

# Ahmed Abu-Siada

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/796581/ahmed-abu-siada-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

204  
papers

3,097  
citations

29  
h-index

47  
g-index

235  
ext. papers

4,051  
ext. citations

3.2  
avg, IF

6.17  
L-index

#	Paper	IF	Citations
204	Smart load management of plug-in electric vehicles in distribution and residential networks with charging stations for peak shaving and loss minimisation considering voltage regulation. <i>IET Generation, Transmission and Distribution</i> , <b>2011</b> , 5, 877	2.5	268
203	A review of dissolved gas analysis measurement and interpretation techniques. <i>IEEE Electrical Insulation Magazine</i> , <b>2014</b> , 30, 39-49	2.1	161
202	A new approach to identify power transformer criticality and asset management decision based on dissolved gas-in-oil analysis. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2012</b> , 19, 1007-1012	2.3	110
201	A Novel Online Technique to Detect Power Transformer Winding Faults. <i>IEEE Transactions on Power Delivery</i> , <b>2012</b> , 27, 849-857	4.3	108
200	Understanding power transformer frequency response analysis signatures. <i>IEEE Electrical Insulation Magazine</i> , <b>2013</b> , 29, 48-56	2.1	107
199	Improved power transformer winding fault detection using FRA diagnostics [part 1: axial displacement simulation. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2015</b> , 22, 556-563	2.3	96
198	Application of SMES to Enhance the Dynamic Performance of DFIG During Voltage Sag and Swell. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2012</b> , 22, 5702009-5702009	1.8	88
197	A new fuzzy logic approach for consistent interpretation of dissolved gas-in-oil analysis. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2013</b> , 20, 2343-2349	2.3	77
196	A new fuzzy logic approach to identify power transformer criticality using dissolved gas-in-oil analysis. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2015</b> , 67, 401-408	5.1	56
195	Methods for Advanced Wind Turbine Condition Monitoring and Early Diagnosis: A Literature Review. <i>Energies</i> , <b>2018</b> , 11, 1309	3.1	51
194	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2016</b> , 12, 2062-2073	11.9	50
193	Application of SMES Unit in Improving the Performance of an AC/DC Power System. <i>IEEE Transactions on Sustainable Energy</i> , <b>2011</b> , 2, 109-121	8.2	48
192	. <i>IEEE Transactions on Power Delivery</i> , <b>2012</b> , 27, 469-474	4.3	47
191	Fuzzy Approach for Online Coordination of Plug-In Electric Vehicle Charging in Smart Grid. <i>IEEE Transactions on Sustainable Energy</i> , <b>2015</b> , 6, 1112-1121	8.2	46
190	Impacts of battery charging rates of Plug-in Electric Vehicle on smart grid distribution systems <b>2010</b> ,		45
189	Detection of power transformer bushing faults and oil degradation using frequency response analysis. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2016</b> , 23, 222-229	2.3	42
188	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2015</b> , 22, 1275-1282	2.3	41

187	Fuzzy logic approach for transformer remnant life prediction and asset management decision. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2016</b> , 23, 3199-3208	2.3	41
186	A Three-Phase Symmetrical DC-Link Multilevel Inverter With Reduced Number of DC Sources. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 8331-8340	7.2	38
185	Improved power transformer winding fault detection using FRA diagnostics (part 2: radial deformation simulation). <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2015</b> , 22, 564-570	2.3	37
184	Application of DIP to Detect Power Transformers Axial Displacement and Disk Space Variation Using FRA Polar Plot Signature. <i>IEEE Transactions on Industrial Informatics</i> , <b>2017</b> , 13, 1794-1805	11.9	36
183	Correlation of furan concentration and spectral response of transformer oil-using expert systems. <i>IET Science, Measurement and Technology</i> , <b>2011</b> , 5, 183-188	1.5	34
182	A New Vibration Testing Platform for Electronic Current Transformers. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2019</b> , 68, 704-712	5.2	33
181	A new method to detect dissolved gases in transformer oil using NIR-IR spectroscopy. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2017</b> , 24, 409-419	2.3	32
180	Application of digital image processing to detect transformer bushing faults and oil degradation using FRA polar plot signature. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2017</b> , 24, 428-436	2.3	32
179	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 3463-3472	4.3	32
178	Electromagnetic Force Distribution and Deformation Homogeneity of Electromagnetic Tube Expansion With a New Concave Coil Structure. <i>IEEE Access</i> , <b>2019</b> , 7, 117107-117114	3.5	32
177	Online Transformer Internal Fault Detection Based on Instantaneous Voltage and Current Measurements Considering Impact of Harmonics. <i>IEEE Transactions on Power Delivery</i> , <b>2017</b> , 32, 587-598	4.3	32
176	Solid State Transformers Topologies, Controllers, and Applications: State-of-the-Art Literature Review. <i>Electronics (Switzerland)</i> , <b>2018</b> , 7, 298	2.6	31
175	Detecting incipient radial deformations of power transformer windings using polar plot and digital image processing. <i>IET Science, Measurement and Technology</i> , <b>2018</b> , 12, 492-499	1.5	28
174	Improving dynamic performance of wind energy conversion systems using fuzzy-based hysteresis current-controlled superconducting magnetic energy storage. <i>IET Power Electronics</i> , <b>2012</b> , 5, 1305	2.2	28
173	Detection of Electricity Theft Behavior Based on Improved Synthetic Minority Oversampling Technique and Random Forest Classifier. <i>Energies</i> , <b>2020</b> , 13, 2039	3.1	27
172	A New Technique for Simultaneous Load Current Sharing and Voltage Regulation in DC Microgrids. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 1403-1414	11.9	27
171	State-of-the-art literature review of WPT: Current limitations and solutions on IPT. <i>Electric Power Systems Research</i> , <b>2018</b> , 154, 493-502	3.5	27
170	Transformer Parameters Estimation From Nameplate Data Using Evolutionary Programming Techniques. <i>IEEE Transactions on Power Delivery</i> , <b>2014</b> , 29, 2118-2123	4.3	26

169	Electromagnetic Force Distribution and Forming Performance in Electromagnetic Forming With Discretely Driven Rings. <i>IEEE Access</i> , <b>2020</b> , 8, 16166-16173	3.5	25
168	Application of SMES Unit to Improve DFIG Power Dispatch and Dynamic Performance During Intermittent Misfire and Fire-Through Faults. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 5701712-5701712	1.8	25
167	Estimating Power Transformer High Frequency Model Parameters Using Frequency Response Analysis. <i>IEEE Transactions on Power Delivery</i> , <b>2020</b> , 35, 1267-1277	4.3	25
166	. <i>IEEE Access</i> , <b>2020</b> , 8, 9371-9379	3.5	21
165	<b>2011</b> ,		21
164	Application of adaptive neuro fuzzy inference system to support power transformer life estimation and asset management decision. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2018</b> , 25, 845-852	2.3	20
163	Application of Superconductors to Improve the Performance of DFIG-Based WECS. <i>IEEE Access</i> , <b>2019</b> , 7, 103760-103769	3.5	20
162	Fuzzy logic approach to identify transformer criticality using dissolved gas analysis <b>2010</b> ,		20
161	Characterization of transformer FRA signature under various winding faults <b>2012</b> ,		19
160	An improved digital integral algorithm to enhance the measurement accuracy of Rogowski coil-based electronic transformers. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2020</b> , 118, 105806	5.1	19
159	. <i>IEEE Access</i> , <b>2019</b> , 7, 157471-157479	3.5	18
158	Impact of rooftop PV generation on distribution transformer and voltage profile of residential and commercial networks <b>2012</b> ,		18
157	High frequency electric circuit modeling for transformer frequency response analysis studies. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2019</b> , 111, 351-368	5.1	17
156	A new on-line technique to identify fault location within long transmission lines. <i>Engineering Failure Analysis</i> , <b>2019</b> , 105, 52-64	3.2	17
155	Fault Location on Radial Distribution Networks via Distributed Synchronized Traveling Wave Detectors. <i>IEEE Transactions on Power Delivery</i> , <b>2020</b> , 35, 1553-1562	4.3	16
154	Cloud computing for energy management in smart grid - an application survey. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 121, 012010	0.4	16
153	Improved Consistent Interpretation Approach of Fault Type within Power Transformers Using Dissolved Gas Analysis and Gene Expression Programming. <i>Energies</i> , <b>2019</b> , 12, 730	3.1	15
152	Enhancing the performance of wind DFIG conversion systems using unified power flow controller. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 1922-1929	2.5	15

151	Electromagnetic Force Distribution and Wall Thickness Reduction of Three-Coil Electromagnetic Tube Bulging With Axial Compression. <i>IEEE Access</i> , <b>2020</b> , 8, 21665-21675	3.5	15
150	Improving the low voltage ride through of doubly fed induction generator during intermittent voltage source converter faults. <i>Journal of Renewable and Sustainable Energy</i> , <b>2013</b> , 5, 043110	2.5	15
149	Experimental evaluation of detecting power transformer internal faults using FRA polar plot and texture analysis. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2019</b> , 108, 1-8	5.1	15
148	Research on a Composite Voltage and Current Measurement Device for HVDC Networks. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 8930-8941	8.9	15
147	. <i>IEEE Access</i> , <b>2020</b> , 8, 19248-19255	3.5	14
146	Robust Adaptive Neural-Network Backstepping Control Design for High-Speed Permanent-Magnet Synchronous Motor Drives: Theory and Experiments. <i>IEEE Access</i> , <b>2019</b> , 7, 99327-99348	3.5	14
145	Application of STATCOM to improve the high-voltage-ride-through capability of wind turbine generator <b>2011</b> ,		14
144	Enhancement of DFIG LVRT Capability During Extreme Short-Wind Gust Events Using SMES Technology. <i>IEEE Access</i> , <b>2020</b> , 8, 47264-47271	3.5	13
143	Analysis of Electromagnetic Force and Formability of Tube Electromagnetic Bulging Based on Convex Coil. <i>IEEE Access</i> , <b>2020</b> , 8, 33215-33222	3.5	13
142	A New Online Temperature Compensation Technique for Electronic Instrument Transformers. <i>IEEE Access</i> , <b>2019</b> , 7, 97614-97623	3.5	13
141	Toward reliable interpretation of power transformer sweep frequency impedance signatures: experimental analysis. <i>IEEE Electrical Insulation Magazine</i> , <b>2018</b> , 34, 40-51	2.1	12
140	A novel method of measuring transformer oil interfacial tension using UV-Vis spectroscopy. <i>IEEE Electrical Insulation Magazine</i> , <b>2016</b> , 32, 7-13	2.1	12
139	Study of Current Measurement Method Based on Circular Magnetic Field Sensing Array. <i>Sensors</i> , <b>2018</b> , 18,	3.8	12
138	Application of SMES unit to improve the high-voltage-ride-through capability of DFIG-grid connected during voltage swell <b>2011</b> ,		12
137	<b>2009</b> ,		12
136	Correlation between UV-Vis spectral response and furan measurement of transformer oil <b>2008</b> ,		12
135	Design and implementation of a novel three-phase cascaded half-bridge inverter. <i>IET Power Electronics</i> , <b>2016</b> , 9, 1741-1752	2.2	12
134	3D approach for fault identification within power transformers using frequency response analysis. <i>IET Science, Measurement and Technology</i> , <b>2019</b> , 13, 903-911	1.5	11

133	Online coordination of plug-in electric vehicle charging in smart grid with distributed wind power generation systems <b>2014</b> ,		11
132	Remnant life estimation of power transformer based on IFT and acidity number of transformer oil <b>2015</b> ,		11
131	A Novel Unbalance Compensation Method for Distribution Solid-State Transformer Based on Reduced Order Generalized Integrator. <i>IEEE Access</i> , <b>2019</b> , 7, 108593-108603	3.5	10
130	Adaptive RCMAC Neural Network Dynamic Surface Control for Permanent-Magnet Synchronous Motors Driven Two-Axis X-Y Table. <i>IEEE Access</i> , <b>2019</b> , 7, 38068-38084	3.5	10
129	Construction and Analysis of Two-Dimensional Axisymmetric Model of Electromagnetic Tube Bulging With Field Shaper. <i>IEEE Access</i> , <b>2020</b> , 8, 113713-113719	3.5	10
128	Experimental Evaluation of Transformer Internal Fault Detection Based on V <sub>IR</sub> Characteristics. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 4108-4119	8.9	10
127	Impact of VSC faults on dynamic performance and low voltage ride through of DFIG. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2015</b> , 65, 334-347	5.1	9
126	Effect of AC-voltage harmonics on oil impregnated paper in transformer bushings. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2020</b> , 27, 26-32	2.3	9
125	A Novel Concept for Three-Phase Cascaded Multilevel Inverter Topologies. <i>Energies</i> , <b>2018</b> , 11, 268	3.1	8
124	Improved condition monitoring technique for wind turbine gearbox and shaft stress detection. <i>IET Science, Measurement and Technology</i> , <b>2017</b> , 11, 431-437	1.5	8
123	Performance evaluation of online transformer internal fault detection based on transient overvoltage signals. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2017</b> , 24, 3906-3915	2.3	8
122	Impact of uncoordinated and coordinated charging of plug-in electric vehicles on substation transformer in smart grid with charging stations <b>2011</b> ,		8
121	A novel algorithm to detect internal transformer faults <b>2011</b> ,		8
120	An online correction system for electronic voltage transformers. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 126, 106611	5.1	8
119	Understanding the Influence of Power Transformer Faults on the Frequency Response Signature Using Simulation Analysis and Statistical Indicators. <i>IEEE Access</i> , <b>2021</b> , 9, 70935-70947	3.5	8
118	Application of SMES Technology in Improving the Performance of a DFIG-WECS Connected to a Weak Grid. <i>IEEE Access</i> , <b>2021</b> , 9, 124541-124548	3.5	8
117	Optimum Location and Parameter Setting of STATCOM Based on Improved Differential Evolution Harmony Search Algorithm. <i>IEEE Access</i> , <b>2020</b> , 8, 87810-87819	3.5	7
116	A Minimum Side-Lobe Optimization Window Function and Its Application in Harmonic Detection of an Electricity Grid. <i>Energies</i> , <b>2019</b> , 12, 2619	3.1	7

115	Correlation between dissolved gases and oil spectral response <b>2017,</b>		7
114	<b>2014,</b>		7
113	<b>2014,</b>		7
112	A review on chemical diagnosis techniques for transformer paper insulation degradation <b>2013,</b>		7
111	Impact of axial displacement on power transformer FRA signature <b>2013,</b>		7
110	A new method for analysing transformer condition using frequency response analysis <b>2011,</b>		7
109	Artificial Intelligence-Based Power Transformer Health Index for Handling Data Uncertainty. <i>IEEE Access</i> , <b>2021</b> , 1-1	3.5	7
108	A comprehensive analyses of aging characteristics of oil-paper insulation system in HVDC converter transformers. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2020</b> , 27, 1707-1714	2.3	7
107	Fault Diagnosis of Transformer Windings Based on Decision Tree and Fully Connected Neural Network. <i>Energies</i> , <b>2021</b> , 14, 1531	3.1	7
106	Impact of Load Ramping on Power Transformer Dissolved Gas Analysis. <i>IEEE Access</i> , <b>2019</b> , 7, 170343-170351	3.5	6
105	Enhancement of microgrid operation by considering the cascaded impact of communication delay on system stability and power management. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2020</b> , 120, 105964	5.1	6
104	Image processing-based on-line technique to detect power transformer winding faults <b>2013,</b>		6
103	Application of a superconducting magnetic energy storage unit to improve the stability performance of power systems		6
102	Voltage-current technique to identify fault location within long transmission lines. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 5588-5596	2.5	6
101	A testing platform for subsea power cable deployment. <i>Engineering Failure Analysis</i> , <b>2019</b> , 96, 142-157	3.2	6
100	Toward a Substation Automation System Based on IEC 61850. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 310	2.6	6
99	An Online Calibration System for Digital Input Electricity Meters Based on Improved Nuttall Window. <i>IEEE Access</i> , <b>2018</b> , 6, 71262-71270	3.5	6
98	High frequency transformer modelling using state space representation for FRA studies <b>2017,</b>		5

97	Improvement of DFIG-based WECS performance using SMES unit <b>2013</b> ,		5
96	Impact of conducting materials on furan-spectral correlation of transformer oil <b>2013</b> ,		5
95	Power transformer winding fault analysis using transfer function <b>2013</b> ,		5
94	Effect of intermittent voltage source converter faults on the overall performance of wind energy conversion system. <i>International Journal of Sustainable Energy</i> , <b>2014</b> , 33, 606-618	2.7	5
93	Enhancing the Fault Ride-through Capability of a DFIG-WECS Using a High-Temperature Superconducting Coil. <i>Energies</i> , <b>2021</b> , 14, 6319	3.1	5
92	. <i>IEEE Access</i> , <b>2020</b> , 8, 159979-159989	3.5	5
91	Online Evaluation for the Accuracy of Electronic Voltage Transformer Based on Recursive Principal Components Analysis. <i>Energies</i> , <b>2020</b> , 13, 5576	3.1	4
90	Combined ANFIS-Wavelet Technique to Improve the Estimation Accuracy of the Power Output of Neighboring PV Systems during Cloud Events. <i>Energies</i> , <b>2020</b> , 13, 1613	3.1	4
89	<b>2012</b> ,		4
88	Improvement of LVRT capability of variable speed wind turbine generators using SMES unit <b>2011</b> ,		4
87	Power transfer capability improvement of an induction generator wind energy conversion system <b>2009</b> ,		4
86	Standardization of DGA interpretation techniques using fuzzy logic approach <b>2012</b> ,		4
85	. <i>IEEE Access</i> , <b>2020</b> , 8, 196253-196263	3.5	4
84	An Intelligent Controlling Method for Battery Lifetime Increment Using State of Charge Estimation in PV-Battery Hybrid System. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 8799	2.6	4
83	A review of spectroscopy technology applications in transformer condition monitoring <b>2016</b> ,		4
82	Application of FRA to Improve the Design and Maintenance of Wireless Power Transfer Systems. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2019</b> , 68, 4313-4325	5.2	4
81	Dealing With Data Uncertainty for Transformer Insulation System Health Index. <i>IEEE Access</i> , <b>2021</b> , 9, 74703-74712	3.5	4
80	Interpretation of Frequency Response Analysis for Fault Detection in Power Transformers. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2923	2.6	4



79	Dissolved Gas Analysis for Power Transformers within Distributed Renewable Generation-Based Systems. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2021</b> , 28, 1349-1356	2.3	4
78	Sag and Flicker Reduction Using Hysteresis-Fuzzy Control-Based SMES Unit. <i>Canadian Journal of Electrical and Computer Engineering</i> , <b>2019</b> , 42, 52-57	1.4	3
77	Minimum detection of power transformer short circuit fault using frequency response analysis <b>2015</b> ,		3
76	Application of UPFC to improve the low-voltage-ride-through capability of DFIG <b>2015</b> ,		3
75	Application of high temperature superconductor to improve the dynamic performance of WECS <b>2015</b> ,		3
74	Investigating a New Approach for Moisture Assessment of Transformer Insulation System. <i>IEEE Access</i> , <b>2020</b> , 8, 81458-81467	3.5	3
73	An Improved Technique to Estimate the Total Generated Power by Neighboring Photovoltaic Systems Using Single-Point Irradiance Measurement and Correlational Models. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 3905-3917	11.9	3
72	Improving voltage of remote connection using wind-solar farms equipped with new voltage control strategy based on virtual impedance monitoring enabled by IEC 61850 communication. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 2199-2207	2.5	3
71	Application of UPFC on stabilizing torsional oscillations and improving transient stability <b>2013</b> ,		3
70	Effect of SMES unit on the performance of type 4 wind turbine generator during voltage sag <b>2011</b> ,		3
69	Improving the performance of smart grid over-current protection relays <b>2011</b> ,		3
68	Effects of SMES on dynamic behaviors of type D-Wind Turbine Generator-Grid connected during short circuit <b>2011</b> ,		3
67	<b>2008</b> ,		3
66	Clustering of transformer condition using frequency response analysis based on k-means and GOA. <i>Electric Power Systems Research</i> , <b>2022</b> , 202, 107619	3.5	3
65	Active Charge Balancing Strategy Using the State of Charge Estimation Technique for a PV-Battery Hybrid System. <i>Energies</i> , <b>2020</b> , 13, 3434	3.1	3
64	Electromagnetic Force Distribution and Axial Deformation Uniformity Analysis of Dual-Coil Electromagnetic Tube Compression Method. <i>IEEE Access</i> , <b>2020</b> , 8, 143502-143508	3.5	3
63	Study of a Topology for Plate Electromagnetic Forming Based on Inner Reverse and Outer Positive Double Coil Loading. <i>IEEE Access</i> , <b>2020</b> , 8, 196920-196930	3.5	3
62	Tube Electromagnetic Free Bulging Based on Internal Negative-External Positive Three-Coil System. <i>IEEE Access</i> , <b>2020</b> , 8, 209939-209948	3.5	3

61	Application of Logistic Regression Algorithm in the Interpretation of Dissolved Gas Analysis for Power Transformers. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1206	2.6	3
60	Estimation of Transmission Line Parameters Using Voltage-Current Measurements and Whale Optimization Algorithm. <i>Energies</i> , <b>2021</b> , 14, 3239	3.1	3
59	Comparison of different correlational techniques in estimating the total generated power of neighboring photovoltaic systems <b>2016</b> ,		3
58	Estimating Generated Power of Photovoltaic Systems During Cloudy Days Using Gene Expression Programming. <i>IEEE Journal of Photovoltaics</i> , <b>2021</b> , 11, 185-194	3.7	3
57	Application of Order Analysis to Diagnose Fatigue within Wind Turbine Gearbox. <i>Technology and Economics of Smart Grids and Sustainable Energy</i> , <b>2017</b> , 2, 1	2.1	2
56	Impact of insulating oil degradation on the power transformer frequency response analysis <b>2015</b> ,		2
55	A novel three phase cascaded multilevel inverter topology <b>2016</b> ,		2
54	Enhancing the Estimation of the Overall Produced Power by Several Adjacent Photovoltaic Systems Using Existing Correlational Factors <b>2018</b> ,		2
53	<b>2013</b> ,		2
52	<b>2017</b> ,		2
51	Impact of power transformer insulating mineral oil degradation on FRA polar plot <b>2015</b> ,		2
50	Performance evaluation of on-line transformer winding short circuit fault detection based on instantaneous voltage and current measurements <b>2014</b> ,		2
49	Offline to online mechanical deformation diagnosis for power transformers <b>2014</b> ,		2
48	Application of artificial neural networks to improve power transfer capability through OLTC. <i>International Journal of Engineering, Science and Technology</i> , <b>2010</b> , 2,	1.4	2
47	Transmission Line Power Transfer Capability Improvement, Case Study. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 495-499		2
46	Preventing transformer internal resonance under very fast transient overvoltage using RC surge suppressor. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2017</b> , 24, 1263-1272	2.3	2
45	Finite element performance evaluation of online transformer internal fault detection based on instantaneous voltage and current measurements. <i>Australian Journal of Electrical and Electronics Engineering</i> , <b>2014</b> , 11,	0.6	2
44	Electromagnetic Force Distribution and Forming Performance in Electromagnetic Tube Expansion with Axial Compression. <i>IEEE Access</i> , <b>2020</b> , 8, 134514-134523	3.5	2

43	Identification of the minimum detection of transformer bushing failure based on Frequency Response Analysis (FRA) <b>2016</b> ,		2
42	High frequency power transformer modelling for frequency response analysis studies <b>2016</b> ,		2
41	Verification of Latency and Delays Related to a Digital Topology based on IEC 61850 <b>2019</b> ,		2
40	Power Transformer Degradation Condition and Insulation Index Estimation Based on Historical Oil Dat <b>2019</b> ,		2
39	. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-10	5.2	2
38	Optimal Placement of Synchronized Voltage Traveling Wave Sensors in a Radial Distribution Network. <i>IEEE Access</i> , <b>2021</b> , 9, 65380-65387	3.5	2
37	Effect of Temperature and Pre-stressed Voltage on Breakdown of Oil-Impregnated Paper <b>2018</b> ,		2
36	Technoeconomic and Environmental Study of Multi-Objective Integration of PV/Wind-Based DGs Considering Uncertainty of System. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 3035	2.6	2
35	Combined Online and Delayed Coordinated Charging of Plug-In Electric Vehicles Considering Wind and Rooftop PV Generations. <i>Technology and Economics of Smart Grids and Sustainable Energy</i> , <b>2016</b> , 1, 1	2.1	1
34	<b>2016</b> ,		1
33	<b>2014</b> ,		1
32	A novel application of frequency response analysis for wireless power transfer system <b>2017</b> ,		1
31	<b>2017</b> ,		1
30	Superconducting Magnetic Energy Storage unit, an efficient energy technology for power systems <b>2008</b> ,		1
29	Classification and Location of Transformer Winding Deformations using Genetic Algorithm and Support Vector Machine. <i>Recent Advances in Electrical and Electronic Engineering</i> , <b>2021</b> , 14,	0.3	1
28	A Cloud Associated Smart Grid Admin Dashboard. <i>Engineering, Technology &amp; Applied Science Research</i> , <b>2018</b> , 8, 2499-2507	1	1
27	Error Analysis of Air-Core Coil Current Transformer Based on Stacking Model Fusion. <i>Energies</i> , <b>2021</b> , 14, 1912	3.1	1
26	Application of Frequency Response Analysis Technique to Detect Transformer Tap Changer Faults. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3128	2.6	1

25	Voltage regulation in DC microgrids with various circuit configurations <b>2016</b> ,		1
24	A New Control Strategy for Active Power Filter. <i>Energies</i> , <b>2019</b> , 12, 4099	3.1	1
23	Study on the Efficiency of Simultaneous Tube Compression and Expansion Electromagnetic Forming. <i>IEEE Access</i> , <b>2021</b> , 9, 30035-30042	3.5	1
22	An Effective Dual Closed-Loop Scheme Based on Lead Compensator and Proportional Controller for Quasi Z-Source Inverter <b>2018</b> ,		1
21	Review of Transmission Line Fault Location using Travelling Wave Method <b>2018</b> ,		1
20	Mitigation of Torsional Oscillations Hazard in Cascaded Induction Motors Driving a Large Mechanical Load <b>2018</b> ,		1
19	A Hybrid Multilevel Power Electronic Inverter and Fault Location Identification of Switching Devices <b>2018</b> ,		1
18	Partial Discharge Analysis on-site in Various High Voltage Apparatus <b>2018</b> ,		1
17	Analysis of Transformer Oil-Paper Insulation State Using Fractional Poynting-Thomson Model. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2022</b> , 1-1	2.3	1
16	A Master-Slave Game Optimization Model for Electric Power Companies Considering Virtual Power Plant. <i>IEEE Access</i> , <b>2022</b> , 10, 21812-21820	3.5	1
15	Oil-Immersed Power Transformer Condition Monitoring Methodologies: A Review. <i>Energies</i> , <b>2022</b> , 15, 3379	3.1	1
14	. <i>IEEE Access</i> , <b>2020</b> , 8, 170271-170280	3.5	0
13	Cost-Effective Design of IoT-Based Smart Household Distribution System. <i>Designs</i> , <b>2021</b> , 5, 55	1.8	0
12	Application of Frequency Response Analysis Method to Detect Short-Circuit Faults in Three-Phase Induction Motors. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 2046	2.6	0
11	Active Power Sharing in a Micro-Grid with Multiple Grid Connections. <i>Designs</i> , <b>2022</b> , 6, 24	1.8	0
10	Design and Validation of a Generalized Multilevel Inverter with Simplified Switching Technique. <i>Electric Power Components and Systems</i> , <b>2020</b> , 48, 186-200	1	
9	Energy Management Strategy of AC/DC Hybrid Microgrid Based on Solid-State Transformer. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	
8	Gene expression technique-based approach to improve the accuracy of estimating the total generated power by neighbouring photovoltaic systems. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 3715-3723	2.9	

- |   |   |     |
|---|---|-----|
| 7 | A new current-based technique for discriminating between internal faults and inrush current within power transformers <b>2015</b> , 195-200   |     |
| 6 | Superconducting Magnetic Energy Storage, a Promising FACTS Device for Wind Energy Conversion Systems <b>2017</b> , 49-86  |     |
| 5 | Applications of Unified Power Flow Controller in Wind Energy Conversion System <b>2017</b> , 17-48  |     |
| 4 | Correction to A Novel Unbalance Compensation Method for Distribution Solid-State Transformer Based on Reduced Order Generalized Integrator <i>IEEE Access</i> , <b>2019</b> , 7, 169656-169656      | 3.5 |
| 3 | Research on Electromagnetic Force Distribution and Deformation Uniformity of Tube Electromagnetic Bulging Based on Concave Magnetic Field Shaper. <i>IEEE Access</i> , <b>2021</b> , 9, 63550-63558 | 3.5 |
| 2 | . <i>IEEE Access</i> , <b>2021</b> , 9, 70014-70023   | 3.5 |
| 1 | Seamless Switching Technology of UPQC Based on Improved Power Angle Control. <i>Global Journal of Energy Technology Research Updates</i> , 8, 54-70   | 0   |