JosÃ© Celso Rocha

List of Publications by Year
in descending order

24	368	840776 11	839539 18
papers	citations	h-index	g-index

26	26	26	364
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Image Processing Protocol to Extract Variables Predictive of Human Embryo Fitness for Assisted Reproduction. Applied Sciences (Switzerland), 2022, 12, 3531.	2.5	0
2	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
3	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
4	Mining of variables from embryo morphokinetics, blastocystâ€™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
5	Brewing process optimization by artificial neural network and evolutionary algorithm approach. Journal of Food Process Engineering, 2019, 42, e13103.	2.9	9
6	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
7	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
8	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	0
9	Use of ultravioletâ€“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
10	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
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	A Method Based on Artificial Intelligence To Fully Automatize The Evaluation of Bovine Blastocyst Images. Scientific Reports, 2017, 7, 7659.	3.3	48
13	Automatized image processing of bovine blastocysts produced in vitro for quantitative variable determination. Scientific Data, 2017, 4, 170192.	5.3	22
14	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
15	Using Artificial Intelligence to Improve the Evaluation of Human Blastocyst Morphology. , 2017, , .		5
16	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
17	Artificial intelligence approach based on near-infrared spectral data for monitoring of solid-state fermentation. Process Biochemistry, 2016, 51, 1338-1347.	3.7	23
18	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

#	Article	IF	Citations
19	Use of uniform designs in combination with neural networks for viral infection process development. Biotechnology Progress, 2015, 31, 532-540.	2.6	5
20	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
21	A method using artificial neural networks to morphologically assess mouse blastocyst quality. Journal of Animal Science and Technology, 2014, 56, 15.	2.5	19
22	UtilizaÃ§Ã£o de redes neurais artificiais para a determinaÃ§Ã£o do nÃºmero de refeiÃ§Ãµes diÃ¡rias de um restaurante universitÃ¡rio. Revista De Nutricao, 2011, 24, 735-742.	0.4	2
23	Longitudinal distribution and seasonality of macroalgae in a subtropical stream impacted by organic pollution. Acta Limnologica Brasiliensia, 2010, 22, 199-207.	0.4	4
24	Rapid monitoring of beer-quality attributes based on UV-Vis spectral data. International Journal of Food Properties, 0, , 1-14.	3.0	4