

# Elena Matsa

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

4,162  
citations

304602

22  
h-index

552653

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

5949  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | INSPIRE: A European training network to foster research and training in cardiovascular safety pharmacology. <i>Journal of Pharmacological and Toxicological Methods</i> , 2020, 105, 106889.          | 0.3  | 4         |
| 2  | Using Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes as a Model to Study <i>Trypanosoma cruzi</i> Infection. <i>Stem Cell Reports</i> , 2019, 12, 1232-1241.                              | 2.3  | 29        |
| 3  | Passive Stretch Induces Structural and Functional Maturation of Engineered Heart Muscle as Predicted by Computational Modeling. <i>Stem Cells</i> , 2018, 36, 265-277.                                | 1.4  | 111       |
| 4  | High-throughput screening of tyrosine kinase inhibitor cardiotoxicity with human induced pluripotent stem cells. <i>Science Translational Medicine</i> , 2017, 9, .                                   | 5.8  | 297       |
| 5  | 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.         | 2.0  | 56        |
| 6  | Accurate nanoelectrode recording of human pluripotent stem cell-derived cardiomyocytes for assaying drugs and modeling disease. <i>Microsystems and Nanoengineering</i> , 2017, 3, 16080.             | 3.4  | 49        |
| 7  | Alloimmune Responses of Humanized Mice to Human Pluripotent Stem Cell Therapeutics. <i>Cell Reports</i> , 2017, 20, 1978-1990.  | 2.9  | 31        |
| 8  | Human induced pluripotent stem cell-derived cardiomyocytes recapitulate the predilection of breast cancer patients to doxorubicin-induced cardiotoxicity. <i>Nature Medicine</i> , 2016, 22, 547-556. | 15.2 | 573       |
| 9  | Alternative approaches to generating cardiomyocytes are under development. <i>Nature Reviews Cardiology</i> , 2016, 13, 574-574.  | 6.1  | 1         |
| 10 | Transcriptome Profiling of Patient-Specific Human iPSC-Cardiomyocytes Predicts Individual Drug Safety and Efficacy Responses In Vitro. <i>Cell Stem Cell</i> , 2016, 19, 311-325.                     | 5.2  | 131       |
| 11 | Human Induced Pluripotent Stem Cells as a Platform for Personalized and Precision Cardiovascular Medicine. <i>Physiological Reviews</i> , 2016, 96, 1093-1126.  | 13.1 | 93        |
| 12 | Induced pluripotent stem cells: at the heart of cardiovascular precision medicine. <i>Nature Reviews Cardiology</i> , 2016, 13, 333-349.  | 6.1  | 152       |
| 13 | Cardiomyopathy. , 2016, , 11-26.  |      | 0         |
| 14 | Modeling Cardiovascular Diseases with Patient-Specific Human Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Methods in Molecular Biology</i> , 2015, 1353, 119-130.                                 | 0.4  | 35        |
| 15 | Epigenetic Regulation of Phosphodiesterases 2A and 3A Underlies Compromised $\beta$ -Adrenergic Signaling in an iPSC Model of Dilated Cardiomyopathy. <i>Cell Stem Cell</i> , 2015, 17, 89-100.       | 5.2  | 170       |
| 16 | Allele-specific RNA interference rescues the long-QT syndrome phenotype in human-induced pluripotency stem cell cardiomyocytes. <i>European Heart Journal</i> , 2014, 35, 1078-1087.                  | 1.0  | 107       |
| 17 | Aberrant $\beta$ -Adrenergic Hypertrophic Response in Cardiomyocytes from Human Induced Pluripotent Cells. <i>Stem Cell Reports</i> , 2014, 3, 905-914.   | 2.3  | 46        |
| 18 | Human Stem Cells for Modeling Heart Disease and for Drug Discovery. <i>Science Translational Medicine</i> , 2014, 6, 239ps6.  | 5.8  | 175       |

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|----|--|-----|-----------|
| 19 | Cardiac Stem Cell Biology. <i>Circulation Research</i> , 2014, 114, 21-27.   | 2.0 | 54        |
| 20 | Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes as an In Vitro Model for Coxsackievirus B3-Induced Myocarditis and Antiviral Drug Screening Platform. <i>Circulation Research</i> , 2014, 115, 556-566. | 2.0 | 134       |
| 21 | Chemically defined generation of human cardiomyocytes. <i>Nature Methods</i> , 2014, 11, 855-860.  | 9.0 | 1,320     |
| 22 | Current status of drug screening and disease modelling in human pluripotent stem cells. <i>BioEssays</i> , 2013, 35, 281-298.  | 1.2 | 89        |
| 23 | In Vitro Uses of Human Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Journal of Cardiovascular Translational Research</i> , 2012, 5, 581-592.   | 1.1 | 23        |
| 24 | Faster generation of hiPSCs by coupling high-titer lentivirus and column-based positive selection. <i>Nature Protocols</i> , 2011, 6, 701-714.   | 5.5 | 24        |
| 25 | Two new protocols to enhance the production and isolation of human induced pluripotent stem cell lines. <i>Stem Cell Research</i> , 2011, 6, 158-167.  | 0.3 | 22        |
| 26 | Drug evaluation in cardiomyocytes derived from human induced pluripotent stem cells carrying a long QT syndrome type 2 mutation. <i>European Heart Journal</i> , 2011, 32, 952-962.                                | 1.0 | 363       |
| 27 | Feeder-free culture of human embryonic stem cells in conditioned medium for efficient genetic modification. <i>Nature Protocols</i> , 2008, 3, 1435-1443.  | 5.5 | 73        |