

# Sadegh Jamali

## List of Publications by Year in descending order

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137  
papers

1,702  
citations

430874

18  
h-index

345221

36  
g-index

137  
all docs

137  
docs citations

137  
times ranked

1215  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection and classification of power quality disturbances using discrete wavelet transform and wavelet networks. IET Science, Measurement and Technology, 2010, 4, 193-205.	1.6	200
2	Accurate fault location technique for power transmission lines. IEE Proceedings C: Generation Transmission and Distribution, 1990, 137, 395.	0.3	164
3	A comparison framework for distribution system outage and fault location methods. Electric Power Systems Research, 2017, 145, 19-34.	3.6	100
4	A new fault location method for distribution networks using sparse measurements. International Journal of Electrical Power and Energy Systems, 2016, 81, 459-468.	5.5	73
5	New approach to adaptive single pole auto-reclosing of power transmission lines. IET Generation, Transmission and Distribution, 2010, 4, 115.	2.5	67
6	Identification of optimal features for fast and accurate classification of power quality disturbances. Measurement: Journal of the International Measurement Confederation, 2018, 116, 565-574.	5.0	59
7	Effects of earthing systems on stray current for corrosion and safety behaviour in practical metro systems. IET Electrical Systems in Transportation, 2011, 1, 69-79.	2.4	50
8	Fault location method for distribution networks using smart meters. Measurement: Journal of the International Measurement Confederation, 2017, 102, 150-157.	5.0	50
9	Protection of transmission lines in multi-terminal HVDC grids using travelling waves morphological gradient. International Journal of Electrical Power and Energy Systems, 2019, 108, 125-134.	5.5	50
10	Protection Method for Radial Distribution Systems With DG Using Local Voltage Measurements. IEEE Transactions on Power Delivery, 2019, 34, 651-660.	4.3	44
11	Recloser timeâ€“currentâ€“voltage characteristic for fuse saving in distribution networks with DG. IET Generation, Transmission and Distribution, 2017, 11, 272-279.	2.5	43
12	Fault location in active distribution networks using non-synchronized measurements. International Journal of Electrical Power and Energy Systems, 2017, 93, 451-458.	5.5	39
13	Non-communication protection method for meshed and radial distribution networks with synchronous-based DG. International Journal of Electrical Power and Energy Systems, 2017, 93, 468-478.	5.5	39
14	Flexible Fractional Compensating Mode for Railway Static Power Conditioner in a V/v Traction Power Supply System. IEEE Transactions on Industrial Electronics, 2018, 65, 7963-7974.	7.9	36
15	Detection of secondary arc extinction for adaptive single phase autoâ€“reclosing based on local voltage behaviour. IET Generation, Transmission and Distribution, 2017, 11, 952-958.	2.5	34
16	Emerging smart meters in electrical distribution systems: Opportunities and challenges. , 2016, , .		30
17	Power differential based wide area protection. Electric Power Systems Research, 2007, 77, 1541-1551.	3.6	27
18	Dynamic fault location method for distribution networks with distributed generation. Electrical Engineering, 2010, 92, 119-127.	2.0	21

#	ARTICLE	IF	CITATIONS
19	Hybrid classifier for fault location in active distribution networks. Protection and Control of Modern Power Systems, 2020, 5, .	7.5	21
20	An improved fault location method for distribution networks exploiting emerging LV smart meters. , 2016, , .		20
21	Effects of different earthing schemes on the stray current in rail transit systems. , 2008, , .		19
22	Robustness of Distance Relay with Quadrilateral Characteristic against Fault Resistance. , 0, , .		17
23	A new method for arcing fault location using discrete wavelet transform and wavelet networks. European Transactions on Electrical Power, 2012, 22, 601-615.	1.0	16
24	Voltage-based protection of microgrids using decision tree algorithms. International Transactions on Electrical Energy Systems, 2020, 30, e12274.	1.9	16
25	Self-Adaptive Relaying Scheme of Reclosers for Fuse Saving in Distribution Networks with DG. International Journal of Power and Energy Research, 2017, 1, .	0.4	16
26	Locus of apparent impedance of distance protection in the presence of SSSC. European Transactions on Electrical Power, 2011, 21, 398-412.	1.0	15
27	Adaptive single pole auto-reclosing using discrete wavelet transform. European Transactions on Electrical Power, 2011, 21, 973-986.	1.0	14
28	Dynamic modeling, control design and stability analysis of railway active power quality conditioner. Electric Power Systems Research, 2018, 160, 71-88.	3.6	13
29	Identification of faulted line section in microgrids using data mining method based on feature discretisation. International Transactions on Electrical Energy Systems, 2020, 30, e12353.	1.9	13
30	Single-end protection algorithm for HVDC transmission lines based on the current difference. IET Generation, Transmission and Distribution, 2020, 14, 4339-4351.	2.5	13
31	Optimal Siting of Recloser and Sectionalizers to Reduce Non-Distributed Energy. , 0, , .		12
32	Security assessment for a cumulative sum-based fault detector in transmission lines. , 2011, , .		12
33	Non-unit protection method for long transmission lines in MTDC grids. IET Generation, Transmission and Distribution, 2021, 15, 1674-1687.	2.5	12
34	Adaptive Single-pole Auto-reclosure for Transmission Lines Using Sound Phases Currents and Wavelet Packet Transform. Electric Power Components and Systems, 2010, 38, 1558-1576.	1.8	11
35	An IoT realization in an interdepartmental real time simulation lab for distribution system control and management studies. , 2016, , .		11
36	Modeling a voltage source converter assisted resonant current DC breaker for real time studies. International Journal of Electrical Power and Energy Systems, 2020, 117, 105678.	5.5	11

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37	Effects of STATCOM on Distance Relay Tripping Characteristic. , 0, , .		10
38	Effects of SSSC on Distance Relay Tripping Characteristic. , 2006, , .		10
39	A fast and accurate fault location method for distribution networks with dg using genetic algorithms. , 2015, , .		10
40	Protection Testing for Multiterminal High-Voltage dc Grid: Procedures and Procedures and Assessment. IEEE Industrial Electronics Magazine, 2020, 14, 46-64.	2.6	10
41	A wavelet packet based method for adaptive single-pole auto-reclosing. Journal of Zhejiang University: Science C, 2010, 11, 1016-1024.	0.7	9
42	Resonance assessment in electrified railway systems using comprehensive model of train and overhead catenary system. , 2015, , .		9
43	Fast fault location for fast restoration of smart electrical distribution grids. , 2016, , .		9
44	Comparing effects of SVC and STATCOM on distance relay tripping characteristic. , 2008, , .		8
45	Impedance based fault location method for single phase to earth faults in transmission systems. , 2010, , .		8
46	A Contribution to the Development of High-Voltage dc Circuit Breaker Technologies: A Review of New Considerations. IEEE Industrial Electronics Magazine, 2022, 16, 42-59.	2.6	8
47	Optimal Location of TCSCs in a Power System by Means of Genetic Algorithms Considering Loss Reduction. , 2006, , .		7
48	Comparing impacts of SSSC and statcom on measured impedance at relaying point. , 2009, , .		7
49	Modified distance protection in presence of UPFC on a transmission line. , 2010, , .		7
50	Comprehensive protection of medium-voltage microgrids. , 2014, , .		7
51	Adaptive distance protection in presence of SSSC on a transmission line. , 2010, , .		6
52	Hybrid SVC-HPQC Scheme with Partial Compensation Technique in Co-phase Electric Railway System. , 2019, , .		6
53	Removal of System and CT Decaying DC Component in Fault Signal Using Selective Interval Integration. IEEE Transactions on Power Delivery, 2022, 37, 905-912.	4.3	6
54	Using CâC-type filter with partial compensation method for capacity reduction of hybrid power quality conditioner in coâC-phase traction power system. IET Power Electronics, 2021, 14, 2350-2373.	2.1	6

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55	Power differential protection as primary protection of transmission lines and busbars. , 2008, , .		6
56	Load Flow Method for Distribution Network Design by Considering Committed Loads. , 2006, , .		5
57	Distance Relay Over-Reaching due to Installation of TCSC on Next Line. , 2006, , .		5
58	Distance relay over-reaching due to UPFC presence on second circuit of a double circuit line. , 2008, , .		5
59	A Z-source railway static power conditioner for power quality improvement. , 2016, , .		5
60	Phase selective protection in microgrids using combined data mining and modal decomposition method. International Journal of Electrical Power and Energy Systems, 2021, 128, 106727.	5.5	5
61	Non-unit protection scheme for HVDC transmission lines based on energy of voltage difference. IET Generation, Transmission and Distribution, 2022, 16, 2166-2187.	2.5	5
62	Distance Relay Tripping Characteristic in Presence of UPFC. , 2006, , .		4
63	Measured impedance for inter phase faults in presence of TCSC considering MOV operation. , 2008, , .		4
64	Distance Relay Mal-Operation due to Presence of SSSC on Adjacent Lines in Inter Phase Faults. , 2008, , .		4
65	Voltage inversion due to presence of SSSC on adjacent lines and distance relay mal-operation. , 2008, , .		4
66	Measured impedance by distance relay with positive sequence voltage memory in presence of TCSC. , 2009, , .		4
67	Modified distance protection in presence of SSSC on a transmission line. , 2009, , .		4
68	Measured impedance by distance relay for inter phase faults in presence of SSSC. , 2009, , .		4
69	Comparing series and shunt reactive power compensation via UPFC from distance relay point of view. , 2010, , .		4
70	Measured impedance by distance relay for inter phase faults in presence of resistive Fault Current Limiter. , 2010, , .		4
71	Impedance based fault location method for phase to phase and three phase faults in transmission systems. , 2012, , .		4
72	Effects of SSSC on Distance Relay Tripping Characteristic. , 2006, , .		3

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73	A new control scheme for shunt hybrid power filter. , 2007, , .		3
74	Measured impedance by distance relay in presence of UPFC on next line. , 2008, , .		3
75	Effects of SMES equipped SSSC on distance relay tripping characteristic. , 2008, , .		3
76	Effects of SMES Equipped UPFC on Distance Relay Tripping Characteristic. , 2008, , .		3
77	Effects of DSTATCOM on measured impedance at source node of distribution feeder. , 2008, , .		3
78	Measured impedance by distance relay for inter phase faults in presence of STATCOM. , 2008, , .		3
79	Measured impedance by distance relay for inter phase faults in presence of TCSC on next line. , 2008, , .		3
80	Effects of UPFC on measured impedance by distance relay in double-circuit lines. , 2009, , .		3
81	Adaptive distance protection in presence of STATCOM on a transmission line. , 2010, , .		3
82	Measured impedance by distance relay for inter phase faults in presence of SVC. , 2010, , .		3
83	Hybrid railway power quality conditioner based on half-bridge converter and asymmetric balanced traction transformer with deadbeat current control. IET Power Electronics, 2019, 12, 3447-3459.	2.1	3
84	Optimal auto-reclosing time for shunt compensated transmission lines using synchrosqueezing wavelet transform. International Journal of Electrical Power and Energy Systems, 2021, 128, 106744.	5.5	3
85	Measured Impedance by Distance Relay in Presence of SVC on Transmission Line. Industrial Electronics Society (IECON ), Annual Conference of IEEE, 2006, , .	0.0	2
86	Effects of instrument transformers location on measured impedance by distance relay in presence of UPFC. , 2006, , .		2
87	Study of distributed generation type and islanding impact on the operation of radial distribution systems. , 2007, , .		2
88	Measured impedance by distance relay elements in a single phase to ground fault. , 2008, , .		2
89	Effects of SMES equipped UPFC on measured impedance at relaying point in inter phase faults. , 2008, , .		2
90	Measured impedance by distance relay in presence of inductive fault current limiter. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
91	Measured impedance by distance relay for inter phase faults in presence of SSSC on a double circuit transmission line. , 2008, , .		2
92	Effects of voltage transformers connection point on measured impedance at relaying point for inter phase faults in presence of TCSC. , 2008, , .		2
93	Effects of SMES equipped STATCOM on distance relay ideal tripping characteristic. , 2008, , .		2
94	Comparing TCSC placements on mid-point and ends of second circuit of double circuit line from measured impedance point of view. , 2008, , .		2
95	Effect of STATCOM on measured impedance by distance relay in double-circuit lines. , 2008, , .		2
96	Distance relay mal-operation due to TCSC presence at near end of second circuit of double circuit line in inter phase faults. , 2009, , .		2
97	Modified distance protection due to presence of STATCOM on a transmission line. , 2009, , .		2
98	Robustness of communication aided distance relay with Quadrilateral characteristic against inter phase fault resistance. , 2010, , .		2
99	Adaptive distance protection in presence of UPFC on a transmission line. , 2010, , .		2
100	Measured impedance by distance relay for inter phase faults in the presence of svc on double-circuit lines. , 2012, , .		2
101	Half-Bridge Power Quality Conditioner for Railway Traction Distribution System Based on a New Balancing Transformer. , 2018, , .		2
102	Single-End Protection Scheme for LCC- HVDC Transmission Lines Based on High Frequency Components of Transmission Line Current. , 2019, , .		2
103	A Novel and Practical Mathematical Equation for Design and Analysis of Lightning Protection System (LPS) Based on Rolling Sphere Method. , 2022, , .		2
104	Voltage Inversion Due to Presence of TCSC on Adjacent Lines and Distance Relay Mal-Operation. , 2006, , .		1
105	Short circuit analysis in unbalanced distribution networks. , 2007, , .		1
106	Measured impedance by distance relay in second protective zone. , 2007, , .		1
107	Comparing TCSC Placements on Line Ends and Mid-Point from Measured Impedance Point of View. , 2007, , .		1
108	Distance Relay Over-Reaching due to TCSC Presence on Second Circuit of Double Circuit Line. , 2007, , .		1

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109	Impact of STATCOM modeling on its effect on distance relay tripping characteristic. , 2008, , .		1
110	Distance relay over-reaching due to TCSC presence on second circuit of double circuit line considering MOV operation. , 2008, , .		1
111	Voltage inversion due to UPFC presence on second circuit of double circuit transmission line causing distance relay mal-operation. , 2008, , .		1
112	Comparing TCSC placements on double circuit line mid-point and ends from measured impedance point of view. , 2008, , .		1
113	Measured impedance by distance relay for inter phase faults in presence of TCPST. , 2008, , .		1
114	Effect of instrument transformers connection point on distance relay operation in presence of SSSC. , 2008, , .		1
115	Voltage inversion due to presence of TCSC on adjacent lines in inter phase faults and distance relay mal-operation. , 2008, , .		1
116	Voltage Inversion due to TCSC Presence on Second Circuit of Double Circuit Line and Distance Relay Mal-Operation Considering MOV Operation. , 2008, , .		1
117	Distance relay ideal tripping characteristic for inter phase faults in presence of SSSC on next line. , 2008, , .		1
118	Performance measurement framework for location decisions on supply chain design. , 2009, , .		1
119	Distance relay ideal tripping characteristic for inter phase faults in presence of UPFC on next line. , 2009, , .		1
120	Improved Railway Static Power Conditioner Using C-type Filter in Scott Co-phase Traction Power Supply System. , 2019, , .		1
121	A Differential Protection Scheme based on Pi-Model for Bipolar HVDC Transmission Lines. , 2020, , .		1
122	Effects of Instrument Transformers Connection point on Measured Impedance by Distance Relay in Presence of SSSC. , 2006, , .		0
123	Optimal Location of TCSCs in a Power System by Means of Genetic Algorithms Considering Loss Reduction. , 2006, , .		0
124	Measured Impedance by Distance Relay Considering Double Model of the Line Capacitance. , 2006, , .		0
125	Voltage inversion due to SSSC presence on second circuit of double circuit line causing distance relay mal-operation. , 2007, , .		0
126	Designing MV distribution networks considering voltage, current, and losses constraints. , 2007, , .		0



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127	Effect of SSSC on measured impedance of distance relay in double-circuit lines. , 2007, , .		0
128	Over-reaching factor for distance relay with Mho characteristic. , 2007, , .		0
129	Mho Characteristic Shifting and Distance Relay Robustness against Fault Resistance. , 2007, , .		0
130	Distance Relay Tripping Characteristic in Presence of SSSC on Next Line. , 2007, , .		0
131	A fast approach for evaluating reliability indices of radial distribution systems. , 2007, , .		0
132	Measured impedance for inter phase faults on next line and second circuit of a double circuit line. , 2008, , .		0
133	Measured impedance at source node of a distribution feeder with Dispersed Generation unit. , 2008, , .		0
134	Effect of electrode material on the breakdown voltage of SF <sub>6</sub> -N <sub>2</sub> and SF <sub>6</sub> -CO <sub>2</sub> mixtures in a weakly non-uniform electric field. , 2008, , .		0
135	Robustness of distance relay applied for distribution feeders with Mho characteristic against fault resistance. , 2008, , .		0
136	Anatomy of a secured wide area backup protection. , 2008, , .		0
137	Improving Shunt Hybrid Filter Performance Through Reducing Control System Time Delay. Australian Journal of Electrical and Electronics Engineering, 2010, 7, 101-111.	1.2	0