

Marko Beko

List of Publications by Year in descending order

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124
papers

2,131
citations

331670
21
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276875
41
g-index

130
all docs

130
docs citations

130
times ranked

1484
citing authors

#	ARTICLE	IF	CITATIONS
1	Detecting Distance-Spoofing Attacks in Arbitrarily-Deployed Wireless Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 4383-4395.	6.3	2
2	Drones as Sound Sensors for Energy-Based Acoustic Tracking on Wildfire Environments. IFIP Advances in Information and Communication Technology, 2022, , 109-125.	0.7	5
3	Swarm Optimization for Energy-Based Acoustic Source Localization: A Comprehensive Study. Sensors, 2022, 22, 1894.	3.8	4
4	Aerial Intelligent Reflecting Surfaces in MIMO-NOMA Networks: Fundamentals, Potential Achievements, and Challenges. IEEE Open Journal of the Communications Society, 2022, 3, 1007-1024.	6.9	7
5	Toward Secure Localization in Randomly Deployed Wireless Networks. IEEE Internet of Things Journal, 2021, 8, 17436-17448.	8.7	5
6	A Novel Highly-Efficient Amplification Scheme for Wireless Communications in a CathLab Environment. IEEE Access, 2021, 9, 87520-87530.	4.2	0
7	A New Perspective on Range and Directional Localization Problem. IEEE Open Journal of Vehicular Technology, 2021, 2, 337-344.	4.9	4
8	Energy Efficient Secure Communication Model against Cooperative Eavesdropper. Applied Sciences (Switzerland), 2021, 11, 1563.	2.5	2
9	An SOCP Estimator for Hybrid RSS and AOA Target Localization in Sensor Networks. Sensors, 2021, 21, 1731.	3.8	8
10	Distributed Spectrum Management in Cognitive Radio Networks by Consensus-Based Reinforcement Learning. Sensors, 2021, 21, 2970.	3.8	4
11	A Feed-Forward Neural Network Approach for Energy-Based Acoustic Source Localization. Journal of Sensor and Actuator Networks, 2021, 10, 29.	3.9	14
12	Multispectral Cameras and Machine Learning Integrated into Portable Devices as Clay Prediction Technology. Journal of Sensor and Actuator Networks, 2021, 10, 40.	3.9	14
13	Massive MIMO Techniques for 5G and Beyond Opportunities and Challenges. Electronics (Switzerland), 2021, 10, 1667.	3.1	30
14	A Multi-Start Algorithm for Solving the Capacitated Vehicle Routing Problem with Two-Dimensional Loading Constraints. Symmetry, 2021, 13, 1697.	2.2	8
15	Distributed Value Function Approximation for Collaborative Multiagent Reinforcement Learning. IEEE Transactions on Control of Network Systems, 2021, 8, 1270-1280.	3.7	9
16	GTRS-Based Algorithm for UAV Navigation in Indoor Environments Employing Range Measurements and Odometry. IEEE Access, 2021, 9, 89120-89132.	4.2	17
17	A Review of Techniques for Implementing Elliptic Curve Point Multiplication on Hardware. Journal of Sensor and Actuator Networks, 2021, 10, 3.	3.9	30
18	Seismic Data Recovery From a Reduced Set of Measurements. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	Kalman Filtering for Tracking a Moving Acoustic Source based on Energy Measurements. , 2021, , .		2
20	Application of deep learning algorithms and architectures in the new generation of mobile networks. Serbian Journal of Electrical Engineering, 2021, 18, 397-426.	0.4	0
21	Modified and Hybridized Monarch Butterfly Algorithms for Multi-Objective Optimization. Advances in Intelligent Systems and Computing, 2020, , 449-458.	0.6	7
22	A Geometric Approach for Distributed Multi-Hop Target Localization in Cooperative Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 914-919.	6.3	14
23	Development of a Test-Bench for Evaluating the Embedded Implementation of the Improved Elephant Herding Optimization Algorithm Applied to Energy-Based Acoustic Localization. Computers, 2020, 9, 87.	3.3	10
24	Nonlinear robustified stochastic consensus seeking. Systems and Control Letters, 2020, 139, 104667.	2.3	6
25	Sparse Analyzer Tool for Biomedical Signals. Sensors, 2020, 20, 2602.	3.8	3
26	Collaborative Data Transmission in Wireless Sensor Networks. IEEE Access, 2020, 8, 39647-39658.	4.2	6
27	Energy-Based Acoustic Localization by Improved Elephant Herding Optimization. IEEE Access, 2020, 8, 28548-28559.	4.2	18
28	Exploiting Orientation Information to Improve Range-Based Localization Accuracy. IEEE Access, 2020, 8, 44041-44047.	4.2	5
29	Secure Information Transmission with Self Jamming SWIPT. Electronics (Switzerland), 2020, 9, 587.	3.1	3
30	Joint Channel and Information Estimation on Symbol Decomposition-Based Secure Point-to-Point Communications. IFIP Advances in Information and Communication Technology, 2020, , 137-146.	0.7	1
31	Distributed Localization with Complemented RSS and AOA Measurements: Theory and Methods. Applied Sciences (Switzerland), 2020, 10, 272.	2.5	17
32	Cooperative Multi-Agent Reinforcement Learning for Spectrum Management in IoT Cognitive Networks. , 2020, , .		1
33	Distributed Gradient Temporal Difference Off-policy Learning With Eligibility Traces: Weak Convergence. IFAC-PapersOnLine, 2020, 53, 1563-1568.	0.9	2
34	A Channel Model for Polarized Off-Body Communications With Dynamic Users. IEEE Transactions on Antennas and Propagation, 2019, 67, 7001-7013.	5.1	17
35	A Linear Estimator for Network Localization Using Integrated RSS and AOA Measurements. IEEE Signal Processing Letters, 2019, 26, 405-409.	3.6	53
36	Estimating Directional Data From Network Topology for Improving Tracking Performance. Journal of Sensor and Actuator Networks, 2019, 8, 30.	3.9	6

#	ARTICLE	IF	CITATIONS
37	Dynamic Search Tree Growth Algorithm for Global Optimization. IFIP Advances in Information and Communication Technology, 2019, , 143-153.	0.7	21
38	Target Localization via Integrated and Segregated Ranging Based on RSS and TOA Measurements. Sensors, 2019, 19, 230.	3.8	18
39	Robust Nonlinear Consensus Seeking. , 2019, , .		2
40	Dependable and Secure Voting Mechanism in Edge Computing. Future Internet, 2019, 11, 262.	3.8	1
41	A Robust NLOS Bias Mitigation Technique for RSS-TOA-Based Target Localization. IEEE Signal Processing Letters, 2019, 26, 64-68.	3.6	49
42	Elephant Herding Optimization Algorithm for Wireless Sensor Network Localization Problem. IFIP Advances in Information and Communication Technology, 2018, , 175-184.	0.7	23
43	Exact Robust Solution to TW-ToA-Based Target Localization Problem With Clock Imperfections. IEEE Signal Processing Letters, 2018, 25, 531-535.	3.6	22
44	A bisection-based approach for exact target localization in NLOS environments. Signal Processing, 2018, 143, 328-335.	3.7	72
45	Bare Bones Fireworks Algorithm for the RFID Network Planning Problem. , 2018, , .		10
46	On Consensus-Based Distributed Blind Calibration of Sensor Networks. Sensors, 2018, 18, 4027.	3.8	10
47	Implementation and Validation of Elephant Herding Optimization Algorithm for Acoustic Localization. , 2018, , .		6
48	Bleeding Detection in Wireless Capsule Endoscopy Images Using Texture and Color Features. , 2018, , .		5
49	Case Study of Target Localization Based on Hybrid and Traditional Ranging via RSS and TOA. , 2018, , .		1
50	On Hybrid RSS/TOA Target Localization in NLOS Environments. , 2018, , .		1
51	Bare Bones Fireworks Algorithm for Medical Image Compression. Lecture Notes in Computer Science, 2018, , 262-270.	1.3	6
52	A Mobility Model for Wearable Antennas on Dynamic Users. IEEE Access, 2018, 6, 63635-63648.	4.2	13
53	Hybridized Artificial Bee Colony Algorithm for Constrained Portfolio Optimization Problem. , 2018, , .		12
54	Wireless Sensor Network Localization Problem by Hybridized Moth Search Algorithm. , 2018, , .		18

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55	Target Localization in NLOS Environments Using RSS and TOA Measurements. IEEE Wireless Communications Letters, 2018, 7, 1062-1065.	5.0	40
56	On Target Localization Using Combined RSS and AoA Measurements. Sensors, 2018, 18, 1266.	3.8	62
57	Hybridized moth search algorithm for constrained optimization problems. , 2018, , .		14
58	Monarch butterfly optimization algorithm for localization in wireless sensor networks. , 2018, , .		27
59	Elephant Herding Optimization for Energy-Based Localization. Sensors, 2018, 18, 2849.	3.8	38
60	Mobile wireless sensor networks coverage maximization by firefly algorithm. , 2017, , .		13
61	Kalman filter for target tracking using coupled RSS and AoA measurements. , 2017, , .		4
62	Performance analysis of a distributed algorithm for target localization in wireless sensor networks using hybrid measurements in a connection failure scenario. , 2017, , .		1
63	A Robust Bisection-Based Estimator for TOA-Based Target Localization in NLOS Environments. IEEE Communications Letters, 2017, 21, 2488-2491.	4.1	71
64	Bayesian methodology for target tracking using combined RSS and AoA measurements. Physical Communication, 2017, 25, 158-166.	2.1	26
65	3-D Target Localization in Wireless Sensor Networks Using RSS and AoA Measurements. IEEE Transactions on Vehicular Technology, 2017, 66, 3197-3210.	6.3	185
66	Distributed algorithm for target localization in wireless sensor networks using RSS and AoA measurements. Pervasive and Mobile Computing, 2017, 37, 63-77.	3.3	53
67	Target localization in adverse indoor environments. , 2017, , .		0
68	Static drone placement by elephant herding optimization algorithm. , 2017, , .		50
69	Using the Fireworks Algorithm for ML Detection of Nonlinear OFDM. , 2017, , .		6
70	Target Tracking with Sensor Navigation Using Coupled RSS and AoA Measurements. Sensors, 2017, 17, 2690.	3.8	18
71	MAP Estimator for Target Tracking in Wireless Sensor Networks for Unknown Transmit Power. IFIP Advances in Information and Communication Technology, 2017, , 325-334.	0.7	0
72	Color Image Segmentation by Multilevel Thresholding Based on Harmony Search Algorithm. Lecture Notes in Computer Science, 2017, , 571-579.	1.3	1

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73	Node localization in ad hoc wireless sensor networks using fireworks algorithm. , 2016, , .		21
74	An efficient WLS estimator for target localization in wireless sensor networks. , 2016, , .		4
75	Digital image forgery detection based on shadow texture features. , 2016, , .		4
76	A WLS Estimator for Target Localization in a Cooperative Wireless Sensor Network. IFIP Advances in Information and Communication Technology, 2016, , 273-283.	0.7	0
77	Distributed RSS-AoA Based Localization With Unknown Transmit Powers. IEEE Wireless Communications Letters, 2016, 5, 392-395.	5.0	105
78	A Closed-Form Solution for RSS/AoA Target Localization by Spherical Coordinates Conversion. IEEE Wireless Communications Letters, 2016, 5, 680-683.	5.0	84
79	Peak-to-average power ratio reduction in multiple-input multiple-output orthogonal frequency division multiple access systems using geodesic descent method. IET Communications, 2016, 10, 212-218.	2.2	7
80	Support Vector Machine Parameters Optimization by Enhanced Fireworks Algorithm. Lecture Notes in Computer Science, 2016, , 526-534.	1.3	28
81	Efficient estimator for distributed RSS-based localization in wireless sensor networks. , 2015, , .		3
82	One bit of feedback power allocation algorithm for collaborative beamforming in wireless sensor networks. , 2015, , .		1
83	Cooperative localization in wireless sensor networks using combined measurements. , 2015, , .		5
84	DCT based algorithm for blurred regions determination in digital images. , 2015, , .		1
85	A geodesic descent technique for PAPR reduction in MIMO-OFDM. , 2015, , .		1
86	Hybrid RSS-AoA technique for 3-D node localization in wireless sensor networks. , 2015, , .		15
87	Fireworks algorithm for RFID network planning problem. , 2015, , .		25
88	RSS-Based Localization in Wireless Sensor Networks Using Convex Relaxation: Noncooperative and Cooperative Schemes. IEEE Transactions on Vehicular Technology, 2015, 64, 2037-2050.	6.3	271
89	Multiobjective RFID Network Planning by Artificial Bee Colony Algorithm with Genetic Operators. Lecture Notes in Computer Science, 2015, , 247-254.	1.3	10
90	Collaborative beamforming techniques for data transmission in wireless sensor networks. Telfor Journal, 2015, 7, 62-67.	0.7	1

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91	Trade-off analysis of energy-efficiency versus generated interference when using regenerative relay. Telfor Journal, 2015, 7, 14-19.	0.7	0
92	Distributed RSS-Based Localization in Wireless Sensor Networks Based on Second-Order Cone Programming. Sensors, 2014, 14, 18410-18432.	3.8	56
93	Energy- and spectral-efficiency increase while constraining interference using regenerative relay. , 2014, , .		0
94	Simultaneous distributed carrier synchronization and data transmission in wireless sensor networks. , 2014, , .		1
95	Distributed RSS-Based Localization in Wireless Sensor Networks with Asynchronous Node Communication. IFIP Advances in Information and Communication Technology, 2014, , 515-524.	0.7	0
96	Relay Type 1a in LTE-Advanced: Can it increase energy efficiency?., 2014, , .		1
97	Robust Frequency-Domain Receivers for a Transmission Technique with Directivity at the Constellation Level. , 2014, , .		4
98	Energy-Based Localization in Wireless Sensor Networks Using Second-Order Cone Programming Relaxation. Wireless Personal Communications, 2014, 77, 1847-1857.	2.7	19
99	Distributed RSS-based localization in wireless sensor networks using convex relaxation. , 2014, , .		6
100	Systematic Method for Designing Constellations for Intensity-Modulated Optical Systems. Journal of Optical Communications and Networking, 2014, 6, 449.	4.8	17
101	Peak reduction in OFDM using second-order cone programming relaxation. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.7	1
102	Design of good constellations for single-subcarrier intensity-modulated optical systems. , 2014, , .		1
103	Space-Time Codebook Design for Spread Systems. Wireless Personal Communications, 2013, 69, 1783-1797.	2.7	2
104	Efficient Amplification and Detection of Multilevel SC-FDE Signals Based on BPSK Components. , 2013, , .		3
105	On the Use of Multiple Amplifiers and Antennas for Efficient Directive Transmission with Large Constellations. , 2013, , .		3
106	RSS-based localization in wireless sensor networks using SOCP relaxation. , 2013, , .		12
107	On the Use of Multiple Grossly Nonlinear Amplifiers for Highly Efficient Linear Amplification of Multilevel Constellations. , 2013, , .		9
108	Random Access NDMA MAC Protocols for Satellite Networks. Lecture Notes in Computer Science, 2013, , 427-438.	1.3	0

#	ARTICLE	IF	CITATIONS
109	Efficient convex optimization for beamforming in cognitive radio multicast transmission. , 2012, , .		1
110	Efficient Beamforming in Cognitive Radio Multicast Transmission. IEEE Transactions on Wireless Communications, 2012, 11, 4108-4117.	9.2	24
111	Convex optimization-based beamforming in cognitive radio multicast transmission. , 2012, , .		4
112	Designing Good Multi-Dimensional Constellations. IEEE Wireless Communications Letters, 2012, 1, 221-224.	5.0	66
113	Efficient receivers for SC-FDE with offset modulations. , 2012, , .		0
114	On energy-based localization in wireless sensor networks. , 2011, , .		3
115	Energy-based localization in wireless sensor networks using semidefinite relaxation. , 2011, , .		10
116	A complex convex relaxation for approximate maximum likelihood 2D energy-based source localization in sensor networks. , 2010, , .		1
117	A simple design of structured space-time block codes for communication in spread systems. , 2010, , .		0
118	Space-time block code design for communication in spread systems. , 2010, , .		1
119	Codebook design for communication in spread and nonspread space-time block codes-based systems. , 2009, , .		3
120	Further Results on the Capacity and Error Probability Analysis of Noncoherent MIMO Systems in the Low SNR Regime. IEEE Transactions on Signal Processing, 2008, 56, 2915-2930.	5.3	19
121	Capacity and Error Probability Analysis of Non-Coherent MIMO Systems in the Low SNR Regime. , 2007, , .		2
122	Noncoherent Communication in Multiple-Antenna Systems: Receiver Design and Codebook Construction. IEEE Transactions on Signal Processing, 2007, 55, 5703-5715.	5.3	32
123	Codebook Design for the Non-Coherent GLRT Receiver and Low SNR MIMO Block Fading Channel. , 2006, , .		3
124	Combining Gradient-Based and Thresholding Methods for Improved Signal Reconstruction Performance. Journal of Signal Processing Systems, 0, , .	2.1	0