

Majid Sanaye-Pasand

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86

papers

1,842

citations

26

h-index

39

g-index

90

ext. papers

2,355

ext. citations

4.3

avg, IF

5.56

L-index

#	Paper	IF	Citations
86	A Traveling-Wave-Based Protection Technique Using Wavelet/PCA Analysis. <i>IEEE Transactions on Power Delivery</i> , 2010 , 25, 588-599	4.3	154
85	A Traveling-Wave-Based Methodology for Wide-Area Fault Location in Multiterminal DC Systems. <i>IEEE Transactions on Power Delivery</i> , 2014 , 29, 2552-2560	4.3	141
84	Enhancement of Power System Stability Using Adaptive Combinational Load Shedding Methods. <i>IEEE Transactions on Power Systems</i> , 2011 , 26, 1010-1020	7	91
83	Synchrophasor-Based Wide-Area Backup Protection Scheme with Data Requirement Analysis. <i>IEEE Transactions on Power Delivery</i> , 2015 , 30, 1410-1419	4.3	65
82	Unsynchronised fault-location technique for three-terminal lines. <i>IET Generation, Transmission and Distribution</i> , 2015 , 9, 2099-2107	2.5	52
81	Analysis of Ferroresonance Modes in Power Transformers Using Preisach-Type Hysteretic Magnetizing Inductance. <i>IEEE Transactions on Power Delivery</i> , 2007 , 22, 919-929	4.3	51
80	A Straightforward Method for Wide-Area Fault Location on Transmission Networks. <i>IEEE Transactions on Power Delivery</i> , 2015 , 30, 264-272	4.3	46
79	An Accurate Hysteresis Model for Ferroresonance Analysis of a Transformer. <i>IEEE Transactions on Power Delivery</i> , 2008 , 23, 1448-1456	4.3	45
78	Mitigating the Impacts of CCVT Subsidence Transients on the Distance Relay. <i>IEEE Transactions on Power Delivery</i> , 2012 , 27, 497-505	4.3	42
77	High-Frequency Transients-Based Protection of Multiterminal Transmission Lines Using the SVM Technique. <i>IEEE Transactions on Power Delivery</i> , 2013 , 28, 188-196	4.3	41
76	A Novel Approach to Detect the Synchronous Generator Loss of Excitation. <i>IEEE Transactions on Power Delivery</i> , 2015 , 30, 1429-1438	4.3	39
75	Fast and Reliable CT Saturation Detection Using a Combined Method. <i>IEEE Transactions on Power Delivery</i> , 2009 , 24, 1037-1044	4.3	38
74	Fault location on multi-terminal DC systems using synchronized current measurements. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 63, 779-786	5.1	36
73	Fault Detection During Power Swings Using the Properties of Fundamental Frequency Phasors. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 1385-1394	10.7	36
72	Adaptive load shedding scheme to preserve the power system stability following large disturbances. <i>IET Generation, Transmission and Distribution</i> , 2014 , 8, 2124-2133	2.5	35
71	Power Transformer Protection Using a Multiregion Adaptive Differential Relay. <i>IEEE Transactions on Power Delivery</i> , 2014 , 29, 777-785	4.3	34
70	Accurate Measurement of Fault Currents Contaminated With Decaying DC Offset and CT Saturation. <i>IEEE Transactions on Power Delivery</i> , 2012 , 27, 773-783	4.3	34

69	An Adaptive Wide-Area Load Shedding Scheme Incorporating Power System Real-Time Limitations. <i>IEEE Systems Journal</i> , 2018 , 12, 759-767	4-3	31
68	Locating Faults on Untransposed, Meshed Transmission Networks Using a Limited Number of Synchrophasor Measurements. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 4462-4472	7	31
67	A New Algorithm to Identify Magnetizing Inrush Conditions Based on Instantaneous Frequency of Differential Power Signal. <i>IEEE Transactions on Power Delivery</i> , 2010 , 25, 2223-2233	4-3	31
66	An Accurate Current Transformer Model Based on Preisach Theory for the Analysis of Electromagnetic Transients. <i>IEEE Transactions on Power Delivery</i> , 2008 , 23, 233-242	4-3	31
65	Discriminating transformer large inrush currents from fault currents. <i>International Journal of Electrical Power and Energy Systems</i> , 2016 , 75, 74-82	5-1	29
64	Investigation of Neutral Reactor Performance in Reducing Secondary Arc Current. <i>IEEE Transactions on Power Delivery</i> , 2008 , 23, 2472-2479	4-3	29
63	A Loss-of-Field Detection Relay Based on Rotor Signals Estimation. <i>IEEE Transactions on Power Delivery</i> , 2018 , 33, 779-788	4-3	28
62	CT Saturation Detection Based on Waveform Analysis Using a Variable-Length Window. <i>IEEE Transactions on Power Delivery</i> , 2011 , 26, 2040-2050	4-3	28
61	Novel Approach for Secure Islanding Detection in Synchronous Generator Based Microgrids. <i>IEEE Transactions on Power Delivery</i> , 2019 , 34, 457-466	4-3	28
60	Transmission system wide-area back-up protection using current phasor measurements. <i>International Journal of Electrical Power and Energy Systems</i> , 2017 , 92, 93-103	5-1	26
59	A Novel Protective Scheme to Protect Small-Scale Synchronous Generators Against Transient Instability. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 1659-1667	8-9	26
58	. <i>IEEE Transactions on Smart Grid</i> , 2015 , 1-12	10-7	26
57	An Adaptive Decision Logic to Enhance Distance Protection of Transmission Lines. <i>IEEE Transactions on Power Delivery</i> , 2011 , 26, 2134-2144	4-3	26
56	Adaptive Protection of Parallel Transmission Lines Using Combined Cross-Differential and Impedance-Based Techniques. <i>IEEE Transactions on Power Delivery</i> , 2011 , 26, 1829-1840	4-3	26
55	Communication-Constrained Regionalization of Power Systems for Synchrophasor-Based Wide-Area Backup Protection Scheme. <i>IEEE Transactions on Smart Grid</i> , 2015 , 6, 1530-1538	10-7	25
54	An Analytical Approach to Detect Generator Loss of Excitation Based on Internal Voltage Calculation. <i>IEEE Transactions on Power Delivery</i> , 2017 , 32, 2329-2338	4-3	23
53	Performance Enhancement of the Transformer Restricted Earth Fault Relay. <i>IEEE Transactions on Power Delivery</i> , 2013 , 28, 467-474	4-3	22
52	Distance Protection During Asymmetrical Power Swings: Challenges and Solutions. <i>IEEE Transactions on Power Delivery</i> , 2018 , 33, 2736-2745	4-3	21

51	Compensation of CVT Increased Error and Its Impacts on Distance Relays. <i>IEEE Transactions on Power Delivery</i> , 2012 , 27, 1670-1677	4.3	21
50	Flux linkage estimation based loss of excitation relay for synchronous generator. <i>IET Generation, Transmission and Distribution</i> , 2017 , 11, 280-288	2.5	20
49	A Saturation Suppression Approach for the Current Transformer Part I: Fundamental Concepts and Design. <i>IEEE Transactions on Power Delivery</i> , 2013 , 28, 1928-1935	4.3	20
48	Generator Out-of-Step Prediction Based on Faster-Than-Real-Time Analysis: Concepts and Applications. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 4563-4573	7	19
47	CT Saturation Detection Based on Waveshape Properties of Current Difference Functions. <i>IEEE Transactions on Power Delivery</i> , 2013 , 28, 2254-2263	4.3	18
46	Waveshape recognition technique to detect current transformer saturation. <i>IET Generation, Transmission and Distribution</i> , 2015 , 9, 1430-1438	2.5	16
45	A Saturation Suppression Approach for the Current Transformer Part II: Performance Evaluation. <i>IEEE Transactions on Power Delivery</i> , 2013 , 28, 1936-1943	4.3	13
44	CCVT Failure due to Improper Design of Auxiliary Voltage Transformers. <i>IEEE Transactions on Power Delivery</i> , 2012 , 27, 391-400	4.3	13
43	Transmission line fault location based on three-phase state estimation framework considering measurement chain error model. <i>Electric Power Systems Research</i> , 2020 , 178, 106048	3.5	13
42	Adaptive phasor estimation algorithm to enhance numerical distance protection. <i>IET Generation, Transmission and Distribution</i> , 2017 , 11, 1170-1178	2.5	11
41	A New Predictive Approach to Wide-Area Out-of-Step Protection. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 1890-1898	11.9	11
40	Power transformer protection scheme based on time-frequency analysis. <i>International Transactions on Electrical Energy Systems</i> , 2013 , 23, 473-493	2.2	10
39	Scrutiny of the Iranian National Grid. <i>IEEE Power and Energy Magazine</i> , 2007 , 5, 31-39	2.4	10
38	Fast Islanding Detection of Nested Grids Including Multiple Resources Based on Phase Criteria. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	10
37	Appropriate Grounding System for Grid-Connected Small-Scale Synchronous Generators. <i>IEEE Transactions on Industry Applications</i> , 2015 , 51, 5390-5397	4.3	9
36	From Available Synchrophasor Data to Short-Circuit Fault Identity: Formulation and Feasibility Analysis. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 2062-2071	7	9
35	Discrimination of arcing faults on overhead transmission lines for single-pole auto-reclosure. <i>International Transactions on Electrical Energy Systems</i> , 2013 , 23, 1523-1535	2.2	9
34	An Accelerated Single-Pole Trip Scheme for Zone-2 Faults of Distance Relays. <i>IEEE Transactions on Power Delivery</i> , 2017 , 32, 678-687	4.3	8

33	A New Fuzzy-logic-based Extended Blocking Scheme for Differential Protection of Power Transformers. <i>Electric Power Components and Systems</i> , 2010 , 38, 675-694	1	8
32	A Modified Formula for Distance Relaying of Tapped Transmission Lines With Grounded Neutrals. <i>IEEE Transactions on Power Delivery</i> , 2019 , 34, 690-699	4-3	8
31	Current-Based Out-of-Step Detection Method to Enhance Line Differential Protection. <i>IEEE Transactions on Power Delivery</i> , 2019 , 34, 448-456	4-3	8
30	Adaptive Single-Phase Auto-Reclosing Approach for Shunt Compensated Transmission Lines. <i>IEEE Transactions on Power Delivery</i> , 2021 , 36, 1360-1369	4-3	8
29	An accurate fuzzy logic-based fault classification algorithm using voltage and current phase sequence components. <i>International Transactions on Electrical Energy Systems</i> , 2015 , 25, 2275-2288	2-2	7
28	A novel technique for internal fault detection of power transformers based on moving windows. <i>International Transactions on Electrical Energy Systems</i> , 2014 , 24, 1263-1278	2-2	7
27	Advances in Transmission Network Fault Location in Modern Power Systems: Review, Outlook and Future Works. <i>IEEE Access</i> , 2021 , 9, 158599-158615	3-5	7
26	Preventing maloperation of distance protection due to CCVT transients. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 2828-2835	2-5	6
25	Improvement of distance relay zone-3 security using fault and breaker opening generated traveling waves. <i>International Transactions on Electrical Energy Systems</i> , 2017 , 27, e2414	2-2	6
24	A Novel DC Transmission System Fault Location Technique for Offshore Renewable Energy Harvesting. <i>IEEE Transactions on Power Delivery</i> , 2020 , 35, 2885-2895	4-3	6
23	An Accurate Non-Pilot Scheme for Accelerated Trip of Distance Relay Zone-2 Faults. <i>IEEE Transactions on Power Delivery</i> , 2021 , 36, 1370-1379	4-3	6
22	A Robust Multi-Layer Framework for Online Condition Assessment of Power Transformers. <i>IEEE Transactions on Power Delivery</i> , 2021 , 1-1	4-3	6
21	Preventing Transformer Energizing Resonant Overvoltages Using Surge Arrester Temperature Rise Index and Controlled Closing Method. <i>IEEE Transactions on Power Delivery</i> , 2013 , 28, 998-1006	4-3	5
20	An Analytical Fast Decaying DC Mitigation Method for Digital Relaying Applications. <i>IEEE Transactions on Power Delivery</i> , 2020 , 1-1	4-3	5
19	Under-impedance load shedding: a new preventive action against voltage instability. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 201-208	2-5	5
18	A Straightforward and Robust Algorithm for Accurate Estimation of Power System Frequency. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 12830-12839	8-9	5
17	Development of two indices based on discrete wavelet transform for transformer differential protection. <i>European Transactions on Electrical Power</i> , 2012 , 22, 1078-1092		4
16	Application of universal neutral reactor in shunt compensated transmission lines: feasibility study. <i>IET Generation, Transmission and Distribution</i> , 2018 , 12, 2181-2189	2-5	4

15	Improved Gapped-Core CT Dimensioning Algorithm Considering Relay and System Requirements. <i>IEEE Transactions on Power Delivery</i> , 2013 , 28, 788-796	4-3	3
14	Impacts of Loop Restoration Strategy on distribution system reliability 2009 ,		3
13	Accelerated Zone II Operation of Distance Relay Using Impedance Change Directions. <i>IEEE Transactions on Power Delivery</i> , 2016 , 1-1	4-3	3
12	Fast Low Frequency Fault Location and Section Identification Scheme for VSC-Based Multi-Terminal HVDC Systems. <i>IEEE Transactions on Power Delivery</i> , 2021 , 1-1	4-3	3
11	Predictive auto-reclosure approach to enhance transient stability of grid-connected DGs. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 3011-3019	2-5	2
10	Improved zone-3 distance protection based on adjacent relays data. <i>International Transactions on Electrical Energy Systems</i> , 2019 , 29, e2726	2-2	2
9	Distributed Robust Secondary Control of Islanded Microgrids: Voltage, Frequency, and Power Sharing. <i>IEEE Transactions on Power Delivery</i> , 2021 , 36, 2501-2509	4-3	2
8	Current-based blocking scheme to stabilize distribution network relays against FIDVR. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 132, 107205	5-1	2
7	Development of a data compression index for discrimination between transformer internal faults and inrush currents 2009 ,		1
6	Accelerated distance protection for transmission lines based on accurate fault location. <i>Electric Power Systems Research</i> , 2021 , 193, 107021	3-5	1
5	A precise analytical method for fault location in double-circuit transmission lines. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 126, 106568	5-1	1
4	Online Sensitive Turn-to-Turn Fault Detection in Power Transformers. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8-9	0
3	Correction to "Fast and Reliable CT Saturation Detection Using a Combined Method". <i>IEEE Transactions on Power Delivery</i> , 2009 , 24, 2463-2463	4-3	
2	Resolving Current Transformer Partial Saturation Problem: an Analytical Approach to Design the Flux Equalizing Winding. <i>IEEE Transactions on Power Delivery</i> , 2022 , 1-1	4-3	
1	Adaptive Wide-Area Load Shedding Scheme Based on the Sink and Source Concept to Preserve Power System Stability. <i>IEEE Systems Journal</i> , 2022 , 1-11	4-3	