

# Sinan Sinanovic

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

4,219  
citations

567247

15  
h-index

501174

28  
g-index

79  
all docs

79  
docs citations

79  
times ranked

2376  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial Modulation. IEEE Transactions on Vehicular Technology, 2008, 57, 2228-2241.	6.3	2,123
2	Clipping Noise in OFDM-Based Optical Wireless Communication Systems. IEEE Transactions on Communications, 2012, 60, 1072-1081.	7.8	257
3	Enhanced subcarrier index modulation (SIM) OFDM. , 2011, , .		192
4	Novel Unipolar Orthogonal Frequency Division Multiplexing (U-OFDM) for Optical Wireless. , 2012, , .		180
5	Generalised Sphere Decoding for Spatial Modulation. IEEE Transactions on Communications, 2013, 61, 2805-2815.	7.8	157
6	Fractional bit encoded spatial modulation (FBE-SM). IEEE Communications Letters, 2010, 14, 429-431.	4.1	156
7	Complete Modeling of Nonlinear Distortion in OFDM-Based Optical Wireless Communication. Journal of Lightwave Technology, 2013, 31, 3064-3076.	4.6	138
8	Energy Evaluation of Spatial Modulation at a Multi-Antenna Base Station. , 2013, , .		109
9	Signal Shaping and Modulation for Optical Wireless Communication. Journal of Lightwave Technology, 2012, 30, 1319-1328.	4.6	79
10	An energy saving base station employing spatial modulation. , 2012, , .		63
11	Transmit Precoding for Receive Spatial Modulation Using Imperfect Channel Knowledge. , 2012, , .		57
12	Multiple access spatial modulation. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	56
13	Dual-Hop Spatial Modulation (Dh-SM). , 2011, , .		47
14	A Virtual MIMO Dual-Hop Architecture Based on Hybrid Spatial Modulation. IEEE Transactions on Communications, 2014, 62, 3161-3179.	7.8	46
15	Optimal Power Allocation in Spatial Modulation OFDM for Visible Light Communications. , 2012, , .		37
16	Distributed and Autonomous Resource and Power Allocation for Wireless Networks. IEEE Transactions on Communications, 2013, 61, 2758-2771.	7.8	33
17	Toward a theory of information processing. Signal Processing, 2007, 87, 1326-1344.	3.7	32
18	Visible Light Communications-Based Indoor Positioning via Compressed Sensing. IEEE Communications Letters, 2018, 22, 1410-1413.	4.1	30

#	ARTICLE	IF	CITATIONS
19	Anomaly detection using the Kullback-Leibler divergence metric. , 2008, , .		25
20	Performance Evaluation of Pilot-Assisted PAPR Reduction Technique in Optical OFDM Systems. IEEE Photonics Technology Letters, 2015, 27, 1088-1091.	2.5	25
21	Design Considerations for a New High Data Rate LWD Acoustic Telemetry System. , 2004, , .		23
22	Chaos-based privacy preserving vehicle safety protocol for 5G Connected Autonomous Vehicle networks. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3966.	3.9	23
23	Practical MIMO Capacity for Indoor Optical Wireless Communication with White LEDs. , 2013, , .		21
24	A comparison of OFDM-based modulation schemes for OWC with clipping distortion. , 2011, , .		20
25	2-User multiple access spatial modulation. , 2011, , .		19
26	Optical Wireless Communication Based Indoor Positioning Algorithms: Performance Optimisation and Mathematical Modelling. Computation, 2019, 7, 1.	2.0	19
27	On PAPR Reduction in Pilot-Assisted Optical OFDM Communication Systems. IEEE Access, 2017, 5, 8916-8929.	4.2	18
28	Double-Sided Signal Clipping in ACO-OFDM Wireless Communication Systems. , 2011, , .		16
29	A power saving dual-hop architecture based on hybrid spatial modulation. , 2012, , .		13
30	Maximising the System Spectral Efficiency in a Decentralised 2-Link Wireless Network. Eurasip Journal on Wireless Communications and Networking, 2008, 2008, .	2.4	12
31	Secrecy Rate of Time Switched Transmit Diversity System. , 2011, , .		12
32	Pilot-assisted PAPR reduction technique for O-OFDM using multiple LEDs in VLC systems. , 2016, , .		12
33	Secrecy Capacity of Space Keying with Two Antennas. , 2012, , .		11
34	Performance of quadrature amplitude modulation orthogonal frequency division multiplexing-based free space optical links with non-linear clipping effect over gamma-gamma modelled turbulence channels. IET Optoelectronics, 2015, 9, 269-274.	3.3	11
35	Design and Analysis of Collision Reduction Algorithms for LED-Based Indoor Positioning With Simulation and Experimental Validation. IEEE Access, 2018, 6, 10754-10770.	4.2	8
36	Analytical SER Calculation of Spatial Modulation. , 2008, , .		7

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37	Variation of Spatial Protection Margins on Multihop Wireless Networks. , 2007, , .		6
38	Information Theoretic Approach to Signal Feature Detection for Cognitive Radio. , 2008, , .		6
39	Hardware implementation of a Kullback-Leibler Divergence based signal anomaly detector. , 2009, , .		6
40	Base station energy consumption for transmission optimised spatial modulation (TOSM) in correlated channels. , 2012, , .		6
41	Vehicular Safety Application Identifier algorithm for LTE VANET server. , 2016, , .		6
42	Optimal beam radius for LED-based indoor positioning algorithm. , 2016, , .		6
43	Optical Boundaries for LED-Based Indoor Positioning System. Computation, 2019, 7, 7.	2.0	6
44	Pilot-Aided Frame Synchronization in Optical OFDM Systems. Applied Sciences (Switzerland), 2020, 10, 4034.	2.5	6
45	Structure optimisation of spatial modulation over correlated fading channels. , 2012, , .		5
46	Pulse shaping in unipolar OFDM-based modulation schemes. , 2012, , .		5
47	Design of improved IR protocol for LED indoor positioning system. , 2017, , .		5
48	On the Design and Deployment of Multitier Heterogeneous and Adaptive Vehicular Networks. , 2018, , .		5
49	System Spectral Efficiency Analysis of a 2-Link Ad Hoc Network. , 2007, , .		4
50	Time Slot Partitioning and Random Data Hopping for TDD Based Multihop Wireless Networks. IEEE Vehicular Technology Conference, 2007, , .	0.4	4
51	The Information Theoretic Approach to Signal Anomaly Detection for Cognitive Radio. International Journal of Digital Multimedia Broadcasting, 2010, 2010, 1-18.	0.6	4
52	Pareto Optimal SINR Scheduling for Femto-Cell Deployment in Wireless Networks. , 2012, , .		4
53	Sum Rate Increase via Variable Interference Protection. IEEE Transactions on Mobile Computing, 2012, 11, 2121-2132.	5.8	4
54	Enhancing the error performance of optical SSK under correlated channel condition. , 2016, , .		4

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55	Vehicular multitier gateway selection algorithm for heterogeneous VANET architectures. , 2017, , .		4
56	SAI: Safety Application Identifier Algorithm at MAC Layer for Vehicular Safety Message Dissemination Over LTE VANET Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-17.	1.2	4
57	Radio Frequency Signature Correlation Based Speed Estimation for Indoor Positioning. Journal of Communications, 2009, 4, .	1.6	4
58	Asymmetry Balancing for Channel Asymmetry Support in OFDMA-TDD Cellular Networks. , 2008, , .		3
59	LED-based indoor positioning system using novel optical pixelation technique. Healthcare Technology Letters, 2019, 6, 76-81.	3.3	3
60	Realizing Physical Layer Security in Large Wireless Networks using Spectrum Programmability. , 2020, , .		3
61	Pilot-Assisted PAPR Reduction in PAM-DMT based Visible Light Communication Systems. , 2021, , .		3
62	Traffic asymmetry balancing in OFDMA-TDD cellular networks. Journal of Communications and Networks, 2008, 10, 137-147.	2.6	2
63	Interference Protection Versus Spatial Reuse in Wireless Networks. , 2009, , .		2
64	Interference Analysis of Busy Burst Enabled Interference Avoidance. , 2010, , .		2
65	Pareto Optimal Power Control Scheduling for OFDMA Networks. , 2012, , .		2
66	Optimization of duty cycles for LED based indoor positioning system. , 2016, , .		2
67	Optical Wireless Communication based two receiver Indoor Positioning algorithm. , 2017, , .		2
68	Asymptotic rates of the information transfer ratio. , 2002, , .		1
69	Optimum Spectral Efficiency of Horizontally Spectrum Sharing 2-Link System. IEEE Vehicular Technology Conference, 2008, , .	0.4	1
70	Mitigating nonlinearities under average power constraint in visible light communication. , 2014, , .		1
71	PAPR reduction in optical OFDM with grouped LEDs. , 2016, , .		1
72	Asymmetry balancing in OFDMA-TDD cellular networks. , 2008, , .		0

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73	Self-organised interference mitigation in wireless networks using busy bursts. , 2009, , .		0
74	Star-Node Identification in Self-Organising Wireless Networks. , 2009, , .		0
75	Sum-rate increase with the hybrid of interference cancellation and busy burst interference avoidance. , 2009, , .		0
76	An enhanced solutioning design for military tactical voice communication systems. , 2012, , .		0
77	A novel analytical framework for modeling nonlinear distortions in OFDM-based optical wireless communication. , 2013, , .		0
78	Analysis of PAPR in optical OFDM systems with grouped LEDs. Optik, 2017, 151, 48-54.	2.9	0
79	Relaying in optical wireless communication. , 2016, , 429-463.		0