Taufik Abrao

List of Publications by Year
in descending order

225 papers	2,211 citations	304368 22 h-index	329751 37 g-index
225 all docs	225 docs citations	225 times ranked	2236 citing authors

#	Article	IF	Citations
1	Deep Learning-Based Activity Detection for Grant-Free Random Access. IEEE Systems Journal, 2023, 17, 940-951.	2.9	3
2	Low-margin efficient power and spectrum assignment in elastic optical networks. Optical Switching and Networking, 2022, 43, 100649.	1.2	1
3	Massive MIMO and NOMA bits-per-antenna efficiency under power allocation policies. Physical Communication, 2022, 51, 101588.	1.2	2
4	Throughput and latency in the distributed Q-learning random access mMTC networks. Computer Networks, 2022, 206, 108787.	3.2	5
5	Clustered Double-Scattering Channel Modeling for XL-MIMO With Uniform Arrays. IEEE Access, 2022, 10, 20173-20186.	2.6	4
6	Exploring the Non-Overlapping Visibility Regions in XL-MIMO Random Access and Scheduling. IEEE Transactions on Wireless Communications, 2022, 21, 6597-6610.	6.1	10
7	D2D Assisted Q-Learning Random Access for NOMA-Based MTC Networks. IEEE Access, 2022, 10, 30694-30706.	2.6	10
8	User-Centric Perspective in Random Access Cell-Free Aided by Spatial Separability. IEEE Internet of Things Journal, 2022, 9, 16562-16576.	5.5	4
9	Machine learning-aided pilot and power allocation in multi-cellular massive MIMO networks. Physical Communication, 2022, 52, 101646.	1.2	2
10	CNN-aided multiple PU spectrum sensing in uncalibrated massive antennas SU system. Physical Communication, 2022, 53, 101715.	1.2	2
11	Max-Min fairness-based resource allocation in massive MIMO systems. Semina: Ciências Exatas E Tecnológicas, 2022, 43, 45.	0.3	0
12	Modeling and mitigation of spectral crosstalk in OFDM WDM-VLC system. Optics Communications, 2021, 478, 126361.	1.0	1
13	Spectral and energy efficiency tradeoff in optical code division multiple access networks. Transactions on Emerging Telecommunications Technologies, 2021, 32, .	2.6	4
14	On the Sum-Rate of Contention Resolution in Massive MIMO With NOMA. IEEE Access, 2021, 9, 24965-24974.	2.6	4
15	Energy-efficient flexible and fixed antenna selection methods for XL-MIMO systems. AEU - International Journal of Electronics and Communications, 2021, 130, 153568.	1.7	3
16	Energy and spectral efficiency trade-off in OCDMA-PON assisted by non-linear programming methods. Computer Networks, 2021, 189, 107920.	3.2	3
17	Antenna selection in nonorthogonal multiple access multipleâ€input multipleâ€output systems aided by machine learning. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4283.	2.6	6
18	Lotka-Volterra distributed power control model for OCDMA systems. AEU - International Journal of Electronics and Communications, 2021, 135, 153722.	1.7	2

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19	Accelerated Randomized Methods for Receiver Design in Extra-Large Scale MIMO Arrays. IEEE Transactions on Vehicular Technology, 2021, 70, 6788-6799.	3.9	9
20	Quasi-Distributed Antenna Selection for Spectral Efficiency Maximization in Subarray Switching XL-MIMO Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 6713-6725.	3.9	13
21	Energy and spectral efficiencies trade-off in MIMO-NOMA system under user-rate fairness and variable user per cluster. Physical Communication, 2021, 47, 101348.	1.2	6
22	Non-linear biobjective EE-SE optimization for NOMA-MIMO systems under user-rate fairness and variable number of users per cluster. AEU - International Journal of Electronics and Communications, 2021, 138, 153870.	1.7	4
23	Resource efficiency and pilot decontamination in XL‐MIMO double‐scattering correlated channels. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4365.	2.6	1
24	Halton-Chaos and ALPSO power allocation methods for passive optical CDMA networks. AEU - International Journal of Electronics and Communications, 2021, 139, 153911.	1.7	2
25	Mitigating the noisy solution impact of mixed Gibbs sampling detector in high-order modulation large-scale MIMO systems. Eurasip Journal on Advances in Signal Processing, 2021, 2021, .	1.0	1
26	Modeling the kinetics of potentially toxic elements desorption in sediment affected by a dam breakdown disaster in Doce River - Brazil. Chemosphere, 2021, 283, 131157.	4.2	7
27	Water Resource Management Aided by Game Theory. Springer Water, 2021, , 217-262.	0.2	1
28	Spectrum sensing optimization in uncalibrated massive antennas systems. Physical Communication, 2021, 49, 101484.	1.2	2
29	Linear detectors and precoding methods for massive MIMO. Semina: Ciâncias Exatas E Tecnolã³gicas, 2021, 42, 209.	0.3	0
30	Direction-of-Arrival Estimation Methods: A Performance-Complexity Tradeoff Perspective. Journal of Signal Processing Systems, 2020, 92, 239-256.	1.4	41
31	Augmented Lagrangian combined to evolutionary heuristic for energy efficiency in OCDMA networks. Optical Switching and Networking, 2020, 36, 100542.	1.2	9
32	Adjustable threshold LAS massive MIMO detection under imperfect CSI and spatial correlation. Physical Communication, 2020, 38, 100971.	1.2	1
33	Closed-Form Bit Error Probabilities for FBMC Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 1237-1244.	3.9	7
34	Adaptive chaotic hurricane-aided efficient power assignment for elastic optical networks. Optical Switching and Networking, 2020, 39, 100595.	1.2	2
35	Faults in smart grid systems: Monitoring, detection and classification. Electric Power Systems Research, 2020, 189, 106602.	2.1	77
36	Low-Complexity Distributed XL-MIMO for Multiuser Detection. , 2020, , .		16

#	Article	IF	Citations
37	A Grant-Based Random Access Protocol in Extra-Large Massive MIMO System. IEEE Communications Letters, 2020, 24, 2478-2482.	2.5	16
38	Stochastic channel models for massive and extreme large multiple‐input multiple‐output systems. Transactions on Emerging Telecommunications Technologies, 2020, 31, e4099.	2.6	7
39	Antenna Selection for Improving Energy Efficiency in XL-MIMO Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 13305-13318.	3.9	38
40	XL-MIMO energy-efficient antenna selection under non-stationary channels. Physical Communication, 2020, 43, 101189.	1.2	4
41	A NOMA-Based Q-Learning Random Access Method for Machine Type Communications. IEEE Wireless Communications Letters, 2020, 9, 1720-1724.	3.2	37
42	A new approach to evaluate toxic metal transport in a catchment. Environmental Monitoring and Assessment, 2020, 192, 234.	1.3	5
43	Heuristic Chaotic Hurricane-Aided Efficient Power Assignment for Elastic Optical Network. IEEE Access, 2020, 8, 83359-83374.	2.6	4
44	Adaptive current harmonic estimation under fault conditions for smart grid systems. Electric Power Systems Research, 2020, 183, 106276.	2.1	19
45	Achieving Fair Random Access Performance in Massive MIMO Crowded Machine-Type Networks. IEEE Wireless Communications Letters, 2020, 9, 503-507.	3.2	15
46	Nonorthogonal multiple access systems optimization to ensure maximum fairness to users. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3875.	2.6	6
47	Distributed average consensus optimization for cooperative spectrum sensing in cognitive radio ad hoc networks. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3965.	2.6	4
48	Hopfield learning‐based and non‐linear programming methods for resource allocation in OCDMA networks. IET Communications, 2020, 14, 1925-1936.	1.5	3
49	Machine learning‐based models for spectrum sensing in cooperative radio networks. IET Communications, 2020, 14, 3102-3109.	1.5	19
50	Wavelength widths of optical filters for optimum SINR in WDM-VLC systems. Applied Optics, 2020, 59, 5615.	0.9	2
51	Adaptive PID Scheme for OCDMA Next Generation PON Based on Heuristic Swarm Optimization. IEEE Systems Journal, 2019, 13, 500-510.	2.9	11
52	BER minimisation via optimal power allocation and eigenbeamforming in MIMO systems. Telecommunication Systems, 2019, 70, 277-293.	1.6	0
53	Low-complexity Kaczmarz precoding in DL massive MIMO with partial CSI and correlation. Physical Communication, 2019, 37, 100902.	1.2	3
54	Efficient multitap equalization for FBMC‐OQAM systems. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3775.	2.6	5

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55	Kaczmarz Precoding and Detection for Massive MIMO Systems. , 2019, , .		1
56	Randomized Kaczmarz algorithm for massive MIMO systems with channel estimation and spatial correlation. International Journal of Communication Systems, 2019, 32, e4158.	1.6	6
57	Massive MIMO for Internet of Things (IoT) connectivity. Physical Communication, 2019, 37, 100859.	1.2	77
58	Near‐perfect reconstruction short length pulses for FBMC systems: re‐optimising OFDP design via semi‐definite programming. IET Signal Processing, 2019, 13, 701-707.	0.9	2
59	Collision Resolution Protocol via Soft Decision Retransmission Criterion. IEEE Transactions on Vehicular Technology, 2019, 68, 4094-4097.	3.9	14
60	3-D Localization With Multiple LEDs Lamps in OFDM-VLC System. IEEE Access, 2019, 7, 6249-6261.	2.6	14
61	Exponential spatial correlation with large‐scale fading variations in massive MIMO channel estimation. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3563.	2.6	7
62	Coordination of distance and directional overcurrent relays using an extended continuous domain ACO algorithm and an hybrid ACO algorithm. Electric Power Systems Research, 2019, 170, 259-272.	2.1	37
63	Total Energy Efficiency of TR-MRC and FD-MRC Receivers for Massive MIMO Uplink. IEEE Systems Journal, 2019, 13, 2285-2296.	2.9	4
64	Wavelet against random forest for anomaly mitigation in software-defined networking. Applied Soft Computing Journal, 2019, 80, 138-153.	4.1	11
65	Linear, Quadratic, and Semidefinite Programming Massive MIMO Detectors: Reliability and Complexity. IEEE Access, 2019, 7, 29506-29519.	2.6	19
66	Low-Complexity Massive MIMO Detectors Under Spatial Correlation and Channel Error Estimates. Wireless Personal Communications, 2019, 106, 2335-2358.	1.8	3
67	Energy-efficient QoS-based OCDMA networks aided by nonlinear programming methods. AEU - International Journal of Electronics and Communications, 2019, 98, 144-155.	1.7	17
68	FBMC Prototype Filter Design via Convex Optimization. IEEE Transactions on Vehicular Technology, 2019, 68, 393-404.	3.9	20
69	Improved MB Cognitive Radio Spectrum Sensing Using Wavelet Spectrum Filtering. Journal of Circuits, Systems and Computers, 2019, 28, 1950136.	1.0	0
70	Multiple restarts mixed Gibbs sampling detector for large‐scale antenna systems. IET Signal Processing, 2019, 13, 273-285.	0.9	8
71	Predistortion and pre-equalization for nonlinearities and low-pass effect mitigation in OFDM-VLC systems. Applied Optics, 2019, 58, 5328.	0.9	5
72	Massive MIMO pilot assignment optimization based on total capacity. Telecommunication Systems, 2018, 69, 489-503.	1.6	2

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73	Efficient ZF-WF strategy for sum-rate maximization of MU-MISO cognitive radio networks. AEU - International Journal of Electronics and Communications, 2018, 84, 366-374.	1.7	5
74	Improved weighted average consensus in distributed cooperative spectrum sensing networks. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3259.	2.6	4
75	An ecosystem for anomaly detection and mitigation in software-defined networking. Expert Systems With Applications, 2018, 104, 121-133.	4.4	53
76	Network Anomaly Detection System using Genetic Algorithm and Fuzzy Logic. Expert Systems With Applications, 2018, 92, 390-402.	4.4	183
77	Sorptionâ€"desorption of antimony species onto calcined hydrotalcite: Surface structure and control of competitive anions. Journal of Hazardous Materials, 2018, 344, 649-656.	6.5	26
78	An Evaluation of Successive Pilot Decontamination in Massive MIMO. Semina: CiÃªncias Exatas E TecnolÃ³gicas, 2018, 39, 107.	0.3	0
79	Power Allocation in PON-OCDMA with Improved Chaos Particle Swarm Optimization. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2018, 17, 268-283.	0.4	4
80	Auto-Tuning PID Distributed Power Control for Next-Generation Passive Optical Networks. Journal of Optical Communications and Networking, 2018, 10, D110.	3.3	13
81	Fast Defense System Against Attacks in Software Defined Networks. IEEE Access, 2018, 6, 69620-69639.	2.6	26
82	Hybrid Hughesâ€"Hartogs power allocation algorithms for OFDMA systems. IET Signal Processing, 2018, 12, 1185-1192.	0.9	2
83	Efficient detectors for MIMO-OFDM systems under spatial correlation antenna arrays. ETRI Journal, 2018, 40, 570-581.	1.2	3
84	Sequential likelihood ascent search detector for massive MIMO systems. AEU - International Journal of Electronics and Communications, 2018, 96, 30-39.	1.7	8
85	Closed-Form Directivity Expression for Arbitrary Volumetric Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2018, 66, 7443-7448.	3.1	11
86	Power allocation scheme for mitigation of fiber temperature fluctuations in OCDMA networks based on firefly algorithm. Optical Switching and Networking, 2018, 30, 1-9.	1.2	3
87	Efficient detection in uniform linear and planar arrays MIMO systems under spatial correlated channels. International Journal of Communication Systems, 2018, 31, e3697.	1.6	4
88	Adaptive Power Control Algorithm for Dynamical Transmitted Power Optimization in Mixed-Line-Rate Optical Networks. IEEE Communications Letters, 2018, 22, 2032-2035.	2.5	6
89	DE/PSOâ€"aided hybrid linear detectors for MIMOâ€"OFDM systems under correlated arrays. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3495.	2.6	1
90	Spectrum Sensing Methods for Cognitive Radio Networks: A Review. Wireless Personal Communications, 2017, 95, 5003-5037.	1.8	17

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91	A Game Theoretical Based System Using Holt-Winters and Genetic Algorithm With Fuzzy Logic for DoS/DDoS Mitigation on SDN Networks. IEEE Access, 2017, 5, 9485-9496.	2.6	54
92	Game Theory Based Resource Allocation in Multi-Cell Massive MIMO OFDMA Networks. , 2017, , .		4
93	Sorption-desorption of selenite and selenate on Mg-Al layered double hydroxide in competition with nitrate, sulfate and phosphate. Chemosphere, 2017, 181, 627-634.	4.2	61
94	Power allocation in multibeam satellites based on particle swarm optimization. AEU - International Journal of Electronics and Communications, 2017, 78, 124-133.	1.7	24
95	Uplink Performance of Single-Carrier Receiver in Massive MIMO With Pilot Contamination. IEEE Access, 2017, 5, 8669-8681.	2.6	13
96	Sorption and desorption of silver ions by bentonite clays. Environmental Science and Pollution Research, 2017, 24, 11349-11359.	2.7	9
97	Theoretical error for asynchronous multiâ€user largeâ€scale MIMO channel estimation. IET Communications, 2017, 11, 17-24.	1.5	2
98	Message passing detection for largeâ€scale MIMO systems: damping factor analysis. IET Signal Processing, 2017, 11, 923-935.	0.9	3
99	Achieving Maximum Effective Capacity in OFDMA Networks Operating Under Statistical Delay Guarantee. IEEE Access, 2017, 5, 14333-14346.	2.6	11
100	Efficient Lattice Reduction Aided Detectors Under Realistic MIMO Channels. Wireless Personal Communications, 2017, 95, 947-978.	1.8	3
101	Energy efficient adaptive optical CDMA random access protocol based on particle swarm optimization. Photonic Network Communications, 2017, 33, 275-289.	1.4	10
102	Bayesian estimators for cooperative spectrum sensing in cognitive radio networks. , 2017, , .		12
103	Joint uplink and downlink optimization of pilot assignment for massive MIMO with power control. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3250.	2.6	6
104	Estimation Uncertainties in the Optical Signal-to-Noise Ratio Network Optimization. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2016, 15, 1-17.	0.4	0
105	Uma Abordagem HeurÃstica para o Algoritmo PTS na ReduÃ§Ã£o da PAPR em Sistemas OFDM. Semina: CiÃªncias Exatas E TecnolÃ³gicas, 2016, 37, 33.	0.3	0
106	Input Back-Off Optimization in OFDM Systems Under Ideal Pre-Distorters. IEEE Wireless Communications Letters, 2016, 5, 464-467.	3.2	19
107	Cooperative multiâ€cellular large MIMO over asynchronous channel training. International Journal of Communication Systems, 2016, 29, 2330-2348.	1.6	2
108	Linear detection analysis in MIMO-OFDM with spatial correlation. , 2016, , .		2

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109	Pilot distribution optimization in multi-cellular large scale MIMO systems. AEU - International Journal of Electronics and Communications, 2016, 70, 1094-1103.	1.7	24
110	MIMO transmit scheme based on morphological perceptron with competitive learning. Neural Networks, 2016, 80, 9-18.	3.3	5
111	Power Allocation Scheme for OCDMA NG-PON With Proportionalâ€"Integralâ€"Derivative Algorithms. Journal of Optical Communications and Networking, 2016, 8, 645.	3.3	14
112	Power and Subcarrier Allocation Strategies for Energy-Efficient Uplink OFDMA Systems. IEEE Journal on Selected Areas in Communications, 2016, 34, 3142-3156.	9.7	10
113	Stability analysis in Gramâ€"Schmidt QR decomposition. IET Signal Processing, 2016, 10, 912-917.	0.9	5
114	Energyâ€efficiency maximisation for cooperative and nonâ€cooperative OFDMA cellular networksâ€"a survey. Transactions on Emerging Telecommunications Technologies, 2016, 27, 216-248.	2.6	10
115	WDM/OCDM Energy-Efficient Networks Based on Heuristic Ant Colony Optimization. IEEE Systems Journal, 2016, 10, 1482-1493.	2.9	23
116	MIMO Precoding for Correlated Fading Channels. Journal of Circuits, Systems and Computers, 2016, 25, 1650041.	1.0	1
117	Time-delay and estimation uncertainty impact on the heuristic-based power control of optical networks. Optical and Quantum Electronics, 2016, 48, 1.	1.5	2
118	Energy Efficient OFDMA Networks Maintaining Statistical QoS Guarantees for Delay-Sensitive Traffic. IEEE Access, 2016, 4, 774-791.	2.6	80
119	Ordered MMSEâ€"SIC via sorted QR decomposition in ill conditioned large-scale MIMO channels. Telecommunication Systems, 2016, 63, 335-346.	1.6	8
120	Delay and estimation uncertainty in distributed power control algorithm for optical CDMA networks. Optical Switching and Networking, 2016, 21, 67-78.	1.2	6
121	Energy efficiency in optical CDMA networks with forward error correction. Photonic Network Communications, 2016, 31, 1-10.	1.4	6
122	SincronizaÃ§Ã£o por RealimentaÃ§Ã£o de Erro no Circuito EletrÃ´nico da PartÃcula em Mesa VibratÃ³ria. Semina: CiÃªncias Exatas E TecnolÃ³gicas, 2016, 37, 23.	0.3	0
123	SeleÃ§Ã£o de sequÃªncias de espalhamento e Desempenho de Sistemas DS/CDMA. Semina: CiÃªncias Exatas E TecnolÃ³gicas, 2016, 37, 55.	0.3	0
124	Firefly Algorithm in Telecommunications. , 2015, , 43-72.		1
125	Analysis and Modeling of Brazilian Indoor PLC Channels Controlled Environment - Testing and Validation. IEEE Latin America Transactions, 2015, 13, 2473-2481.	1.2	3
126	The Impact of Geographic Distribution in Passive Optical Network with Optical CDMA. IEEE Latin America Transactions, 2015, 13, 2152-2158.	1.2	0

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127	Energy and spectral efficiencies trade‐off with filter optimisation in multiple access interference‐aware networks. Transactions on Emerging Telecommunications Technologies, 2015, 26, 670-685.	2.6	8
128	Efficient Near-Optimum Detectors for Large MIMO Systems Under Correlated Channels. Wireless Personal Communications, 2015, 83, 1287-1311.	1.8	15
129	Subcarrier and Power Allocation Algorithm for Spectral Efficiency Maximization in Superposition Coding OFDMA Systems. Journal of Circuits, Systems and Computers, 2015, 24, 1550061.	1.0	0
130	Transport of radioselenium oxyanions by diffusion in unsaturated soils. Radiochimica Acta, 2015, 103, 501-511.	0.5	1
131	Leachability of major and minor elements from soils and sediments of an abandoned coal mining area in Southern Brazil. Environmental Monitoring and Assessment, 2015, 187, 83.	1.3	8
132	Bit‐error‐rate minimisation in multiuser transmission schemes for multiple‐input ‐ multiple‐output communication with increasing number of base station antennas. IET Communications, 2015, 9, 1960-1967.	1.5	1
133	Mitigation of Environmental Temperature Variation Effects in OCDMA Networks Using PSO Power Control. Journal of Optical Communications and Networking, 2015, 7, 707.	3.3	8
134	Energy Efficiency Analysis in Adaptive FEC-Based Lightpath Elastic Optical Networks. Journal of Circuits, Systems and Computers, 2015, 24, 1550133.	1.0	6
135	Energy-Efficient Next-Generation Passive Optical Networks Based on Sleep Mode and Heuristic Optimization. Fiber and Integrated Optics, 2015, 34, 91-111.	1.7	10
136	Guided Search MIMO Detectors aided by Lattice Reduction under Correlated Channels. IEEE Latin America Transactions, 2015, 13, 599-608.	1.2	0
137	Seleção de Relays em Esquemas Cooperativos com Links Bidirecionais - Uma Revisão. Semina: Ciências Exatas E Tecnológicas, 2015, 36, 51.	0.3	0
138	Ant Colony Input Parameters Optimization for Multiuser Detection in DS/CDMA Systems. IEEE Latin America Transactions, 2014, 12, 1355-1364.	1.2	2
139	PAPR and saturation effects of power amplifiers in SM OFDM and V-BLAST OFDM systems. , 2014, , .		4
140	Performance and complexity analysis of sub-optimum MIMO detectors under correlated channel. , 2014, , .		4
141	Power-rate control in multirate multiple access networks via heuristic ant colony optimization. , 2014, , .		0
142	Cadmium mobility in sediments and soils from a coal mining area on Tibagi River watershed: Environmental risk assessment. Journal of Hazardous Materials, 2014, 265, 280-287.	6.5	62
143	LR-Aided MIMO Detectors under Correlated and Imperfectly Estimated Channels. Wireless Personal Communications, 2014, 77, 173-196.	1.8	15
144	Lattice Reduction Aided Detector for MIMO Communication Via Ant Colony Optimisation. Wireless Personal Communications, 2014, 77, 63-85.	1.8	12

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145	Comparison of the electromyographic activity of the anterior trunk during the execution of two Pilates exercises â€" teaser and longspine â€" for healthy people. Journal of Electromyography and Kinesiology, 2014, 24, 689-697.	0.7	12
146	Game Theoretic Energy Efficiency Design in MC-CDMA Cooperative Networks. IEEE Sensors Journal, 2014, 14, 3065-3075.	2.4	4
147	The Electromyographic Activity of the Multifidus Muscles During the Execution of Two Pilates Exercisesâ€"Swan Dive and Breast Strokeâ€"for Healthy People. Journal of Manipulative and Physiological Therapeutics, 2013, 36, 319-326.	0.4	9
148	MMSE Pre-distortion Scheme for Multiuser UWB. Wireless Personal Communications, 2013, 70, 1307-1319.	1.8	0
149	Distributed Fuzzy Logic-Based Relay Selection Algorithm for Cooperative Wireless Sensor Networks. IEEE Sensors Journal, 2013, 13, 4375-4386.	2.4	28
150	Power consumption optimization in multi-granular optical networks with particle swarm intelligence. , 2013, , .		0
151	Hybrid 1-opt Local Search Polynomial-Expanded Linear Multiuser Detectors. IEEE Latin America Transactions, 2013, 11, 1169-1175.	1.2	0
152	SDR Lattice-Reduction-Aided Detector. IEEE Latin America Transactions, 2013, 11, 1007-1014.	1.2	1
153	SIR optimization in wavelength-hopping time spreading optical code routed networks. Optik, 2013, 124, 3208-3214.	1.4	1
154	Energy efficiency design in MC-CDMA cooperative networks. , 2013, , .		0
155	Relay selection methods for maximizing the lifetime of wireless sensor networks. , 2013, , .		8
156	Energy-Efficient Power Allocation for WDM/OCDM Networks With Particle Swarm Optimization. Journal of Optical Communications and Networking, 2013, 5, 512.	3.3	27
157	Lattice reduction aided detector for dense MIMO via ant colony optimization. , 2013, , .		1
158	Hybrid local search polynomial-expanded linear multiuser detector for DS/CDMA systems. International Journal of Wireless and Mobile Computing, 2013, 6, 18.	0.1	1
159	Particle swarm optimization in WDM/OCDM networks with physical impairments. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2013, 12, 336-352.	0.4	4
160	AnÃ¡lise comparativa da atividade elÃ©trica do mÃºsculo multÃfido durante exercÃcios do Pilates, sÃ©rie de Williams e Spine Stabilization. Fisioterapia Em Movimento, 2013, 26, 87-94.	0.4	7
161	A comparative analysis of three metaheuristic methods applied to fuzzy cognitive maps learning. Pesquisa Operacional, 2013, 33, 443-465.	0.1	2
162	Estimador de Coeficientes de Canal DS/CDMA Baseado em Filtragem de PartÃculas. Semina: CiÃªncias Exatas E TecnolÃ³gicas, 2013, 34, 107-116.	0.3	0

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163	Comparison of multiple‐input single‐output single‐user ultra‐wideband systems with pre‐distortion. European Transactions on Telecommunications, 2012, 23, 240-253.	1.2	0
164	Constrained least square pre-distortion scheme for multiuser ultra-wideband. IET Communications, 2012, 6, 1334.	1.5	2
165	Monte Carlo method applied to modeling copper transport in river sediments. Stochastic Environmental Research and Risk Assessment, 2012, 26, 1063-1079.	1.9	11
166	Local Search Detection in Multiple Access DS/CDMA Networks. IEEE Latin America Transactions, 2012, 10, 1482-1488.	1.2	0
167	Spectral analysis of electromyographic signal in supramaximal effort in cycle ergometer using Fourier and Wavelet transforms: a comparative study. Revista Andaluza De Medicina Del Deporte, 2012, 5, 48-52.	0.1	8
168	Ant colony input parameters optimization for multiuser detection in DS/CDMA systems. Expert Systems With Applications, 2012, 39, 12876-12884.	4.4	19
169	The effects of power control on the optical CDMA random access protocol. Optical Switching and Networking, 2012, 9, 52-60.	1.2	15
170	Anomaly detection using DSNS and Firefly Harmonic Clustering Algorithm. , 2012, , .		15
171	Sequence design for MPG QS‐CDMA systems based on heuristic combinatorial optimization. Wireless Communications and Mobile Computing, 2012, 12, 236-247.	0.8	2
172	Hybrid heuristic-waterfilling game theory approach in MC-CDMA resource allocation. Applied Soft Computing Journal, 2012, 12, 1902-1912.	4.1	17
173	Análise espectral do sinal EMG de exercício incremental em ciclistas e não ciclistas usando as transformadas de Fourier e Wavelet. Revista Brasileira De Cineantropometria E Desempenho Humano, 2012, 14, .	0.5	3
174	Increasing energy efficiency in OCDMA network via distributed power control. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2012, 11, 39-55.	0.4	3
175	Analysis of semidefinite relaxation detector in MIMO channel. , 2011, , .		0
176	Power-Rate Allocation in DS/CDMA Systems Based on Discretized Verhulst Equilibrium. IEEE Latin America Transactions, 2011, 9, 681-689.	1.2	0
177	Distributed SNIR Optimization Based on the Verhulst Model in Optical Code Path Routed Networks With Physical Constraints. Journal of Optical Communications and Networking, 2011, 3, 683.	3.3	18
178	Multiple Access Network Optimization Aspects via Swarm Search Algorithms. , 2011, , .		7
179	Implementação eficiente de filtros adaptativos utilizando a plataforma TMS320C6713. Semina: Ciências Exatas E Tecnológicas, 2011, 32, 115-131.	0.3	1
180	Análise espectral do sinal EMG dos músculos superficiais do quadríceps durante exercício submáximo de carga constante no cicloergômetro. Revista Da Educação Física, 2011, 22, .	0.0	1

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181	Pre-distortion schemes for MISO single-user ultra-wideband systems. , 2011, , .		1
182	Performance analysis of a single-user MISO ultra-wideband time reversal system with DFE. Telecommunication Systems, 2011, 46, 333-342.	1.6	3
183	Distributed power control algorithm for multiple access systems based on Verhulst model. AEU - International Journal of Electronics and Communications, 2011, 65, 361-372.	1.7	28
184	Jointly multiâ€user detection and channel estimation with genetic algorithm. Wireless Communications and Mobile Computing, 2011, 11, 767-782.	0.8	1
185	Examination of competitive lanthanide sorption onto smectites and its significance in the management of radioactive waste. Journal of Hazardous Materials, 2011, 186, 1930-1941.	6.5	16
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