

# Branch, John W

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2575646/publications.pdf>

Version: 2024-02-01

38  
papers

425  
citations

933264

10  
h-index

794469

19  
g-index

41  
all docs

41  
docs citations

41  
times ranked

200  
citing authors

#	ARTICLE	IF	CITATIONS
1	Digital Transformation in Higher Education Institutions: A Systematic Literature Review. <i>Sensors</i> , 2020, 20, 3291.	2.1	150
2	Vehicle Detection Using Alex Net and Faster R-CNN Deep Learning Models: A Comparative Study. <i>Lecture Notes in Computer Science</i> , 2017, , 3-15.	1.0	31
3	A Method for Automatic Surface Inspection Using a Model-Based 3D Descriptor. <i>Sensors</i> , 2017, 17, 2262.	2.1	30
4	Computational hybrid phase shifting technique applied to digital photoelasticity. <i>Optik</i> , 2018, 157, 287-297.	1.4	24
5	Computational analysis of Bayer colour filter arrays and demosaicking algorithms in digital photoelasticity. <i>Optics and Lasers in Engineering</i> , 2019, 122, 195-208.	2.0	24
6	Automatic Skin Lesion Segmentation on Dermoscopic Images by the Means of Superpixel Merging. <i>Lecture Notes in Computer Science</i> , 2018, , 728-736.	1.0	18
7	Automatic Detection of Traffic Accidents from Video Using Deep Learning Techniques. <i>Computers</i> , 2021, 10, 148.	2.1	17
8	Detection of Motorcycles in Urban Traffic Using Video Analysis: A Review. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 6115-6130.	4.7	15
9	A Saliency-Based Sparse Representation Method for Point Cloud Simplification. <i>Sensors</i> , 2021, 21, 4279.	2.1	13
10	Sparse Regularization-Based Approach for Point Cloud Denoising and Sharp Features Enhancement. <i>Sensors</i> , 2020, 20, 3206.	2.1	12
11	Un modelo conceptual de transformaci3n digital. <i>Openenergy y el caso de la Universidad Nacional de Colombia. Education in the Knowledge Society</i> , 2019, 19, 95-107.	2.0	11
12	Inverse-FEM Characterization of a Brain Tissue Phantom to Simulate Compression and Indentation. <i>IngenierAa Y Ciencia</i> , 2012, 8, 11-36.	0.3	11
13	Digital Transformation in Higher Education Institutions: Between Myth and Reality. <i>Lecture Notes in Educational Technology</i> , 2020, , 41-50.	0.5	7
14	EspiNet V2: a region based deep learning model for detecting motorcycles in urban scenarios. <i>DYNA (Colombia)</i> , 2019, 86, 317-326.	0.2	6
15	Aplicaci3n de Redes Neuronales Artificiales en Entornos Virtuales Inteligentes. <i>Informacion Tecnologica (discontinued)</i> , 2014, 25, 103-112.	0.1	6
16	Toward photoelastic sensors: a hybrid proposal for imaging the stress field through load stepping methods. , 2020, , .		6
17	HAGDAVS: Height-Augmented Geo-Located Dataset for Detection and Semantic Segmentation of Vehicles in Drone Aerial Orthomosaics. <i>Data</i> , 2022, 7, 50.	1.2	6
18	Industry 4.0 Technologies Applied to Inland Waterway Transport: Systematic Literature Review. <i>Sensors</i> , 2022, 22, 3708.	2.1	5

#	ARTICLE	IF	CITATIONS
19	Line-based image segmentation method: a new approach to segment VHSR remote sensing images automatically. <i>European Journal of Remote Sensing</i> , 2019, 52, 613-631.	1.7	3
20	A Metric for Automatic Hole Characterization. , 2010, , 195-208.		3
21	Long term three dimensional tracking of orthodontic patients using registered cone beam CT and photogrammetry. , 2009, 2009, 3525-8.		2
22	Robotic kit TEAC <sup>2</sup> -H-RI for applications in education and research. , 2013, , .		2
23	Solution architecture approach, mechanism to reduce the gap between enterprise architecture and implementation of technological solutions. <i>DYNA (Colombia)</i> , 2015, 82, 117-126.	0.2	2
24	Time-space analysis in photoelasticity images using recurrent neural networks to detect zones with stress concentration. <i>Proceedings of SPIE</i> , 2016, , .	0.8	2
25	Point cloud saliency detection via local sparse coding. <i>DYNA (Colombia)</i> , 2019, 86, 238-247.	0.2	2
26	Evaluating supervised learning approaches for spatial-domain multi-focus image fusion. <i>DYNA (Colombia)</i> , 2017, 84, 137-146.	0.2	2
27	Apropiaci3n social de la ciencia y la tecnologÃa a travÃs de una iniciativa de intervenci3n e inclusi3n educativa de niÃos y adolescentes de territorios vulnerables de la minerÃa usando la rob3tica, como una alternativa para la construcci3n de la paz. <i>El Ãgora USB</i> , 2020, 20, 190-209.	0.2	2
28	Stereo Correspondence Evaluation Methods: A Systematic Review. <i>Lecture Notes in Computer Science</i> , 2015, , 102-111.	1.0	1
29	Generaci3n de pÃptidos antimicrobianos mediante redes neuronales recurrentes. <i>DYNA (Colombia)</i> , 2021, 88, 210-219.	0.2	1
30	A Novel Keyword Ontology Generator Method Tested on âœDigital Transformation in Higher Educationâ€•Topic. <i>Communications in Computer and Information Science</i> , 2019, , 179-191.	0.4	1
31	AnalÃtica de ense±anza y aprendizaje en cursos de programaci3n. , 2022, 11, 35.		1
32	Parallelizing an algorithm to decide if a bipartite graph is shellable. , 2013, , .		0
33	Extraction of correspondences in color coded pattern for the 3D reconstruction using structured light. , 2014, , .		0
34	Identification of superficial defects in reconstructed 3D objects using phase-shifting fringe projection. , 2016, , .		0
35	Computational Detection of Salient Information to Identify High Stress and Ambiguity Regions in Digital Photoelasticity Images. , 2017, , .		0
36	Optimized registration based on an ant colony for markerless augmented reality systems. <i>DYNA (Colombia)</i> , 2020, 87, 259-266.	0.2	0

#	ARTICLE	IF	CITATIONS
37	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
38	Dynamic adjustment of a MLFQ flow scheduler to improve cloud applications performance. DYNA (Colombia), 2018, 85, 16-23.	0.2	0