

# Josã© Celso Rocha

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

368  
citations

840776

11  
h-index

839539

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g-index

26  
all docs

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docs citations

26  
times ranked

364  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Method Based on Artificial Intelligence To Fully Automatize The Evaluation of Bovine Blastocyst Images. <i>Scientific Reports</i> , 2017, 7, 7659.	3.3	48
2	Artificial intelligence in the IVF laboratory: overview through the application of different types of algorithms for the classification of reproductive data. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 2359-2376.	2.5	45
3	Methods for assessing the quality of mammalian embryos: How far we are from the gold standard?. <i>Jornal Brasileiro De Reproducao Assistida</i> , 2016, 20, 150-8.	0.7	43
4	Artificial neural network associated to UV/Vis spectroscopy for monitoring bioreactions in biopharmaceutical processes. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 1045-1054.	3.4	40
5	An artificial intelligence model based on the proteomic profile of euploid embryos and blastocyst morphology: a preliminary study. <i>Reproductive BioMedicine Online</i> , 2021, 42, 340-350.	2.4	27
6	Artificial intelligence approach based on near-infrared spectral data for monitoring of solid-state fermentation. <i>Process Biochemistry</i> , 2016, 51, 1338-1347.	3.7	23
7	Automatized image processing of bovine blastocysts produced in vitro for quantitative variable determination. <i>Scientific Data</i> , 2017, 4, 170192.	5.3	22
8	Optimization of artificial neural network by genetic algorithm for describing viral production from uniform design data. <i>Process Biochemistry</i> , 2016, 51, 422-430.	3.7	20
9	A method using artificial neural networks to morphologically assess mouse blastocyst quality. <i>Journal of Animal Science and Technology</i> , 2014, 56, 15.	2.5	19
10	Use of ultraviolet-visible spectrophotometry associated with artificial neural networks as an alternative for determining the water quality index. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 319.	2.7	17
11	Modeling the species richness and abundance of lotic macroalgae based on habitat characteristics by artificial neural networks: a potentially useful tool for stream biomonitoring programs. <i>Journal of Applied Phycology</i> , 2017, 29, 2145-2153.	2.8	13
12	Brewing process optimization by artificial neural network and evolutionary algorithm approach. <i>Journal of Food Process Engineering</i> , 2019, 42, e13103.	2.9	9
13	Artificial Intelligence-Based Grading Quality of Bovine Blastocyst Digital Images: Direct Capture with Juxtaposed Lenses of Smartphone Camera and Stereomicroscope Ocular Lens. <i>Sensors</i> , 2018, 18, 4440.	3.8	6
14	Use of uniform designs in combination with neural networks for viral infection process development. <i>Biotechnology Progress</i> , 2015, 31, 532-540.	2.6	5
15	Artificial intelligence assessment of time-lapse images can predict with 77% accuracy whether a human embryo capable of achieving a pregnancy will miscarry. <i>Fertility and Sterility</i> , 2019, 112, e38-e39.	1.0	5
16	Using Artificial Intelligence to Improve the Evaluation of Human Blastocyst Morphology. , 2017, , .		5
17	Rapid monitoring of beer-quality attributes based on UV-Vis spectral data. <i>International Journal of Food Properties</i> , 0, , 1-14.	3.0	4
18	Longitudinal distribution and seasonality of macroalgae in a subtropical stream impacted by organic pollution. <i>Acta Limnologica Brasiliensia</i> , 2010, 22, 199-207.	0.4	4

#	ARTICLE	IF	CITATIONS
19	Is there any room to improve embryo selection? artificial intelligence technology applied for live birth prediction on blastocysts. <i>Fertility and Sterility</i> , 2019, 112, e77.	1.0	3
20	Mining of variables from embryo morphokinetics, blastocyst's morphology and patient parameters: an approach to predict the live birth in the assisted reproduction service. <i>Jornal Brasileiro De Reproducao Assistida</i> , 2020, 24, 470-479.	0.7	3
21	Utilização de redes neurais artificiais para a determinação do número de refeições diárias de um restaurante universitário. <i>Revista De Nutricao</i> , 2011, 24, 735-742.	0.4	2
22	Potential Use of Smartphone as a Tool to Capture Embryo Digital Images from Stereomicroscope and to Evaluate Them by an Artificial Neural Network. , 2017, , .		2
23	Distinct Sources of a Bovine Blastocyst Digital Image Do not Produce the Same Classification by a Previously Trained Software Using Artificial Neural Network. <i>Communications in Computer and Information Science</i> , 2019, , 139-153.	0.5	0
24	An Image Processing Protocol to Extract Variables Predictive of Human Embryo Fitness for Assisted Reproduction. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3531.	2.5	0