Alin-Mihai CÄilean

List of Publications by Year
in descending order

27	729	1040056 9	1372567 10
papers	citations	h-index	g-index

27	27	27	522
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Current Challenges for Visible Light Communications Usage in Vehicle Applications: A Survey. IEEE Communications Surveys and Tutorials, 2017, 19, 2681-2703.	39.4	265
2	Impact of IEEE 802.15.7 Standard on Visible Light Communications Usage in Automotive Applications. , 2017, 55, 169-175.		87
3	A survey on the usage of DSRC and VLC in communication-based vehicle safety applications. , 2014, , .		64
4	Novel Receiver Sensor for Visible Light Communications in Automotive Applications. IEEE Sensors Journal, 2015, 15, 4632-4639.	4.7	56
5	Toward Environmental-Adaptive Visible Light Communications Receivers for Automotive Applications: A Review. IEEE Sensors Journal, 2016, 16, 2803-2811.	4.7	51
6	Evaluation of Misalignment Effect in Vehicle-to-Vehicle Visible Light Communications: Experimental Demonstration of a 75 Meters Link. Sensors, 2021, 21, 3577.	3.8	25
7	Noise Resilient Outdoor Traffic Light Visible Light Communications System Based on Logarithmic Transimpedance Circuit: Experimental Demonstration of a 50 m Reliable Link in Direct Sun Exposure. Sensors, 2020, 20, 909.	3.8	22
8	Novel DSP Receiver Architecture for Multi-Channel Visible Light Communications in Automotive Applications. IEEE Sensors Journal, 2016, 16, 3597-3602.	4.7	20
9	Enhanced design of visible light communication sensor for automotive applications: Experimental demonstration of a 130 meters link. , 2018, , .		20
10	Noise-Adaptive Visible Light Communications Receiver for Automotive Applications: A Step Toward Self-Awareness. Sensors, 2020, 20, 3764.	3.8	19
11	Analysis and Experimental Investigation of the Light Dimming Effect on Automotive Visible Light Communications Performances. Sensors, 2021, 21, 4446.	3.8	16
12	Intensive Testing of Infrastructure-to-Vehicle Visible Light Communications in Real Outdoor Scenario: Evaluation of a 50 meters link in Direct Sun Exposure. , 2019, , .		15
13	Design and Intensive Experimental Evaluation of an Enhanced Visible Light Communication System for Automotive Applications. Sensors, 2020, 20, 3190.	3.8	14
14	Miller code usage in Visible Light Communications under the PHY I layer of the IEEE 802.15.7 standard. , 2014, , .		12
15	Experimental Demonstration of a 185 meters Vehicular Visible Light Communications Link. , 2021, , .		10
16	Experimental Demonstration of a 188 meters Infrastructure-to-Vehicle Visible Light Communications Link in Outdoor Conditions. , 2021, , .		6
17	Complementary Radiofrequency and Visible Light Systems for Indoor and Vehicular Communications. , 2019, , .		5
18	Analysis Concerning the Usage of Visible Light Communications in Automotive Applications: Achievable Distances vs. Optical Noise. , 2020, , .		5

#	Article	IF	Citations
19	Experimental Evaluation of Traffic Light to Vehicle Visible Light Communications in Snowfall Conditions. , 2020, , .		5
20	Visible light communication sensors with adaptive hysteretic circuits for automotive applications. Physica B: Condensed Matter, 2018, 549, 31-34.	2.7	3
21	Toward a hybrid vehicle communication platform based on VLC and DSRC technologies. , 2019, , .		3
22	Digital Signal Processing Sensor for Automotive Visible Light Communications Applications. , 2017, , .		2
23	Photodiode Amplifier with Transimpedance and Differential Stages for Automotive Visible Light Applications. , 2020, , .		2
24	Green power supply for an intelligent traffic light enhanced with visible light communications capabilities. , 2018, , .		1
25	Improved Single-LED Pulse Oximeter Design Based on Multi-Wavelength Analysis. , 2022, , .		1
26	Indoor Visible Light Communications demonstration: University Campus Radio Station transmitted through the lighting system. , 2019, , .		0
27	Experimental Investigation of Visible Light Communications Coverage in Vehicle-to-Vehicle Applications. , 2021, , .		0