Adriana Dapena

List of Publications by Year
in descending order

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75	370	1163065	940516
papers	citations	8	16
		h-index	g-index

76	76	76	270
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hybrid Supervised-Unsupervised Channel Estimation Scheme with Dynamic Transmission of Pilots. Neural Processing Letters, 2023, 55, 12647-12661.	3.2	1
2	Moving to e-Service Learning in Higher Education. Applied Sciences (Switzerland), 2022, 12, 5462.	2.5	8
3	Utilization of a Mobile Application for Motor Skill Evaluation in Children. Applied Sciences (Switzerland), 2021, 11, 663.	2.5	0
4	Educational graphic toolÂfor teaching fundamentals of digital image representation. Computer Applications in Engineering Education, 2021, 29, 1489-1504.	3.4	2
5	Proposals and Comparisons from One-Sensor EEG and EOG Human-Machine Interfaces. Sensors, 2021, 21, 2220.	3.8	16
6	Eye State Identification Based on Discrete Wavelet Transforms. Applied Sciences (Switzerland), 2021, 11, 5051.	2.5	2
7	Isolation Number versus Domination Number of Trees. Mathematics, 2021, 9, 1325.	2.2	2
8	Development of Dual Activities with Micro:Bit for Interventions in People with Cerebral Palsy. Engineering Proceedings, 2021, 7, 21.	0.4	0
9	PreLectO: An App for Cognitive Stimulation through Games in Early Childhood. Engineering Proceedings, 2021, 7, .	0.4	0
10	Mobile Application for Analysing the Development of Motor Skills in Children. Proceedings (mdpi), 2020, 54, .	0.2	1
11	Study of Machine Learning Techniques for EEG Eye State Detection. Proceedings (mdpi), 2020, 54, 53.	0.2	1
12	Service-Learning Projects in University Degrees Based on Sustainable Development Goals: Proposals and Results. Sustainability, 2020, 12, 7940.	3.2	8
13	Development of Recreational Content with Micro:Bit for Intervention with People with Cerebral Palsy. Proceedings (mdpi), 2020, 54, .	0.2	0
14	A Prototype of EEG System for IoT. International Journal of Neural Systems, 2020, 30, 2050018.	5.2	12
15	A Comparative Study of Low Cost Open Source EEG Devices. Proceedings (mdpi), 2019, 21, .	0.2	0
16	Hardware and Software for Integrating Brainâ€“Computer Interface with Internet of Things. Lecture Notes in Computer Science, 2019, , 22-31.	1.3	4
17	Algorithms for determining relative position between spheroids and hyperboloids with one sheet. Mathematics and Computers in Simulation, 2019, 160, 168-179.	4.4	1
18	New Computation of Resolving Connected Dominating Sets in Weighted Networks. Entropy, 2019, 21, 1174.	2.2	0

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19	Brain-Computer Interfaces for Internet of Things. Proceedings (mdpi), 2018, 2, 1179.	0.2	5
20	Calculation of the Connected Dominating Set Considering Vertex Importance Metrics. Entropy, 2018, 20, 87.	2.2	7
21	Multi-loop inductive sensor model for vehicle traffic applications. Sensors and Actuators A: Physical, 2017, 263, 580-592.	4.1	7
22	An Algebraic Collision Avoidance Approach for Unmanned Aerial Vehicle. , 2017, , .		1
23	Adapting Side Information to Transmission Conditions in Precoding Systems. Lecture Notes in Computer Science, 2017, , 315-324.	1.3	0
24	Home Automation System Based on Intelligent Transducer Enablers. Sensors, 2016, 16, 1595.	3.8	38
25	SiDIVS: Simple Detection of Inductive Vehicle Signatures with a Multiplex Resonant Sensor. Sensors, 2016, 16, 1309.	3.8	8
26	A framework to learn graph theory using simple wireless network models. Computer Applications in Engineering Education, 2016, 24, 843-852.	3.4	1
27	SimSiVIDS: Modelling of an Inductive Sensor for Traffic Applications. , 2015, , .		0
28	Vehicle Classification Using the Discrete Fourier Transform with Traffic Inductive Sensors. Sensors, 2015, 15, 27201-27214.	3.8	27
29	System for vehicle classification: Hardware prototype and off-line signal proccesing. , 2015, , .		2
30	Detection of Channel Variations to Improve Channel Estimation Methods. Circuits, Systems, and Signal Processing, 2014, 33, 2605-2623.	2.0	0
31	Testbedâ€assisted learning for digital communications courses. Computer Applications in Engineering Education, 2013, 21, 539-549.	3.4	8
32	Real-time multimedia coding and transmission. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	0
33	Evaluation of H.264/AVC over IEEE 802.11p vehicular networks. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	3
34	A low-cost decision-aided channel estimation method for Alamouti OSTBC. Neural Computing and Applications, 2013, 23, 1597-1604.	5.6	0
35	Performance Evaluation over Indoor Channels of an Unsupervised Decision-Aided Method for OSTBC Systems. Lecture Notes in Computer Science, 2013, , 144-151.	1.3	0
36	A decision-aided channel estimation strategy for the IEEE 802.11p standard. , 2012, , .		1

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37	Blind channel estimation based on maximizing the eigenvalue spread of cumulant matrices in (2 Ã— 1) Alamouti's coding schemes. Wireless Communications and Mobile Computing, 2012, 12, 516-528.	1.2	7
38	Hybrid Supervised-Unsupervised Channel Estimation Scheme with Dynamic Transmission of Pilots. Neural Processing Letters, 2011, 33, 1-15.	3.2	2
39	Channel estimation techniques for linear precoded systems: Supervised, unsupervised, and hybrid approaches. Signal Processing, 2011, 91, 1578-1588.	3.7	3
40	Defining an XML format for sound synthesis. , 2011, , .		1
41	A Decision-Aided Strategy for Enhancing Transmissions in Wireless OSTBC-Based Systems. Lecture Notes in Computer Science, 2011, , 500-507.	1.3	1
42	Computational Intelligence in Multimedia Processing. Lecture Notes in Computer Science, 2011, , 520-527.	1.3	0
43	A Novel Strategy for Improving the Quality of Embedded Zerotree Wavelet Images Transmitted over Alamouti Coding Systems. Lecture Notes in Computer Science, 2011, , 489-496.	1.3	0
44	An MSE-Based Method to Avoid Permutation/Gain Indeterminacy in Frequency-Domain Blind Source Separation. Circuits, Systems, and Signal Processing, 2010, 29, 403-417.	2.0	4
45	A MATLAB Tool for Visualizing the 3D Polar Power Patterns and Excitations of Conformal Arrays. IEEE Antennas and Propagation Magazine, 2010, 52, 127-133.	1.4	7
46	Combination of supervised and unsupervised algorithms for communication systems with linear precoding. , 2010, , .		4
47	Hybrid Channel Estimation Strategy for MIMO Systems with Decision Feedback Equalizer. Lecture Notes in Computer Science, 2010, , 311-318.	1.3	0
48	A Novel Hybrid Approach to Improve Performance of Frequency Division Duplex Systems with Linear Precoding. Lecture Notes in Computer Science, 2010, , 248-255.	1.3	2
49	DIGITAL COMMUNICATIONS LEARNING TOOLS gtTAL: Graphical Tool for Testbed-assisted Learning. , 2010, , .		0
50	Blind Channel Identification in (2 Ã—1) Alamouti Coded Systems Based on Maximizing the Eigenvalue Spread of Cumulant Matrices. Lecture Notes in Computer Science, 2009, , 694-701.	1.3	1
51	A Cascade System for Solving Permutation and Gain Problems in Frequency-Domain BSS. Lecture Notes in Computer Science, 2009, , 274-281.	1.3	0
52	Blind channel identification in Alamouti coded systems: a comparative study of eigendecomposition methods in indoor transmissions at 2.4 GHz. European Transactions on Telecommunications, 2008, 19, 751-759.	1.2	13
53	A comparative study of blind channel identification methods for Alamouti coded systems over indoor transmissions at 2.4 GHz. , 2008, , .		0
54	A blind channel estimation strategy for the 2X1 Alamouti system based on diagonalising 4th-order cumulant matrices. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	2

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55	Reply to â€œComments on `A Blind Signal Separation Method for Multiuser Communications'â€• IEEE Transactions on Signal Processing, 2007, 55, 2357-2358.	5.3	0
56	Channel Estimation for O-STBC MISO Systems Using Fourth-Order Cross-Cumulants. , 2007, , 770-777.		0
57	Utilization of Blind Source Separation Algorithms for MIMO Linear Precoding. Lecture Notes in Computer Science, 2006, , 577-584.	1.3	0
58	A Novel Method to Recover N Sources from N-1 Observations and Its Application to Digital Communications. Lecture Notes in Computer Science, 2004, , 358-365.	1.3	0
59	Inversion of the sliding Fourier transform using only two frequency bins and its application to source separation. Signal Processing, 2003, 83, 453-457.	3.7	7
60	A novel frequency domain approach for separating convolutive mixtures of temporally-white signals. , 2003, 13, 301-316.		15
61	Novel frequency-domain systems to recover temporally-white signals in multipath environments. , 2003, , .		0
62	A novel unsupervised strategy to separate convolutive mixtures in the frequency domain. Lecture Notes in Computer Science, 2003, , 257-264.	1.3	0
63	Separation of convolutive mixtures in the frequency-domain using only two frequency bins. , 2002, , .		4
64	A hybrid DCT-SVD image-coding algorithm. IEEE Transactions on Circuits and Systems for Video Technology, 2002, 12, 114-121.	8.3	35
65	Space-time receivers for GSM radio interfaces in subway tunnel environments. Wireless Communications and Mobile Computing, 2002, 2, 719-733.	1.2	1
66	Separation of convolutive mixtures in the frequency-domain using only two frequency bins. , 2002, , .		2
67	Space-time coding for GSM systems in subway tunnel environments. , 2002, , .		0
68	Performance of space time coding in subway tunnel environments. , 2001, , .		1
69	Blind Source Separation in the Frequency Domain: A Novel Solution to the Amplitude and the Permutation Indeterminacies. Lecture Notes in Computer Science, 2001, , 603-610.	1.3	5
70	<title>Content-based image compression for ATR applications</title>. , 2000, , .		0
71	Stochastic gradient adaptive algorithms for blind source separation. Signal Processing, 1999, 75, 11-27.	3.7	7
72	A blind signal separation method for multiuser communications. IEEE Transactions on Signal Processing, 1997, 45, 1343-1348.	5.3	72

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73	Using fractional cyclic moments of CPFSK signals in blind adaptive beamforming. , 0, , .		1
74	Blind source separation for multiuser detection in MIMO MC-CDMA systems. , 0, , .		2
75	A Novel Video Coding Scheme based on Principal Component Analysis. , 0, , .		4