

Daryoush Habibi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6062537/publications.pdf>

Version: 2024-02-01

135
papers

3,883
citations

136885

32
h-index

143943

57
g-index

135
all docs

135
docs citations

135
times ranked

4001
citing authors

#	ARTICLE	IF	CITATIONS
1	Green traffic backhauling in next generation wireless communication networks incorporating FSO/mmWave technologies. <i>Computer Communications</i> , 2022, 182, 223-237.	3.1	1
2	A survey on energy efficiency in underwater wireless communications. <i>Journal of Network and Computer Applications</i> , 2022, 198, 103295.	5.8	40
3	An Optimal Charging Solution for Commercial Electric Vehicles. <i>IEEE Access</i> , 2022, 10, 46162-46175.	2.6	10
4	Smart charging strategies for heavy electric vehicles. <i>ETransportation</i> , 2022, 13, 100182.	6.8	6
5	Lifetime Maximization in Underwater Wireless Communication Networks. <i>IEEE Sensors Journal</i> , 2022, 22, 15549-15560.	2.4	1
6	A Green Traffic Steering Solution for Next Generation Communication Networks. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2021, 7, 222-238.	4.9	4
7	Radial profiling of near-borehole formation velocities by a stepwise inversion of acoustic well logging data. <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 107648.	2.1	6
8	Green Underwater Wireless Communications Using Hybrid Optical-Acoustic Technologies. <i>IEEE Access</i> , 2021, 9, 85109-85123.	2.6	11
9	Enhancing Athlete Tracking Using Data Fusion in Wearable Technologies. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-13.	2.4	8
10	A range error reduction technique for positioning applications in sports. <i>Journal of Engineering</i> , 2021, 2021, 73-84.	0.6	1
11	Analysis of GPS and UWB positioning system for athlete tracking. <i>Measurement: Sensors</i> , 2021, 14, 100036.	1.3	10
12	Dispatch management of portable charging stations in electric vehicle networks. <i>ETransportation</i> , 2021, 8, 100112.	6.8	31
13	Charging Infrastructure for Commercial Electric Vehicles: Challenges and Future Works. <i>IEEE Access</i> , 2021, 9, 121476-121492.	2.6	59
14	Optimal Sizing of Energy Storage System to Reduce Impacts of Transportation Electrification on Power Distribution Transformers Integrated With Photovoltaic. <i>IEEE Access</i> , 2021, 9, 144687-144698.	2.6	4
15	Advancements in electromagnetic interference shielding cementitious composites. <i>Construction and Building Materials</i> , 2020, 231, 117116.	3.2	50
16	Optimal sizing design and operation of electrical and thermal energy storage systems in smart buildings. <i>Journal of Energy Storage</i> , 2020, 28, 101186.	3.9	68
17	A Cooperative Green Content Caching Technique for Next Generation Communication Networks. <i>IEEE Transactions on Network and Service Management</i> , 2020, 17, 375-388.	3.2	11
18	Proactive content caching using surplus renewable energy: A win-win solution for both network service and energy providers. <i>Future Generation Computer Systems</i> , 2020, 105, 210-221.	4.9	11

#	ARTICLE	IF	CITATIONS
19	Content Caching in Industrial IoT: Security and Energy Considerations. IEEE Internet of Things Journal, 2020, 7, 491-504.	5.5	28
20	Assessment of a Novel Algorithm to Determine Change-of-Direction Angles While Running Using Inertial Sensors. Journal of Strength and Conditioning Research, 2020, 34, 134-144.	1.0	16
21	A real-time energy management strategy for pumped hydro storage systems in farmhouses. Journal of Energy Storage, 2020, 32, 101928.	3.9	12
22	Improving solar cooker performance using phase change materials: A comprehensive review. Solar Energy, 2020, 207, 539-563.	2.9	64
23	A Secure and Energy-Aware Approach For Cognitive Radio Communications. IEEE Open Journal of the Communications Society, 2020, 1, 900-915.	4.4	10
24	Improving firefighter tenability during entrapment and burnover: An analysis of vehicle protection systems. Fire Safety Journal, 2020, 118, 103209.	1.4	3
25	Reducing the Impacts of Electric Vehicle Charging on Power Distribution Transformers. IEEE Access, 2020, 8, 210183-210193.	2.6	24
26	A Review on Green Caching Strategies for Next Generation Communication Networks. IEEE Access, 2020, 8, 212709-212737.	2.6	13
27	Review of Polymer Composites with Diverse Nanofillers for Electromagnetic Interference Shielding. Nanomaterials, 2020, 10, 541.	1.9	96
28	Modelling, design, and experimental validation of a grid-connected farmhouse comprising a photovoltaic and a pumped hydro storage system. Energy Conversion and Management, 2020, 210, 112675.	4.4	21
29	Green and Secure Computation Offloading for Cache-Enabled IoT Networks. IEEE Access, 2020, 8, 63840-63855.	2.6	37
30	Thermal-Hydraulic Performance in a Microchannel Heat Sink Equipped with Longitudinal Vortex Generators (LVGs) and Nanofluid. Processes, 2020, 8, 231.	1.3	4
31	A novel photovoltaic-pumped hydro storage microgrid applicable to rural areas. Applied Energy, 2020, 262, 114284.	5.1	42
32	Leak Location Based on PDS-VMD of Leakage-Induced Vibration Signal Under Low SNR in Water-Supply Pipelines. IEEE Access, 2020, 8, 68091-68102.	2.6	27
33	RUIIM – A fire safety engineering model for rural urban interface firefighter taskforce deployment. Fire Safety Journal, 2020, 113, 102986.	1.4	8
34	A Comprehensive Review of Acoustic Methods for Locating Underground Pipelines. Applied Sciences (Switzerland), 2020, 10, 1031.	1.3	19
35	Augmenting the Accuracy of EPTS and Smartwatches Using Multiband RTK GNSS Module and UWB Positioning System. , 2020, , .		1
36	Energy Efficient Backhauling for 5G Small Cell Networks. IEEE Transactions on Sustainable Computing, 2019, 4, 279-292.	2.2	35

#	ARTICLE	IF	CITATIONS
37	A Multiple-Input Cascaded DC-DC Converter for Very Small Wind Turbines. IEEE Transactions on Industrial Electronics, 2019, 66, 4414-4423.	5.2	41
38	Security Aware Content Caching for Next Generation Communication Networks. , 2019, , .		1
39	Optimal allocation of distributed energy storage systems to improve performance and power quality of distribution networks. Applied Energy, 2019, 252, 113468.	5.1	81
40	An improved mathematical model for a pumped hydro storage system considering electrical, mechanical, and hydraulic losses. Applied Energy, 2019, 247, 228-236.	5.1	43
41	Calculation of Critical Water Flow Rates for Wildfire Suppression. Fire, 2019, 2, 3.	1.2	7
42	A Coordinated Dynamic Pricing Model for Electric Vehicle Charging Stations. IEEE Transactions on Transportation Electrification, 2019, 5, 226-238.	5.3	94
43	An Algorithm for the Automatic Detection and Quantification of Athletes' Change of Direction Incidents Using IMU Sensor Data. IEEE Sensors Journal, 2019, 19, 4518-4527.	2.4	17
44	PV Self-Consumption Enhancement with Optimal Residential Thermal Energy Management. , 2019, , .		1
45	A Numerical Study of Axisymmetric Wave Propagation in Buried Fluid-Filled Pipes for Optimizing the Vibro-Acoustic Technique when Locating Gas Pipelines. Energies, 2019, 12, 3707.	1.6	6
46	An Energy-Aware Cognitive Radio-Based Communication Approach for Next Generation Wireless Networks. , 2019, , .		1
47	A Cost-effective Thermal and Electrical Energy Storage Management Strategy for Smart Buildings. , 2019, , .		2
48	Optimal Real-Time Residential Thermal Energy Management for Peak-Load Shifting With Experimental Verification. IEEE Transactions on Smart Grid, 2019, 10, 5587-5599.	6.2	59
49	Optimal scheduling in a microgrid with a tidal generation. Energy, 2019, 171, 435-443.	4.5	30
50	A software defined radio based power saving strategy for next generation mobile systems. , 2018, , .		3
51	Smart Charging Strategy for Electric Vehicle Charging Stations. IEEE Transactions on Transportation Electrification, 2018, 4, 76-88.	5.3	244
52	A Ground Based Sensor Network for Water Stress Measurement. , 2018, , .		0
53	Optimal placement of distributed energy storage systems in distribution networks using artificial bee colony algorithm. Applied Energy, 2018, 232, 212-228.	5.1	149
54	Overview of energy storage systems in distribution networks: Placement, sizing, operation, and power quality. Renewable and Sustainable Energy Reviews, 2018, 91, 1205-1230.	8.2	398

#	ARTICLE	IF	CITATIONS
55	Strong enhancement on dye photocatalytic degradation by ball-milled TiO ₂ : A study of cationic and anionic dyes. <i>Journal of Materials Science and Technology</i> , 2017, 33, 856-863.	5.6	50
56	4G LTE-A systems at vehicular speeds: Performance evaluation. , 2017, , .		1
57	A Green Communication Model for 5G Systems. <i>IEEE Transactions on Green Communications and Networking</i> , 2017, 1, 264-280.	3.5	125
58	Mobile Small Cells: Broadband Access Solution for Public Transport Users. , 2017, 55, 190-197.		7
59	Surface aging behaviour of Fe-based amorphous alloys as catalysts during heterogeneous photo Fenton-like process for water treatment. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 537-547.	10.8	173
60	Rapid Decolorization and Mineralization of Congo Red Using Fe ₇₈ Si ₉ B ₁₃ Amorphous Alloy by Photo Fenton-Like Process. , 2017, , 765-776.		1
61	An energy efficient resource management and planning system for 5G networks. , 2017, , .		21
62	Automated Insect Detection Using Acoustic Features Based on Sound Generated from Insect Activities. <i>Acoustics Australia</i> , 2017, 45, 445-451.	1.4	11
63	Resistivity profiles of Perth soil in Australia in leak-detection test. <i>Geotechnical Research</i> , 2017, 4, 214-221.	0.8	8
64	Resource Management in Multi-Hop Mobile Small Cell Networks. , 2017, , .		1
65	Amorphous Fe ₇₈ Si ₉ B ₁₃ alloy: An efficient and reusable photo-enhanced Fenton-like catalyst in degradation of cibacron brilliant red 3B-A dye under UV-vis light. <i>Applied Catalysis B: Environmental</i> , 2016, 192, 46-56.	10.8	161
66	Gridable vehicles and second life batteries for generation side asset management in the Smart Grid. <i>International Journal of Electrical Power and Energy Systems</i> , 2016, 82, 114-123.	3.3	49
67	Load-Adaptive Resource Management for Green Wireless-Optical Broadband Access Network (WOBAN). <i>Journal of Lightwave Technology</i> , 2016, 34, 2359-2370.	2.7	6
68	Wideband slotted planar inverted-F antenna for millimeter-wave 5G mobile devices. , 2016, , .		10
69	Behaviour of an embedded footing on geotextile-reinforced sand. <i>Proceedings of the Institution of Civil Engineers: Ground Improvement</i> , 2016, 169, 120-133.	0.7	32
70	Load-settlement behaviour of a strip footing resting on iron ore tailings as a structural fill. <i>International Journal of Mining Science and Technology</i> , 2016, 26, 247-253.	4.6	9
71	Utilisation of iron ore mine tailings for the production of geopolymers bricks. <i>International Journal of Mining, Reclamation and Environment</i> , 2016, 30, 92-114.	1.2	85
72	Photocatalytic Degradation of the Azo Dye Acid Red 14 in Nanosized TiO ₂ Suspension under Simulated Solar Light. <i>Clean - Soil, Air, Water</i> , 2015, 43, 1037-1043.	0.7	13

#	ARTICLE	IF	CITATIONS
73	Service Class Resource Management for Green Wireless-Optical Broadband Access Networks (WOBAN). <i>Journal of Lightwave Technology</i> , 2015, 33, 7-18.	2.7	21
74	Effect of Submergence on Settlement and Bearing Capacity of Surface Strip Footing on Geotextile-Reinforced Sand Bed. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2015, 1, 1.	0.9	16
75	Electrical resistivity of iron ore mine tailings produced in Western Australia. <i>International Journal of Mining, Reclamation and Environment</i> , 2015, 29, 191-200.	1.2	17
76	Behavior of embedded strip footing on sand bed reinforced with multilayer geotextile with wraparound ends. <i>International Journal of Geotechnical Engineering</i> , 2015, 9, 437-452.	1.1	21
77	Utilisation of iron ore tailings as aggregates in concrete. <i>Cogent Engineering</i> , 2015, 2, 1083137.	1.1	55
78	Green Wireless-Optical Broadband Access Network: Energy and Quality-of-Service Considerations. <i>Journal of Optical Communications and Networking</i> , 2015, 7, 669.	3.3	12
79	Modelling self-optimised short term load forecasting for medium voltage loads using tuning fuzzy systems and Artificial Neural Networks. <i>Energy Conversion and Management</i> , 2015, 106, 1396-1408.	4.4	31
80	Energy storage model with gridable vehicles for economic load dispatch in the smart grid. <i>International Journal of Electrical Power and Energy Systems</i> , 2015, 64, 1017-1024.	3.3	32
81	Improving Battery Lifetime of Gridable Vehicles and System Reliability in the Smart Grid. <i>IEEE Systems Journal</i> , 2015, 9, 989-999.	2.9	21
82	An Improved Method to Increase the Load-Bearing Capacity of Strip Footing Resting on Geotextile-Reinforced Sand Bed. <i>Indian Geotechnical Journal</i> , 2015, 45, 98-109.	0.7	46
83	Artificial Insect Algorithms for Routing in Wireless Sensor Systems. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2015, , 191-213.	0.4	0
84	Tailoring the physicochemical and mechanical properties of optical copper-cobalt oxide thin films through annealing treatment. <i>Surface and Coatings Technology</i> , 2014, 239, 212-221.	2.2	40
85	Quantifying economic benefits of second life batteries of gridable vehicles in the smart grid. <i>International Journal of Electrical Power and Energy Systems</i> , 2014, 63, 577-587.	3.3	76
86	Studies on electrical resistivity of Perth sand. <i>International Journal of Geotechnical Engineering</i> , 2014, 8, 449-457.	1.1	5
87	Application of a superconducting magnetic energy storage unit for power systems stability improvement. , 2014, , .		5
88	Size dependent elastic modulus and mechanical resilience of dental enamel. <i>Journal of Biomechanics</i> , 2014, 47, 1060-1066.	0.9	6
89	Investigating transmission power control for wireless sensor networks based on 802.15.4 specifications. <i>Telecommunication Systems</i> , 2014, 56, 299-310.	1.6	3
90	Heterogeneous photocatalytic degradation of mordant black 11 with ZnO nanoparticles under UV-Vis light. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1636-1641.	2.7	66

#	ARTICLE	IF	CITATIONS
91	Improving quality of service in WiMAX communication at vehicular speeds: a new call admission control solution. <i>Wireless Communications and Mobile Computing</i> , 2013, 13, 451-459.	0.8	4
92	Architectural design of diamond-like carbon coatings for long-lasting joint replacements. <i>Materials Science and Engineering C</i> , 2013, 33, 2788-2794.	3.8	13
93	Roles of compressive residual stress in enhancing the corrosion resistance of nano nitride composite coatings on steel. <i>Journal of Asian Ceramic Societies</i> , 2013, 1, 86-94.	1.0	32
94	Power flow control in grid-connected microgrid operation using Particle Swarm Optimization under variable load conditions. <i>International Journal of Electrical Power and Energy Systems</i> , 2013, 49, 76-85.	3.3	129
95	Voltage and frequency regulation based DG unit in an autonomous microgrid operation using Particle Swarm Optimization. <i>International Journal of Electrical Power and Energy Systems</i> , 2013, 53, 742-751.	3.3	59
96	Extremely hard, damage-tolerant ceramic coatings with functionally graded, periodically varying architecture. <i>Acta Materialia</i> , 2013, 61, 193-204.	3.8	40
97	The origin of remarkable resilience of human tooth enamel. <i>Applied Physics Letters</i> , 2013, 103, 241901.	1.5	5
98	Performance evaluation of 802.15.4 Medium Access Control during network association and synchronization for sensor networks. , 2012, , .		3
99	An improved architecture for integrating Fourth Generation wireless and Passive Optical Networks. , 2012, , .		4
100	Application framework for wireless sensor networks. , 2012, , .		2
101	Multichannel Cognitive Medium Access Control Protocol for Vehicular Ad-Hoc Networks. , 2012, , .		1
102	Applied application of sensor networks in underground mines. , 2012, , .		4
103	A low cost Atheros System-on-Chip and OpenWrt based testbed for 802.11 WLAN research. , 2012, , .		4
104	Practical issues in building an embedded sensor network application using 802.15.4: Linking hardware & MAC protocol. , 2012, , .		0
105	Bit Error Rate Analysis in WiMAX Communication at Vehicular Speeds Using Nakagami-m Fading Model. , 2012, , .		4
106	Fuzzy logic for smart utilisation of Storage Devices in a typical microgrid. , 2012, , .		11
107	Wireless sensor networks for fire emergency and gas detection. , 2012, , .		9
108	Resource Management in 4G Wireless Communications at Vehicular Speeds: A Game Theory Solution. , 2012, , .		4

#	ARTICLE	IF	CITATIONS
109	Improving throughput in WiMAX communication at vehicular speeds. Journal of High Speed Networks, 2012, 18, 157-171.	0.6	2
110	Power quality enhancement in autonomous microgrid operation using Particle Swarm Optimization. International Journal of Electrical Power and Energy Systems, 2012, 42, 139-149.	3.3	126
111	Mechanical characterization of a novel nanocrystalline coating: First-principles calculations and nanoindentation. Materials Characterization, 2012, 68, 1-6.	1.9	11
112	Application of artificial intelligence to improve quality of service in computer networks. Neural Computing and Applications, 2012, 21, 81-90.	3.2	4
113	Transmission power control in multihop wireless sensor networks. , 2011, , .		16
114	Design of RF/Microwave efficient buildings using frequency selective surface. , 2011, , .		11
115	A Novel Optimized Scheduler to Provide QoS for Video IP Telephony over Wireless Networks. , 2011, , .		6
116	Power quality improvement in autonomous microgrid operation using particle swarm optimization. , 2011, , .		9
117	Dynamic passive pressure from câ€“ soil backfills. Soil Dynamics and Earthquake Engineering, 2011, 31, 845-848.	1.9	20
118	Transmission improvement of UMTS and Wi-Fi signals through energy saving glass using FSS. , 2011, , .		17
119	Efficient optimization of network protection design with p-cycles. Photonic Network Communications, 2010, 19, 22-31.	1.4	2
120	Call Admission Control Scheme for Improved Quality of Service in WiMAX Communication at Vehicular Speeds. , 2010, , .		6
121	High Utility Video Surveillance System on Public Transport Using WiMAX Technology. , 2010, , .		14
122	Call Admission Control Scheme for the IEEE 802.16e at Vehicular Speeds. , 2010, , .		2
123	A new algorithm to improve mobile sensor node connectivity based on link quality indicator. , 2009, , .		4
124	Rerouting in advance for preempted IR calls in QoS-enabled networks. Computer Communications, 2008, 31, 3922-3928.	3.1	4
125	Performance evaluation of IEEE 802.15.4 for mobile sensor networks. , 2008, , .		37
126	Self-restraint Admission Control for adhoc WLANs. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
127	An Intelligent Model to Control Preemption Rate of Instantaneous Request Calls in Networks with Book-Ahead Reservation. , 2008, , .		3
128	A novel mobile WiMAX solution for higher throughput. , 2008, , .		22
129	Improving Mobile Sensor Connectivity Time in the IEEE 802.15.4 Networks. , 2008, , .		5
130	Source Localisation in Wireless Sensor Networks Based on Optimised Maximum Likelihood. , 2008, , .		3
131	An Improved FEC Scheme for Mobile Wireless Communication at Vehicular Speeds. , 2008, , .		6
132	A proactive forward error control scheme for mobile WiMAX communication. , 2008, , .		7
133	A cell loss upper bound for heterogeneous ONâ€œOFF sources with application to connection admission control. Computer Communications, 2002, 25, 1172-1184.	3.1	4
134	Fourier analysis for modelling some cyclic behaviour of networks. Computer Communications, 1996, 19, 426-434.	3.1	5
135	Analysis of an access node multiplexer in a system serving CBR and VBR traffic. Computer Communications, 1993, 16, 776-780.	3.1	2