

Giuseppe Parise

List of Publications by Year in descending order

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150
papers

1,697
citations

394286

19
h-index

434063

31
g-index

150
all docs

150
docs citations

150
times ranked

775
citing authors

#	ARTICLE	IF	CITATIONS
1	Wise Port and Business Energy Management: Port Facilities, Electrical Power Distribution. IEEE Transactions on Industry Applications, 2016, 52, 18-24.	3.3	84
2	Demand Side Management in Microgrids for Load Control in Nearly Zero Energy Buildings. IEEE Transactions on Industry Applications, 2017, 53, 1769-1779.	3.3	75
3	Simplified Arc-Fault Model: The Reduction Factor of the Arc Current. IEEE Transactions on Industry Applications, 2013, 49, 1703-1710.	3.3	50
4	Daylight Impact on Energy Performance of Internal Lighting. IEEE Transactions on Industry Applications, 2013, 49, 242-249.	3.3	45
5	Aggregation of Users in a Residential/Commercial Building Managed by a Building Energy Management System (BEMS). IEEE Transactions on Industry Applications, 2019, 55, 26-34.	3.3	45
6	Comprehensive Peak-Shaving Solutions for Port Cranes. IEEE Transactions on Industry Applications, 2017, 53, 1799-1806.	3.3	40
7	Net-Metering Benefits for Residential Customers: The Economic Advantages of a Proposed User-Centric Model in Italy. IEEE Industry Applications Magazine, 2018, 24, 39-49.	0.3	40
8	A New Summary on the IEC Protection Against Electric Shock. IEEE Transactions on Industry Applications, 2013, 49, 1004-1011.	3.3	37
9	Unprotected Faults of Electrical and Extension Cords in AC and DC Systems. IEEE Transactions on Industry Applications, 2014, 50, 4-9.	3.3	36
10	Ecodesign of Lighting Systems. IEEE Industry Applications Magazine, 2011, 17, 14-19.	0.3	33
11	A Comprehensive Technoeconomic Solution for Demand Control in Ports: Energy Storage Systems Integration. IEEE Transactions on Industry Applications, 2022, 58, 1592-1601.	3.3	32
12	Impact of building automation, controls and building management on energy performance of lighting systems. , 2009, , .		31
13	Measurements of Touch and Step Voltages Adopting Current Auxiliary Electrodes at Reduced Distance. IEEE Transactions on Industry Applications, 2008, 44, 1896-1901.	3.3	29
14	Simplified Conservative Testing Method of Touch and Step Voltages by Multiple Auxiliary Electrodes at Reduced Distance. IEEE Transactions on Industry Applications, 2015, 51, 4987-4993.	3.3	29
15	Combined Electric Light and Daylight Systems Ecodesign. IEEE Transactions on Industry Applications, 2013, 49, 1062-1070.	3.3	28
16	Ecodesign of Ever Net-Load Microgrids. IEEE Transactions on Industry Applications, 2014, 50, 10-16.	3.3	28
17	Relevance of Competence in Risk Reduction for Electrical Safety. IEEE Transactions on Industry Applications, 2008, 44, 1892-1895.	3.3	25
18	Prospected Evolution for Low Voltage Customers: Ecodesign of the Electrical Distribution System. , 2008, , .		25

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19	Architecture Impact on Integrity of Electrical Installations: Cut&Tie Rule, Ring Configuration, Floating Node. IEEE Transactions on Industry Applications, 2009, 45, 1903-1909.	3.3	25
20	A new summary on the iec protection against electric shock. , 2012, , .		24
21	A smart control to operate the lighting system in the road tunnels. , 2013, , .		24
22	Net metering benefits for residential buildings: A case study in Italy. , 2015, , .		23
23	Life Monitoring Tool of Insulated Cables in Photovoltaic Installations. IEEE Transactions on Industry Applications, 2014, 50, 2156-2163.	3.3	21
24	A New Approach to Calculate the Decaying AC Contributions to Short Circuit: The "Characteristic" Currents Method. IEEE Transactions on Industry Applications, 1995, 31, 214-221.	3.3	20
25	Electrical Power Systems Availability in Buildings Exposed to Seismic Hazardâ€”Part I: Electrical Criteria and Part II: Mechanical Criteria. IEEE Transactions on Industry Applications, 2011, 47, 292-300.	3.3	20
26	Designing a power control strategy in a microgrid using PID / fuzzy controller based on battery energy storage. , 2017, , .		20
27	Structured Distribution of Electric Power Systems: The Example of a Roadway Tunnel Architecture. IEEE Transactions on Industry Applications, 2010, 46, 2099-2105.	3.3	19
28	Comprehensive Design of Electrical Installations by Integrating System Configuration and Operational Safety Aspects. Conference Record - IAS Annual Meeting (IEEE Industry Applications) Tj ETQq0 0 0 rgBTj Overlock 1.0 Tf 50 3		18
29	Design and Energetic Analysis of an Advanced Control Upgrading Existing Lighting Systems. IEEE Transactions on Industry Applications, 2014, 50, 1338-1347.	3.3	18
30	The Electrical Systems of Roadway Tunnels: Safety Design and Ecomanagement. IEEE Transactions on Industry Applications, 2015, 51, 1920-1927.	3.3	18
31	Currents Distribution During a Fault in an MV Network: Methods and Measurements. IEEE Transactions on Industry Applications, 2016, 52, 4585-4593.	3.3	18
32	Energy Performance of Interior Lighting Systems. IEEE Transactions on Industry Applications, 2013, 49, 2793-2801.	3.3	17
33	Electrical Distribution for a Reliable Data Center. IEEE Transactions on Industry Applications, 2013, 49, 1697-1702.	3.3	17
34	An Adaptive Criterion to Design the Lighting System in the Road Tunnels. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007, , .	0.0	16
35	Switching Procedures and Business Continuity Management: The Flock Logic of Multiple Source Systems. IEEE Transactions on Industry Applications, 2016, 52, 60-66.	3.3	16
36	Voltage-Drop Calculations and Power Cable Designs for Harbor Electrical Distribution Systems With High Voltage Shore Connection. IEEE Transactions on Industry Applications, 2017, 53, 1807-1814.	3.3	16

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37	Basic Measures Assisting the Avoidance of Arc Flash. IEEE Transactions on Industry Applications, 2018, 54, 1842-1847.	3.3	16
38	Ultracapacitors for Port Crane Applications: Sizing and Techno-Economic Analysis. Energies, 2020, 13, 2091.	1.6	16
39	Transitions Maps for Integrity in Operational Procedures of Electrical Installations. , 2007, , .		15
40	Microsystem criteria in electrical installations ecodesign. , 2010, , .		15
41	TN-Island Grounding System and the House of the Future. , 2006, , .		14
42	Branch circuits ecodesign. , 2011, , .		14
43	Microsystem criteria in branch circuits design. , 2011, , .		14
44	User specifications for operational and switching procedures, a working group report. , 2011, , .		14
45	A Darwinian evolution of electrical power systems design for preventing seismic risks in sensitive buildings. , 2011, , .		13
46	Switching procedures in multiple source systems and the Business Continuity Management: The flock logic of multi-set systems. , 2014, , .		13
47	A Procedure to Estimate the Energy Requirements for Lighting. IEEE Transactions on Industry Applications, 2016, 52, 34-41.	3.3	13
48	Electrical Safety of Street Light Systems. IEEE Transactions on Power Delivery, 2011, 26, 1952-1959.	2.9	12
49	Structural Design Criteria for Energy Savings in Electrical Installations. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007, , .	0.0	11
50	Transitions Theory for Intersections/Nodes and Generalized Euclidean Kinematics in Operation of Electrical Installations. , 2009, , .		11
51	Energy performance of interior lighting systems. , 2012, , .		11
52	Life monitoring tool of insulated cables in photovoltaic installations. , 2012, , .		11
53	Identification of Global Grounding Systems: The Global Zone of Influence. IEEE Transactions on Industry Applications, 2015, 51, 5044-5049.	3.3	11
54	The In-Op Design of Electrical Distribution Systems Based on Microsystem Criteria. IEEE Transactions on Industry Applications, 2018, 54, 32-38.	3.3	11

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55	Four color theorem explained by electrical operational procedures?. , 2008, , .		10
56	Architecture of Electrical Installations: The Node Double Two. , 2008, , .		10
57	Level, Class, and Prospected Safety Performance of a Lightning Protection System for a Complex of Structures (LPCS). IEEE Transactions on Industry Applications, 2010, 46, 2106-2110.	3.3	10
58	Transition Theory in Operation of Electrical Installations. IEEE Transactions on Industry Applications, 2013, 49, 1056-1061.	3.3	10
59	Globality levels of grounding systems. , 2014, , .		10
60	Needs of Management of the Grounding Systems. IEEE Transactions on Industry Applications, 2015, 51, 5017-5022.	3.3	10
61	Service Continuity Safety by Design: The Relevance of Electrical Power-System Architectures in Hospitals. IEEE Industry Applications Magazine, 2016, 22, 68-74.	0.3	10
62	Combined electric light and daylight systems ecodesign. , 2011, , .		9
63	Daylight impact on energy performance of internal lighting. , 2011, , .		9
64	Simplified arc-fault model: The reduction factor of the arc current. , 2012, , .		9
65	Criteria for the Definition of the Equipment Seismic Levels: Comparisons Between USA and European Codes. IEEE Transactions on Industry Applications, 2014, 50, 2135-2141.	3.3	9
66	Single grounding system intrinsically safe and global grounding system safe as set. , 2016, , .		9
67	Measures to Minimize Series Faults in Electrical Cords and Extension Cords. IEEE Transactions on Industry Applications, 2019, 55, 4551-4556.	3.3	9
68	The Interference of Grounding Systems: The Floating Behavior. IEEE Transactions on Industry Applications, 2015, 51, 5038-5043.	3.3	8
69	A Life Loss Tool for an Optimal Management in the Operation of Insulated LV Power Cables. IEEE Transactions on Industry Applications, 2019, 55, 167-173.	3.3	8
70	Grounding Microgrid Systems in Metropolitan and Commercial Areas. IEEE Transactions on Industry Applications, 2020, 56, 1156-1161.	3.3	8
71	A syntax and semantics of a language for operational procedures. , 2011, , .		7
72	Localized fire ignition hazard in branch circuits, cords and connected equipment. , 2011, , .		7

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73	User Specifications for Operational and Switching Procedures, a Working Group Report. IEEE Transactions on Industry Applications, 2012, 48, 225-228.	3.3	7
74	The architecture of electric power systems: Some special cases. , 2014, , .		7
75	Tests and Monitoring of Grounding Systems in HV/MV Substations. IEEE Transactions on Industry Applications, 2017, 53, 929-935.	3.3	7
76	Transactive Energy Solution in a Port's Microgrid based on Blockchain Technology. , 2020, , .		7
77	Elevator Regenerative Energy Applications with Ultracapacitor and Battery Energy Storage Systems in Complex Buildings. Energies, 2021, 14, 3259.	1.6	7
78	A Basic Assessment of Arc Flash in Low Voltage AC. IEEE Transactions on Industry Applications, 2021, 57, 4513-4519.	3.3	7
79	Seismic qualification of electrical equipment in critical facilities. , 2013, , .		6
80	DC task team report. , 2013, , .		6
81	Grounding System Adequacy of HV/MV Substations in Areas With Reduced Accessibility. IEEE Transactions on Industry Applications, 2015, 51, 2038-2044.	3.3	6
82	Intrinsically Safe Grounding Systems and Global Grounding Systems. IEEE Transactions on Industry Applications, 2018, 54, 25-31.	3.3	6
83	Evolution of Human Society and of Things Assisted by IoT. , 2018, , .		6
84	Systems Design Criteria for Refrigerated Container Parks. IEEE Transactions on Industry Applications, 2019, 55, 2320-2326.	3.3	6
85	Topology of Continuous Availability for LED Lighting Systems. IEEE Transactions on Industry Applications, 2019, 55, 5659-5665.	3.3	6
86	Operational Resilience of Hospital Power Systems in the Digital Age. IEEE Transactions on Industry Applications, 2021, 57, 94-100.	3.3	6
87	IoT Innovations and Forensic Engineering in the Digital Age. IEEE Transactions on Industry Applications, 2021, 57, 2098-2103.	3.3	6
88	An Adaptive Criterion to Design the Lighting System in the Road Tunnels. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007, , .	0.0	5
89	Electric Arc Behavior: Phase Angle ϕ-Orbits of I-V Evolution. , 2007, , .		5
90	Grounding System in Marinas: The Microsystem Approach. IEEE Transactions on Industry Applications, 2011, 47, 2204-2209.	3.3	5

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91	A Syntax and Semantics of a Language for Operational Procedures. IEEE Transactions on Industry Applications, 2013, 49, 250-255.	3.3	5
92	AC DC power circuits design by microsystem criteria. , 2013, , .		5
93	Seismic Qualification Categories (EQC) of electrical equipment. , 2013, , .		5
94	Energy performance of buildings: An useful procedure to estimate the impact of the lighting control systems. , 2014, , .		5
95	Safety System With Harmless First Fault: Complete and IT-M System. IEEE Transactions on Industry Applications, 2015, 51, 2762-2768.	3.3	5
96	The Energetic Impact of the Lighting System in the Road Tunnels. IEEE Transactions on Industry Applications, 2015, , 1-1.	3.3	5
97	Demand side management in mixed residential/commercial buildings with PV on site generation. , 2017, , .		5
98	Investigations to Identify Electrical Ignitions of Fires: The Sleuth Engineer Can Draw From an Array of Tools. IEEE Industry Applications Magazine, 2019, 25, 54-59.	0.3	5
99	The Method of "Characteristic" Currents and Countercurrents for Short Circuits Diagnosis. IEEE Transactions on Industry Applications, 2021, 57, 2138-2145.	3.3	5
100	Relevance of Competence in Risk Reduction for Electrical Safety. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007, , .	0.0	4
101	Transitions theory in operation of electrical installations. , 2012, , .		4
102	Criteria for the definition of the Equipment Seismic Levels (ESL): Comparisons between USA and European codes. , 2013, , .		4
103	Simulation and sensitivity analysis of a fuzzy-based building automation control system. , 2014, , .		4
104	Safety criteria for testing ground systems within their influence zone. , 2014, , .		4
105	The TN-island system for cold ironing. , 2015, , .		4
106	Electrical Safety in Street Lighting Systems Against Loss of Service Continuity and Shock Hazards. IEEE Transactions on Industry Applications, 2018, 54, 5711-5716.	3.3	4
107	ELECTRICAL INTEGRITY RESILIENCE OF DATA CENTERS AND CRITICAL LOADS. IEEE Transactions on Industry Applications, 2020, , 1-1.	3.3	4
108	Virtual Society of IoT Robosats and Emancipation of Electrical Utilization. , 2019, , .		4

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109	Architecture impact on integrity of electrical installations: Cut&tie rule, ring configuration, floating node. , 2008, , .		3
110	Safety of domestic dwellings in stressed electrical grids: A case of backfeed hazard. , 2020, , .		3
111	Ethics and Eco-Design for Complex Uses of Energy: What We Need for a Sustainable Future. IEEE Industry Applications Magazine, 2022, 28, 74-79.	0.3	3
112	Dead work is vulnerable to unexpected power sources. , 2010, , .		2
113	A novel approach to the electrical safety of low-voltage installations: the TN-Island grounding system. European Transactions on Electrical Power, 2012, 22, 616-626.	1.0	2
114	Safety procedures for electrical work in installations susceptible to unexpected sources of energy. , 2015, , .		2
115	Interferences between grounding systems in urban and industrial areas. , 2015, , .		2
116	Electrical fire ignitions: The evolution assists identifying the origin in the distribution level. , 2018, , .		2
117	Series Faults in Electrical Cords and Extension Cords. , 2019, , .		2
118	A Technical First Level for Accident Trials: How to Make Expert Testimony Truly Count in Court. IEEE Industry Applications Magazine, 2019, 25, 65-71.	0.3	2
119	Topology of Integrity Resilience for Service Continuity of Critical Loads. , 2019, , .		2
120	A Simplified Method for Arc Flash Assessment in Low Voltage A.C.. , 2021, , .		2
121	Integrated System of Energy Storage Technologies for Demand Control and Energy Saving in Ports. , 2021, , .		2
122	Genetic code of electrical operational procedures: Lock-out systems, simulators and training. , 2009, , .		1
123	Electrical distribution for a reliable data center. , 2012, , .		1
124	Unprotected faults of electrical cords and extension cords in AC and DC systems. , 2013, , .		1
125	Collision theory in electric shock risk assessment. , 2014, , .		1
126	Conservative measurements of touch and step voltages by auxiliary electrodes at reduced distance. , 2014, , .		1

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127	Towards a globalization of safety standards for electrical work. , 2015, , .		1
128	The energetic impact of the lighting system in the road tunnels. , 2015, , .		1
129	Arc flash: Prevention measures in IEC/EN protection approach. , 2016, , .		1
130	Grounding Microgrid Systems in Metropolitan and Commercial Areas. , 2019, , .		1
131	Safety Upgrades in Domestic Dwellings. Pluggable Off-Line UPSs of Low Quality and Backfeed Hazards. IEEE Transactions on Industry Applications, 2021, 57, 4456-4461.	3.3	1
132	Adequacy of Hospital Power Systems as Strategic Operational Structures. , 2020, , .		1
133	Electrical Installations in Road Tunnel Design Criteria Tested by Fire Simulations: A Confirmation of the Zoning Approach. IEEE Industry Applications Magazine, 2022, 28, 34-41.	0.3	1
134	Incident Energy of Arc Flash and Body Surface Area. , 2021, , .		1
135	ECO-Design and Energy Ethics of Microgrids. , 2021, , .		1
136	Flash Intensity of Arc, Isoflashes Distribution, and Body Surface Area. IEEE Transactions on Industry Applications, 2022, 58, 1730-1736.	3.3	1
137	Modular Distribution System for EV Parks. , 2021, , .		1
138	Protected Volume of Lightning Air-Termination Systems. , 2022, , .		1
139	Structural Design Criteria for Energy Savings in Electrical Installations. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007, , .	0.0	0
140	Level, Class and Prospected Safety Performance of a Lightning Protection System for a Complex of Structures (LPCS). , 2007, , .		0
141	Electrical power systems availability in buildings exposed to seismic hazard. , 2010, , .		0
142	Grounding system in marinas: The micro-system approach. , 2011, , .		0
143	“Dead” circuits are not always dead. , 2011, , .		0
144	uFFFFDDeaduFFFFD Circuits Are Not Always Dead: The Need for Additional Protective Measures. IEEE Industry Applications Magazine, 2013, 19, 47-50.	0.3	0

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145	An electrical distribution for Marinas. , 2014, , .		0
146	The relevance of the architecture of electrical power systems in hospitals: The service continuity safety by design. , 2015, , .		0
147	Switching Criteria for Safety and Integrity Procedures: A Summary. IEEE Industry Applications Magazine, 2021, , 2-12.	0.3	0
148	"Characteristic" Currents and Countercurrents. For short-Circuits Diagnosis. , 2020, , .		0
149	Forensic Implications in the Continuous Discontinuity of IoT Innovations. , 2020, , .		0
150	Short-Circuit Calculations in LV Cold Ironing Systems: Characteristic Currents Method CCM and IEC Method. IEEE Transactions on Industry Applications, 2022, 58, 4394-4400.	3.3	0