced adipose tissue mesothelial cells undergo functional vascular smooth muscle differentiation. <i>Cell Death and Disease</i> , 2014, 5, e1304-e1304. | 2.7 | 18 |
| 47 | Transient Downregulation of Nanog and Oct4 Induced by DETA/NO Exposure in Mouse Embryonic Stem Cells Leads to Mesodermal/Endodermal Lineage Differentiation. <i>Stem Cells International</i> , 2014, 2014, 1-11. | 1.2 | 7 |
| 48 | Standard Requirement of a Microbiological Quality Control Program for the Manufacture of Human Mesenchymal Stem Cells for Clinical Use. <i>Stem Cells and Development</i> , 2014, 23, 1074-1083. | 1.1 | 35 |
| 49 | Study of the stability of packaging and storage conditions of human mesenchymal stem cell for intra-arterial clinical application in patient with critical limb ischemia. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 86, 459-468. | 2.0 | 32 |
| 50 | Generation of Pancreatic Islets from Stem Cells. , 2014, , 837-847. | | 4 |
| 51 | Mesothelial Cells: A Cellular Surrogate for Tissue Engineering of Corneal Endothelium. , 2014, 55, 5967. | | 21 |
| 52 | Development of a cell-based medicinal product: regulatory structures in the European Union. <i>British Medical Bulletin</i> , 2013, 105, 85-105. | 2.7 | 43 |
| 53 | Single Mechanosensitive and Ca ²⁺ -Sensitive Channel Currents Recorded from Mouse and Human Embryonic Stem Cells. <i>Journal of Membrane Biology</i> , 2013, 246, 215-230. | 1.0 | 15 |
| 54 | Adipose Mesenchymal Stromal Cells Isolated From Type 2 Diabetic Patients Display Reduced Fibrinolytic Activity. <i>Diabetes</i> , 2013, 62, 4266-4269. | 0.3 | 63 |

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|----|--|-----|-----------|
| 55 | Zebularine regulates early stages of mESC differentiation: effect on cardiac commitment. <i>Cell Death and Disease</i> , 2013, 4, e570-e570. | 2.7 | 21 |
| 56 | Functional Vascular Smooth Muscle-like Cells Derived from Adult Mouse Uterine Mesothelial Cells. <i>PLoS ONE</i> , 2013, 8, e55181. | 1.1 | 25 |
| 57 | Preconditioning of Microglia by $\hat{\pm}$ -Synuclein Strongly Affects the Response Induced by Toll-like Receptor (TLR) Stimulation. <i>PLoS ONE</i> , 2013, 8, e79160. | 1.1 | 92 |
| 58 | The immortal strand hypothesis: still non-randomly segregating opinions. <i>Biomolecular Concepts</i> , 2012, 3, 203-211. | 1.0 | 3 |
| 59 | Angiographic Demonstration of Neoangiogenesis after Intra-arterial Infusion of Autologous Bone Marrow Mononuclear Cells in Diabetic Patients with Critical Limb Ischemia. <i>Cell Transplantation</i> , 2011, 20, 1629-1639. | 1.2 | 75 |
| 60 | ANGIOGRAPHIC DEMONSTRATION OF NEOANGIOGENESIS AFTER INTRA-ARTERIAL INFUSION OF AUTOLOGOUS BONE MARROW MONONUCLEAR CELLS IN DIABETIC PATIENTS WITH CRITICAL LIMB ISCHAEMIA. <i>Cell Transplantation</i> , 2011, , . | 1.2 | 0 |
| 61 | Sirtuin 1 regulation of developmental genes during differentiation of stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13736-13741. | 3.3 | 154 |
| 62 | Nitric oxide repression of Nanog promotes mouse embryonic stem cell differentiation. <i>Cell Death and Differentiation</i> , 2010, 17, 1025-1033. | 5.0 | 64 |
| 63 | Histone H1 Poly[ADP]-Ribosylation Regulates the Chromatin Alterations Required for Learning Consolidation. <i>Journal of Neuroscience</i> , 2010, 30, 13305-13313. | 1.7 | 63 |
| 64 | Low concentrations of nitric oxide delay the differentiation of embryonic stem cells and promote their survival. <i>Cell Death and Disease</i> , 2010, 1, e80-e80. | 2.7 | 62 |
| 65 | MALDI-TOF Mass Array Analysis of RASSF1A and SERPINB5 Methylation Patterns in Human Placenta and Plasma1. <i>Biology of Reproduction</i> , 2010, 82, 745-750. | 1.2 | 39 |
| 66 | Pancreatic islet cells: A model for calciumâ€dependent peptide release. <i>HFSP Journal</i> , 2010, 4, 52-60. | 2.5 | 13 |
| 67 | The immune boundaries for stem cell based therapies: problems and prospective solutions. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 1464-1475. | 1.6 | 38 |
| 68 | Nitric oxide mediates the survival action of IGF-1 and insulin in pancreatic \hat{I}^2 cells. <i>Cellular Signalling</i> , 2008, 20, 301-310. | 1.7 | 18 |
| 69 | Cell Therapy for Diabetes Mellitus: An Opportunity for Stem Cells?. <i>Cells Tissues Organs</i> , 2008, 188, 70-77. | 1.3 | 22 |
| 70 | PROTEIN TRANSDUCTION TECHNOLOGY FOR STEM CELL REPROGRAMMING: A NOVEL STRATEGY TO OBTAIN INSULIN-PRODUCING CELLS. <i>Transplantation</i> , 2008, 86, 759-760. | 0.5 | 0 |
| 71 | Cancer Genes Hypermethylated in Human Embryonic Stem Cells. <i>PLoS ONE</i> , 2008, 3, e3294. | 1.1 | 75 |
| 72 | Role of Ca ²⁺ -Independent Phospholipase A ₂ and Store-Operated Pathway in Urocortin-Induced Vasodilatation of Rat Coronary Artery. <i>Circulation Research</i> , 2007, 101, 1194-1203. | 2.0 | 55 |

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|----|---|-----|-----------|
| 73 | Generation of Islets from Stem Cells. , 2007, , 605-618. | | 1 |
| 74 | Neuregulin Expression at Neuromuscular Synapses Is Modulated by Synaptic Activity and Neurotrophic Factors. Journal of Neuroscience, 2002, 22, 2206-2214. | 1.7 | 79 |
| 75 | Fragile X founder effect and distribution of CCG repeats among the mentally retarded population of Andalusia, South Spain. Genetics and Molecular Biology, 2002, 25, 01-06. | 0.6 | 3 |
| 76 | Melatonin is responsible for the nocturnal increase observed in serum and thymus of thymosin $\hat{1}\pm 1$ and thymulin concentrations: observations in rats and humans. Journal of Neuroimmunology, 2000, 103, 180-188. | 1.1 | 55 |
| 77 | Methylation-Dependent Gene Silencing Induced by Interleukin $1\hat{1}^2$ via Nitric Oxide Production. Journal of Experimental Medicine, 1999, 190, 1595-1604. | 4.2 | 192 |
| 78 | Phenylarsine Oxide Increases Intracellular Calcium Mobility and Inhibits Ca^{2+} -Dependent ATPase Activity in Thymocytes. Molecular Genetics and Metabolism, 1999, 68, 363-370. | 0.5 | 10 |
| 79 | Assessment of FMRI expression by reverse transcriptase-polymerase chain reaction of KH domains. Translational Research, 1998, 131, 170-173. | 2.4 | 9 |
| 80 | Instability of the CCG repeat at the FRAXA locus and variable phenotypic expression in a large fragile X pedigree.. Journal of Medical Genetics, 1995, 32, 907-908. | 1.5 | 12 |
| 81 | Stemness of Human Pluripotent Cells: Hypoxia-Dependent Effect of Nitric Oxide. SSRN Electronic Journal, 0, , . | 0.4 | 0 |