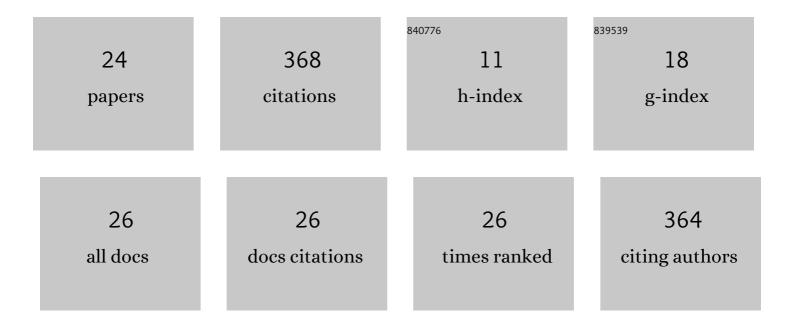
## José Celso Rocha

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A Method Based on Artificial Intelligence To Fully Automatize The Evaluation of Bovine Blastocyst Images. Scientific Reports, 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. Journal of Assisted Reproduction and Genetics, 2020, 37, 2359-2376.	2.5	45
3	Methods for assessing the quality of mammalian embryos: How far we are from the gold standard?. Jornal Brasileiro De Reproducao Assistida, 2016, 20, 150-8.	0.7	43
4	Artificial neural network associated to UV/Vis spectroscopy for monitoring bioreactions in biopharmaceutical processes. Bioprocess and Biosystems Engineering, 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. Reproductive BioMedicine Online, 2021, 42, 340-350.	2.4	27
6	Artificial intelligence approach based on near-infrared spectral data for monitoring of solid-state fermentation. Process Biochemistry, 2016, 51, 1338-1347.	3.7	23
7	Automatized image processing of bovine blastocysts produced in vitro for quantitative variable determination. Scientific Data, 2017, 4, 170192.	5.3	22
8	Optimization of artificial neural network by genetic algorithm for describing viral production from uniform design data. Process Biochemistry, 2016, 51, 422-430.	3.7	20
9	A method using artificial neural networks to morphologically assess mouse blastocyst quality. Journal of Animal Science and Technology, 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. Environmental Monitoring and Assessment, 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. Journal of Applied Phycology, 2017, 29, 2145-2153.	2.8	13
12	Brewing process optimization by artificial neural network and evolutionary algorithm approach. Journal of Food Process Engineering, 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. Sensors, 2018, 18, 4440.	3.8	6
14	Use of uniform designs in combination with neural networks for viral infection process development. Biotechnology Progress, 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. Fertility and Sterility, 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. International Journal of Food Properties, 0, , 1-14.	3.0	4
18	Longitudinal distribution and seasonality of macroalgae in a subtropical stream impacted by organic pollution. Acta Limnologica Brasiliensia, 2010, 22, 199-207.	0.4	4

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#	Article	IF	CITATIONS
19	Is there any room to improve embryo selection? artificial intelligence technology applied for ive birth prediction on blastocysts. Fertility and Sterility, 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. Jornal Brasileiro De Reproducao Assistida, 2020, 24, 470-479.	0.7	3
21	UtilizaÂ§Ă£o de redes neurais artificiais para a determinaÂ§Ă£o do número de refeições diárias de um restaurante universitário. Revista De Nutricao, 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. Communications in Computer and Information Science, 2019, , 139-153.	0.5	Ο
24	An Image Processing Protocol to Extract Variables Predictive of Human Embryo Fitness for Assisted Reproduction. Applied Sciences (Switzerland), 2022, 12, 3531.	2.5	0