J Blas Pagador

List of Publications by Year
in descending order

43 papers	698 citations	759233 12 h-index	580821 25 g-index
47 all docs	47 docs citations	47 times ranked	760 citing authors

#	Article	IF	Citations
1	Methods and Tools for Objective Assessment of Psychomotor Skills in Laparoscopic Surgery. Journal of Surgical Research, 2011, 171, e81-e95.	1.6	124
2	Hydrogels for Bioprinting: A Systematic Review of Hydrogels Synthesis, Bioprinting Parameters, and Bioprinted Structures Behavior. Frontiers in Bioengineering and Biotechnology, 2020, 8, 776.	4.1	93
3	Deep learning to find colorectal polyps in colonoscopy: A systematic literature review. Artificial Intelligence in Medicine, 2020, 108, 101923.	6.5	92
4	PICCOLO White-Light and Narrow-Band Imaging Colonoscopic Dataset: A Performance Comparative of Models and Datasets. Applied Sciences (Switzerland), 2020, 10, 8501.	2.5	41
5	Anatomical changes due to pneumoperitoneum analyzed by MRI: an experimental study in pigs. Surgical and Radiologic Anatomy, 2011, 33, 389-396.	1.2	39
6	Decomposition and analysis of laparoscopic suturing task using tool-motion analysis (TMA): improving the objective assessment. International Journal of Computer Assisted Radiology and Surgery, 2012, 7, 305-313.	2.8	25
7	Unravelling the effect of data augmentation transformations in polyp segmentation. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 1975-1988.	2.8	23
8	Augmented reality haptic (ARH): an approach of electromagnetic tracking in minimally invasive surgery. International Journal of Computer Assisted Radiology and Surgery, 2011, 6, 257-263.	2.8	18
9	Video-based assistance system for training in minimally invasive surgery. Minimally Invasive Therapy and Allied Technologies, 2011, 20, 197-205.	1.2	17
10	Bioink Temperature Influence on Shear Stress, Pressure and Velocity Using Computational Simulation. Processes, 2020, 8, 865.	2.8	15
11	Ergonomic Assessment of Hand Movements in Laparoscopic Surgery Using the CyberGloveÂ®. , 2010, , 121-128.		15
12	Utilidad de un sistema de seguimiento Ã³ptico de instrumental en cirugÃa laparoscÃ³pica para evaluaciÃ³n de destrezas motoras. CirugÃa EspaÃ±ola, 2014, 92, 421-428.	0.2	14
13	Fluid Structural Analysis of Urine Flow in a Stented Ureter. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-7.	1.3	14
14	Construct and face validity of SINERGIA laparoscopic virtual reality simulator. International Journal of Computer Assisted Radiology and Surgery, 2010, 5, 307-315.	2.8	13
15	Usefulness of an Optical Tracking System in Laparoscopic Surgery for Motor Skills Assessment. CirugÃa EspaÃ±ola (English Edition), 2014, 92, 421-428.	0.1	13
16	Learning curves of basic laparoscopic psychomotor skills in SINERGIA VR simulator. International Journal of Computer Assisted Radiology and Surgery, 2012, 7, 881-889.	2.8	12
17	Validation of the three web quality dimensions of a minimally invasive surgery e-learning platform. International Journal of Medical Informatics, 2017, 107, 1-10.	3.3	12
18	Eigenloss: Combined PCA-Based Loss Function for Polyp Segmentation. Mathematics, 2020, 8, 1316.	2.2	12

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19	Comparative Study of the Use of Different Sizes of an Ergonomic Instrument Handle for Laparoscopic Surgery. Applied Sciences (Switzerland), 2020, 10, 1526.	2.5	12
20	Ergonomics Problems Due to the Use and Design of Dissector and Needle Holder. Surgical Laparoscopy, Endoscopy and Percutaneous Techniques, 2014, 24, e170-e177.	0.8	11
21	Temperature and Humidity PID Controller for a Bioprinter Atmospheric Enclosure System. Micromachines, 2020, 11, 999.	2.9	11
22	Validation of a simulator for temporomandibular joint arthroscopy. International Journal of Oral and Maxillofacial Surgery, 2016, 45, 836-841.	1.5	10
23	Validation of the online theoretical module of a minimally invasive surgery blended learning course for nurses: A quantitative research study. Nurse Education Today, 2020, 89, 104406.	3.3	9
24	Cardiovascular Circulatory System and Left Carotid Model: A Fractional Approach to Disease Modeling. Fractal and Fractional, 2022, 6, 64.	3.3	9
25	Improving Cell Viability and Velocity in Î¼-Extrusion Bioprinting with a Novel Pre-Incubator Bioprinter and a Standard FDM 3D Printing Nozzle. Materials, 2021, 14, 3100.	2.9	7
26	Validation of SINERGIA as training tool: a randomized study to test the transfer of acquired basic psychomotor skills to LapMentor. International Journal of Computer Assisted Radiology and Surgery, 2011, 6, 839-846.	2.8	5
27	Effects of pneumoperitoneum and body position on the morphology of abdominal vascular structures analyzed in MRI. Journal of Magnetic Resonance Imaging, 2012, 36, 177-182.	3.4	5
28	Can effective pedagogy be ensured in minimally invasive surgery e-learning?. Minimally Invasive Therapy and Allied Technologies, 2020, , 1-11.	1.2	3
29	Technical Evaluation of a Third Generation Optical Pose Tracker for Motion Analysis and Image-Guided Surgery. Lecture Notes in Computer Science, 2013, , 75-82.	1.3	3
30	Virtual reality thread simulation for laparoscopic suturing training. Studies in Health Technology and Informatics, 2006, 119, 144-9.	0.3	3
31	Analysis of tissue consistency perception for laparoscopic simulator design. International Congress Series, 2004, 1268, 401-406.	0.2	2
32	Preoperative and Intraoperative Spatial Reasoning Support with 3D Organ and Vascular Models. International Journal of Creative Interfaces and Computer Graphics, 2015, 6, 56-82.	0.1	2
33	Computational Fluid Dynamics Study of Inlet Velocity on Extrusion-Based Bioprinting. IFMBE Proceedings, 2020, , 531-540.	0.3	2
34	Artificial Intelligence for Colorectal Polyps in Colonoscopy. , 2021, , 1-15.		2
35	Artificial Intelligence for Colorectal Polyps in Colonoscopy. , 2022, , 967-981.		2
36	Active contour on the basis of inertia. , 2004, , .		1

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37	Electronic device for endosurgical skills training (EDEST): study of reliability. International Journal of Computer Assisted Radiology and Surgery, 2011, 6, 367-374.	2.8	1
38	A method to assess upper-body postural variability in laparoscopic surgery. , 2014, , .		1
39	Approaches towards training in human risk management of surgical technology. Biomedizinische Technik, 2016, 61, 221-31.	0.8	1
40	Using Eye Tracking to Analyze Surgeonsâ€™ Cognitive Workload During an Advanced Laparoscopic Procedure. IFMBE Proceedings, 2020, , 3-12.	0.3	1
41	Lapnurseâ€"A Blended Learning Course for Nursing Education in Minimally Invasive Surgery: Design and Expertsâ€™ Preliminary Validation of Its Online Theoretical Module. Healthcare (Switzerland), 2021, 9, 951.	2.0	0
42	E-Learning and Multimedia Contents for Minimally Invasive Surgery Learning. International Journal of E-Health and Medical Communications, 2013, 4, 80-93.	1.6	0
43	Preoperative and Intraoperative Spatial Reasoning Support with 3D Organ and Vascular Models. , 2017, , 1911-1934.		0