

Upul Gunawardana

List of Publications by Year in descending order

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35
papers

399
citations

1478458

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1125717

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all docs

35
docs citations

35
times ranked

465
citing authors

#	ARTICLE	IF	CITATIONS
1	Parking Assessment in the Context of Growing Construction Activity and Infrastructure Changes: Simulation of Impact Scenarios. <i>Sustainability</i> , 2022, 14, 5098.	3.2	2
2	Implementation of the Biological Muscle Mechanism in HASEL Actuators to Leverage Electrohydraulic Principles and Create New Geometries. <i>Actuators</i> , 2021, 10, 38.	2.3	3
3	Wearable Bluetooth Triage Healthcare Monitoring System. <i>Sensors</i> , 2021, 21, 7586.	3.8	15
4	Real-Time EMG Based Pattern Recognition Control for Hand Prostheses: A Review on Existing Methods, Challenges and Future Implementation. <i>Sensors</i> , 2019, 19, 4596.	3.8	195
5	Fully Open-Access Passive Dry Electrodes BIOADC: Open-Electroencephalography (EEG) Re-Invented. <i>Sensors</i> , 2019, 19, 772.	3.8	5
6	Low Cost Analogue Front End for Electronic Stethoscopes Application with Silicone Enclosure. , 2019, , .		0
7	Electrodeless FSR Linear Envelope Signal for Muscle Contraction Measurement. , 2019, , .		2
8	Towards Ultra Low-Cost Myoactivated Prostheses. <i>BioMed Research International</i> , 2018, 2018, 1-14.	1.9	19
9	Compressive sensing for efficient health monitoring and effective damage detection of structures. <i>Mechanical Systems and Signal Processing</i> , 2017, 84, 414-430.	8.0	36
10	Cost effective electro " Resistive band based myo activated prosthetic upper limb for amputees in the developing world. , 2017, , .		6
11	Barriers in acceptance of Ambient Assisted Living technologies among older Australians. , 2017, , .		4
12	Wireless power transmission in human tissue for nerve stimulation. <i>IET Microwaves, Antennas and Propagation</i> , 2016, 10, 670-675.	1.4	3
13	Passive RFID Localisation Framework in Smart Homes Healthcare Settings. <i>Studies in Health Technology and Informatics</i> , 2016, 231, 1-8.	0.3	4
14	Statistical Damage Sensitive Feature for Structural Damage Detection Using AR Model Coefficients. <i>Advances in Structural Engineering</i> , 2015, 18, 1551-1562.	2.4	15
15	A Wearable Contactless Sensor Suitable for Continuous Simultaneous Monitoring of Respiration and Cardiac Activity. <i>Journal of Sensors</i> , 2015, 2015, 1-6.	1.1	19
16	Power allocation in OFDM cognitive radio relay networks with outdated channel state information. <i>International Journal of Communication Systems</i> , 2015, 28, 1640-1656.	2.5	4
17	Resource allocation in OFDM-based cognitive radio networks with multiple AF relays. , 2014, , .		1
18	Resource allocation in multiple DF relay assisted OFDM cognitive radio relay networks with the knowledge of fading statistics. , 2013, , .		4

#	ARTICLE	IF	CITATIONS
19	An implantable encased microstrip ring rectenna for wireless biomedical applications. , 2013, , .		6
20	Outage Probability Analysis of Multiple Antenna Dual-Hop Networks with Interference-Limited Relay. IEICE Transactions on Communications, 2013, E96.B, 577-584.	0.7	1
21	Selective sub-carrier relaying and power allocation for multi-relay-assisted cooperative OFDM systems with outdated CSI. , 2011, , .		2
22	Selective sub-carrier relaying and power allocation for multi-relay-assisted cooperative OFDM systems. , 2011, , .		9
23	Power allocation for nonregenerative OFDM relay links with outdated channel knowledge. , 2011, , .		2
24	Mixed Rayleigh and Rician fading with partial relay selection. , 2010, , .		4
25	Wireless Sensor Networks for Structural Health Monitoring: Considerations for communication protocol design. , 2010, , .		23
26	Fast simulation of turbo codes over Rayleigh fading channels. , 2009, , .		2
27	Tighter performance upper bounds for terminated convolutional codes in Rayleigh fading channels. , 2009, , .		1
28	Social Impact of SMS in Sri Lanka. , 2008, , .		1
29	Optimization of sliding window algorithm for space-time turbo trellis codes. , 2007, , .		1
30	Fast simulation of turbo codes over AWGN channels. , 2007, , .		4
31	Fixed-point performance of space-time turbo trellis codes on fast fading channels. , 2007, , .		0
32	Importance Sampling Simulation of Orthogonal Space-Time Block Coded Systems. , 2006, , .		1
33	Sliding Window Algorithm for Space-Time Turbo Trellis Coded Modulation. , 2006, , .		2
34	Fixed-Point Performance of Space-Time Turbo Trellis Coded Modulation. , 2006, , .		1
35	Compressive Sensing for Structural Damage Detection of Reinforced Concrete Structures. Key Engineering Materials, 0, 569-570, 742-750.	0.4	2