Branch, John W

List of Publications by Year
in descending order

38	425	933264	794469
papers	citations	10 h-index	19 g-index

41	41	41	200
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	AnalÃtica de enseÃ±anza y aprendizaje en cursos de programaciÃ³n. , 2022, 11, 35.		1
2	HAGDAVS: Height-Augmented Geo-Located Dataset for Detection and Semantic Segmentation of Vehicles in Drone Aerial Orthomosaics. Data, 2022, 7, 50.	1.2	6
3	Industry 4.0 Technologies Applied to Inland Waterway Transport: Systematic Literature Review. Sensors, 2022, 22, 3708.	2.1	5
4	Detection of Motorcycles in Urban Traffic Using Video Analysis: A Review. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 6115-6130.	4.7	15
5	Cosine-Pruned Medial Axis: A New Method for Isometric Equivariant and Noise-Free Medial Axis Extraction. IEEE Access, 2021, 9, 65466-65481.	2.6	0
6	GeneraciÃ³n de pÃ©ptidos antimicrobianos mediante redes neuronales recurrentes. DYNA (Colombia), 2021, 88, 210-219.	0.2	1
7	A Saliency-Based Sparse Representation Method for Point Cloud Simplification. Sensors, 2021, 21, 4279.	2.1	13
8	Automatic Detection of Traffic Accidents from Video Using Deep Learning Techniques. Computers, 2021, 10, 148.	2.1	17
9	Optimized registration based on an ant colony for markerless augmented reality systems. DYNA (Colombia), 2020, 87, 259-266.	0.2	0
10	Digital Transformation in Higher Education Institutions: A Systematic Literature Review. Sensors, 2020, 20, 3291.	2.1	150
11	Sparse Regularization-Based Approach for Point Cloud Denoising and Sharp Features Enhancement. Sensors, 2020, 20, 3206.	2.1	12
12	Toward photoelastic sensors: a hybrid proposal for imaging the stress field through load stepping methods. , 2020, , .		6
13	Digital Transformation in Higher Education Institutions: Between Myth and Reality. Lecture Notes in Educational Technology, 2020, , 41-50.	0.5	7
14	ApropiaciÃ³n social de la ciencia y la tecnologÃa a travÃ©s de una iniciativa de intervenciÃ³n e inclusiÃ³n educativa de niÃ±os y adolescentes de territorios vulnerables de la minerÃa usando la robÃ³tica, como una alternativa para la construcciÃ³n de la paz. El Ãgora USB, 2020, 20, 190-209.	0.2	2
15	Computational analysis of Bayer colour filter arrays and demosaicking algorithms in digital photoelasticity. Optics and Lasers in Engineering, 2019, 122, 195-208.	2.0	24
16	EspiNet V2: a region based deep learning model for detecting motorcycles in urban scenarios. DYNA (Colombia), 2019, 86, 317-326.	0.2	6
17	Line-based image segmentation method: a new approach to segment VHSR remote sensing images automatically. European Journal of Remote Sensing, 2019, 52, 613-631.	1.7	3
18	Point cloud saliency detection via local sparse coding. DYNA (Colombia), 2019, 86, 238-247.	0.2	2

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19	Un modelo conceptual de transformaciÃ³n digital. Openergy y el caso de la Universidad Nacional de Colombia. Education in the Knowledge Society, 2019, 19, 95-107.	2.0	11
20	A Novel Keyword Ontology Generator Method Tested on â€œDigital Transformation in Higher Educationâ€•Topic. Communications in Computer and Information Science, 2019, , 179-191.	0.4	1
21	Computational hybrid phase shifting technique applied to digital photoelasticity. Optik, 2018, 157, 287-297.	1.4	24
22	Automatic Skin Lesion Segmentation on Dermoscopic Images by the Means of Superpixel Merging. Lecture Notes in Computer Science, 2018, , 728-736.	1.0	18
23	Dynamic adjustment of a MLFQ flow scheduler to improve cloud applications performance. DYNA (Colombia), 2018, 85, 16-23.	0.2	0
24	Vehicle Detection Using Alex Net and Faster R-CNN Deep Learning Models: A Comparative Study. Lecture Notes in Computer Science, 2017, , 3-15.	1.0	31
25	A Method for Automatic Surface Inspection Using a Model-Based 3D Descriptor. Sensors, 2017, 17, 2262.	2.1	30
26	Computational Detection of Salient Information to Identify High Stress and Ambiguity Regions in Digital Photoelasticity Images. , 2017, , .		0
27	Evaluating supervised learning approaches for spatial-domain multi-focus image fusion. DYNA (Colombia), 2017, 84, 137-146.	0.2	2
28	Time-space analysis in photoelasticity images using recurrent neural networks to detect zones with stress concentration. Proceedings of SPIE, 2016, , .	0.8	2
29	Identification of superficial defects in reconstructed 3D objects using phase-shifting fringe projection. , 2016, , .		0
30	Solution architecture approach, mechanism to reduce the gap between enterprise architecture and implementation of technological solutions. DYNA (Colombia), 2015, 82, 117-126.	0.2	2
31	Stereo Correspondence Evaluation Methods: A Systematic Review. Lecture Notes in Computer Science, 2015, , 102-111.	1.0	1
32	Extraction of correspondences in color coded pattern for the 3D reconstruction using structured light. , 2014, , .		0
33	AplicaciÃ³n de Redes Neuronales Artificiales en Entornos Virtuales Inteligentes. Informacion Tecnologica (discontinued), 2014, 25, 103-112.	0.1	6
34	Parallelizing an algorithm to decide if a bipartite graph is shellable. , 2013, , .		0
35	Robotic kit TEAC²H-RI for applications in education and research. , 2013, , .		2
36	Inverse-FEM Characterization of a Brain Tissue Phantom to Simulate Compression and Indentation. IngenierÃa Y Ciencia, 2012, 8, 11-36.	0.3	11

#	Article	IF	Citations
37	A Metric for Automatic Hole Characterization. , 2010, , 195-208.		3
38	Long term three dimensional tracking of orthodontic patients using registered cone beam CT and photogrammetry. , 2009, 2009, 3525-8.		2