

# Alessandro Soloperto

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

204  
citations

1163065

8  
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1281846

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13  
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docs citations

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times ranked

302  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D Bioprinted Human Cortical Neural Constructs Derived from Induced Pluripotent Stem Cells. <i>Journal of Clinical Medicine</i> , 2019, 8, 1595.	2.4	43
2	Novel fragile X syndrome 2D and 3D brain models based on human isogenic FMRP-KO iPSCs. <i>Cell Death and Disease</i> , 2021, 12, 498.	6.3	38
3	Fast wide-volume functional imaging of engineered in vitro brain tissues. <i>Scientific Reports</i> , 2017, 7, 8499.	3.3	26
4	Conversion of Human Induced Pluripotent Stem Cells (iPSCs) into Functional Spinal and Cranial Motor Neurons Using PiggyBac Vectors. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	18
5	Bioprinting stem cells: building physiological tissues one cell at a time. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 319, C465-C480.	4.6	18
6	Mechano-sensitization of mammalian neuronal networks through expression of the bacterial mechanosensitive Mscl channel. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	16
7	Retinal and Brain Organoids: Bridging the Gap Between in vivo Physiology and in vitro Micro-Physiology for the Study of Alzheimer's Diseases. <i>Frontiers in Neuroscience</i> , 2020, 14, 655.	2.8	16
8	Rational design and synthesis of a novel BODIPY-based probe for selective imaging of tau tangles in human iPSC-derived cortical neurons. <i>Scientific Reports</i> , 2022, 12, 5257.	3.3	11
9	Modulation of Neural Network Activity through Single Cell Ablation: An in Vitro Model of Minimally Invasive Neurosurgery. <i>Molecules</i> , 2016, 21, 1018.	3.8	8
10	Laser Nano-Neurosurgery from Gentle Manipulation to Nano-Incision of Neuronal Cells and Scaffolds: An Advanced Neurotechnology Tool. <i>Frontiers in Neuroscience</i> , 2016, 10, 101.	2.8	5
11	Stem cell-based 3D brain organoids for mimicking, investigating, and challenging Alzheimer's diseases. <i>Neural Regeneration Research</i> , 2022, 17, 330.	3.0	5
12	Expression and Biophysical Characterization of Bacterial Mechano-Sensitive Ion Channel of Large Conductance into Mammalian Cells. <i>Biophysical Journal</i> , 2016, 110, 92a.	0.5	0