

Chuan Lu

List of Publications by Year in descending order

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42
papers

1,307
citations

516710
16
h-index

361022
35
g-index

45
all docs

45
docs citations

45
times ranked

1619
citing authors

#	ARTICLE	IF	CITATIONS
1	The accuracy of transvaginal ultrasonography for the diagnosis of ectopic pregnancy prior to surgery. <i>Human Reproduction</i> , 2005, 20, 1404-1409.	0.9	267
2	Artificial intelligence: A powerful paradigm for scientific research. <i>Innovation(China)</i> , 2021, 2, 100179.	9.1	200
3	The metabolic transition during disease following infection of <i>Arabidopsis thaliana</i> by <i>Pseudomonas syringae</i> pv. <i>tomato</i> . <i>Plant Journal</i> , 2010, 63, 443-457.	5.7	179
4	Prospective Internal Validation of Mathematical Models to Predict Malignancy in Adnexal Masses: Results from the International Ovarian Tumor Analysis Study. <i>Clinical Cancer Research</i> , 2009, 15, 684-691.	7.0	97
5	Further developments towards a genome-scale metabolic model of yeast. <i>BMC Systems Biology</i> , 2010, 4, 145.	3.0	95
6	External Validation of Mathematical Models to Distinguish Between Benign and Malignant Adnexal Tumors: A Multicenter Study by the International Ovarian Tumor Analysis Group. <i>Clinical Cancer Research</i> , 2007, 13, 4440-4447.	7.0	65
7	An investigation into the population abundance distribution of mRNAs, proteins, and metabolites in biological systems. <i>Bioinformatics</i> , 2009, 25, 2020-2027.	4.1	45
8	Metabolomic-based biomarker discovery for non-invasive lung cancer screening: A case study. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2682-2687.	2.4	33
9	Bagging Linear Sparse Bayesian Learning Models for Variable Selection in Cancer Diagnosis. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2007, 11, 338-347.	3.2	28
10	Can we improve the prediction of pouch of Douglas obliteration in women with suspected endometriosis using ultrasound-based models? A multicenter prospective observational study. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2015, 94, 1297-1306.	2.8	27
11	The association between ultrasound-based "soft markers" and endometriosis type/location: A prospective observational study. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2019, 234, 171-178.	1.1	26
12	DeepPod: a convolutional neural network based quantification of fruit number in <i>Arabidopsis</i> . <i>GigaScience</i> , 2020, 9, .	6.4	25
13	The use of power Doppler colour scoring to predict successful expectant management in women with an incomplete miscarriage. <i>Human Reproduction</i> , 2012, 27, 669-675.	0.9	21
14	Prediction of subsequent miscarriage risk in women who present with a viable pregnancy at the first early pregnancy scan. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2015, 55, 464-472.	1.0	21
15	Ultrasound-Based Endometriosis Staging System: Validation Study to Predict Complexity of Laparoscopic Surgery. <i>Journal of Minimally Invasive Gynecology</i> , 2019, 26, 477-483.	0.6	21
16	A Multicenter International Temporal and External Validation Study of the Ultrasound-based Endometriosis Staging System. <i>Journal of Minimally Invasive Gynecology</i> , 2021, 28, 57-62.	0.6	16
17	On the formalization and reuse of scientific research. <i>Journal of the Royal Society Interface</i> , 2011, 8, 1440-1448.	3.4	15
18	Machine Learning and Network Methods for Biology and Medicine. <i>Computational and Mathematical Methods in Medicine</i> , 2015, 2015, 1-2.	1.3	15

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19	THE ANALYSIS OF YEAST CELL MORPHOLOGY FEATURES IN EXPONENTIAL AND STATIONARY PHASE. <i>Journal of Biological Systems</i> , 2011, 19, 561-575.	1.4	14
20	To determine the optimal ultrasonographic screening method for rectal/rectosigmoid deep endometriosis: Ultrasound –sliding sign, –transvaginal ultrasound direct visualization or both?. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2018, 97, 1287-1292.	2.8	12
21	A Novel Ultrasound Technique Called Saline Infusion SonoPODography to Visualize and Understand the Pouch of Douglas and Posterior Compartment Contents: A Feasibility Study. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 3301-3309.	1.7	12
22	Predicting Pouch of Douglas Obliteration Using Ultrasound and Laparoscopic Video Sets: An Interobserver and Diagnostic Accuracy Study. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 3155-3161.	1.7	11
23	Prediction of successful expectant management of first trimester miscarriage: Development and validation of a new mathematical model. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2013, 53, 58-63.	1.0	7
24	Is there a difference in the behaviour and subsequent management of ectopic pregnancies seen at first scan compared to those ectopic pregnancies which commence as pregnancies of unknown location?. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2016, 56, 107-112.	1.0	7
25	Methotrexate vs Placebo in Early Tubal Ectopic Pregnancy: A Multi- Centre Double-Blind Randomised Trial. <i>Reviews on Recent Clinical Trials</i> , 2012, 7, 238-243.	0.8	6
26	Diagnostic Accuracy and Reproducibility of Predicting Cul-de-Sac Obliteration by General Gynaecologists and Minimally Invasive Gynaecologic Surgeons. <i>Journal of Obstetrics and Gynaecology Canada</i> , 2019, 41, 443-449.e2.	0.7	5
27	Editorial: Machine Learning Advanced Dynamic Omics Data Analysis for Precision Medicine. <i>Frontiers in Genetics</i> , 2019, 10, 1343.	2.3	5
28	Prognostic accuracy of a novel methotrexate protocol for the resolution of tubal ectopic pregnancies. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2020, 247, 186-190.	1.1	5
29	Relationship Between Ultrasonographic and Biochemical Markers of Tubal Ectopic Pregnancy and Success of Subsequent Management. <i>Journal of Ultrasound in Medicine</i> , 2018, 37, 2899-2907.	1.7	4
30	Prediction of Tubal Ectopic Pregnancy Using Offline Analysis of 3-Dimensional Transvaginal Ultrasonographic Data Sets: An Interobserver and Diagnostic Accuracy Study. <i>Journal of Ultrasound in Medicine</i> , 2018, 37, 1467-1472.	1.7	4
31	Prevalence of Deep Endometriosis and Rectouterine Pouch Obliteration in the Presence of Normal Ovaries. <i>Journal of Obstetrics and Gynaecology Canada</i> , 2020, 42, 1211-1216.	0.7	4
32	Classification of Ovarian Tumors Using Bayesian Least Squares Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2003, , 219-228.	1.3	3
33	Does symptomatology at presentation correlate with successful expectant management of first trimester miscarriage: A prospective observational study. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2013, 53, 178-183.	1.0	2
34	Is there a correlation between aberrant embryonic crown-rump length growth velocities and subsequent birth weights?. <i>Journal of Obstetrics and Gynaecology</i> , 2016, 36, 726-730.	0.9	2
35	Ultrasound evaluation of pouch of Douglas obliteration and rectal deep endometriosis in women who have had previous combined colorectal and gynaecological laparoscopic surgery for rectal endometriosis: A pilot study. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2020, 60, 258-263.	1.0	2
36	Editorial: Cross-Domain Analysis for –All of Us–Precision Medicine. <i>Frontiers in Genetics</i> , 2021, 12, 713771.	2.3	2

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37	An investigation into eukaryotic pseudouridine synthases. Journal of Bioinformatics and Computational Biology, 2014, 12, 1450015.	0.8	1
38	A novel ultrasound technique called saline-infusion sonoPODography to visualize and understand the pouch of Douglas and posterior compartment contents: A feasibility study. Ultrasound in Medicine and Biology, 2019, 45, S54.	1.5	1
39	Doppler Color Scoring System in Women With an Incomplete Miscarriage: Interobserver and Intraobserver Reproducibility Study. Journal of Ultrasound in Medicine, 2019, 38, 2437-2445.	1.7	0
40	A novel methotrexate protocol for the resolution of tubal ectopic pregnancies; Methodological issues on prognostic studies: Response. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2020, 251, 276-277.	1.1	0
41	The Postoperative State of the Pelvis After Bowel Surgery for Deep Endometriosis: Still an Ultrasound Mystery. Journal of Ultrasound in Medicine, 2020, 40, 2257-2258.	1.7	0
42	Exploiting metabolomic approaches to aid in the diagnosis of lung cancer. , 2016, , .		0