

Paola Verde

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

960
citations

623734

14
h-index

580821

25
g-index

69
all docs

69
docs citations

69
times ranked

508
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Time-varying harmonics. I. Characterizing measured data. IEEE Transactions on Power Delivery, 1998, 13, 938-944. | 4.3 | 108 |
| 2 | Time-varying harmonics. II. Harmonic summation and propagation. IEEE Transactions on Power Delivery, 2002, 17, 279-285. | 4.3 | 95 |
| 3 | Inherent structure theory of networks and power system harmonics. IET Generation, Transmission and Distribution, 1998, 145, 123. | 1.1 | 53 |
| 4 | Analytical Modeling for Harmonic Analysis of Line Current of VSI-Fed Drives. IEEE Transactions on Power Delivery, 2004, 19, 1212-1224. | 4.3 | 42 |
| 5 | Probabilistic evaluation of the economical damage due to harmonic losses in industrial energy system. IEEE Transactions on Power Delivery, 1996, 11, 1021-1031. | 4.3 | 40 |
| 6 | Probabilistic three-phase load flow. International Journal of Electrical Power and Energy Systems, 1999, 21, 55-69. | 5.5 | 38 |
| 7 | Analysis of the origin of measured voltage sags in interconnected networks. Electric Power Systems Research, 2018, 154, 391-400. | 3.6 | 34 |
| 8 | An approach to life estimation of electrical plant components in the presence of harmonic distortion. , 0, , . | | 32 |
| 9 | Site and System Indices for Power-Quality Characterization of Distribution Networks With Distributed Generation. IEEE Transactions on Power Delivery, 2011, 26, 1304-1316. | 4.3 | 31 |
| 10 | Complete matrix formulation of fault-position method for voltage-dip characterisation. IET Generation, Transmission and Distribution, 2007, 1, 56. | 2.5 | 30 |
| 11 | Methods for Assessing the Robustness of Electrical Power Systems Against Voltage Dips. IEEE Transactions on Power Delivery, 2009, 24, 43-51. | 4.3 | 30 |
| 12 | First-order probabilistic harmonic power flow. IET Generation, Transmission and Distribution, 2001, 148, 541. | 1.1 | 22 |
| 13 | AC and DC arc furnaces: a comparison on some power quality aspects. , 0, , . | | 19 |
| 14 | A Framework for Regulation of RMS Voltage and Short-Duration Under and Overvoltages. IEEE Transactions on Power Delivery, 2008, 23, 2105-2112. | 4.3 | 19 |
| 15 | The effects of voltage waveform factors on cable life estimation using measured distorted voltages. , 2006, , . | | 18 |
| 16 | A global index for discrete voltage disturbances. , 2007, , . | | 18 |
| 17 | Impact of Distributed Generation on the Voltage Sag Performance of Transmission Systems. Energies, 2017, 10, 959. | 3.1 | 16 |
| 18 | Voltage sags in the automotive industry: Analysis and solutions. Electric Power Systems Research, 2014, 110, 25-30. | 3.6 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | An integrated probabilistic harmonic index. , 0, , . | | 13 |
| 20 | User friendly smart distributed measurement system for monitoring and assessing the electrical power quality. , 2015, , . | | 13 |
| 21 | Decision theory criteria for medium voltage cable sizing in presence of nonlinear loads. International Journal of Electrical Power and Energy Systems, 2001, 23, 507-516. | 5.5 | 12 |
| 22 | Initial Results of an Extensive, Long-Term Study of the Forecasting of Voltage Sags. Energies, 2021, 14, 1264. | 3.1 | 11 |
| 23 | Planning of Distributed Energy Storage Systems in $\hat{1}/4$ Grids Accounting for Voltage Dips. Energies, 2020, 13, 401. | 3.1 | 11 |
| 24 | Cost-related harmonic limits. , 0, , . | | 9 |
| 25 | Power quality degradation effects on PWM voltage source inverter with diode bridge rectifier. , 0, , . | | 9 |
| 26 | On the economic selection of medium voltage cable sizes in nonsinusoidal conditions. IEEE Transactions on Power Delivery, 2002, 17, 1-7. | 4.3 | 9 |
| 27 | New tool for reactive power planning. IEE Proceedings C: Generation Transmission and Distribution, 1993, 140, 256. | 0.3 | 8 |
| 28 | Estimation of thermal useful life of MV/LV cables in presence of harmonics and moisture migration. , 0, , . | | 8 |
| 29 | A simplified method for the probabilistic evaluation of the economical damage due to harmonic losses. , 0, , . | | 7 |
| 30 | High speed AC locomotives: harmonic and interharmonic analysis at a vehicle test room. , 0, , . | | 7 |
| 31 | Some considerations on single site and system probabilistic harmonic indices for distribution networks. , 0, , . | | 7 |
| 32 | On the Forecast of the Voltage Sags: First Stages of Analysis on Real Systems. , 2020, , . | | 7 |
| 33 | Probabilistic harmonic power flow for percentile evaluation. , 0, , . | | 6 |
| 34 | Analysis and design of a combined system of shunt passive and active filters. European Transactions on Electrical Power, 2007, 4, 155-162. | 1.0 | 6 |
| 35 | Voltage sag estimation of real transmission systems for faults along the lines. , 2018, , . | | 6 |
| 36 | Indices of Intermittence to Improve the Forecasting of the Voltage Sags Measured in Real Systems. IEEE Transactions on Power Delivery, 2022, 37, 1252-1263. | 4.3 | 6 |

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| 37 | System voltage quality regulation for continuous disturbances. , 2010, , . | | 5 |
| 38 | Probabilistic Estimation of the Energy Consumption and Performance of the Lighting Systems of Road Tunnels for Investment Decision Making. Energies, 2019, 12, 1488. | 3.1 | 5 |
| 39 | Detecting the Origin of the Voltage Sags Measured in the Smart Grids. , 2019, , . | | 5 |
| 40 | Cost of harmonic effects as meaning of standard limits. , 0, , . | | 4 |
| 41 | Static series compensator for voltage dip mitigation with zero-sequence injection capability. , 0, , . | | 4 |
| 42 | Comparison of methods using only voltage measurements for detecting the origin of voltage sags in the modern distribution networks. , 2018, , . | | 4 |
| 43 | Effects of Voltage Dips on Robotic Grasping. Robotics, 2019, 8, 28. | 3.5 | 4 |
| 44 | Correction to "Probabilistic Evaluation of the Economical Damage Due to Harmonic Losses in Industria. IEEE Transactions on Power Delivery, 1996, 11, 1692. | 4.3 | 3 |
| 45 | Simplified expressions for the evaluation of the cyclic ratings of low and medium voltage cables in non sinusoidal conditions. , 0, , . | | 2 |
| 46 | Power converters for fuel-cells based UPS to improve power quality. , 0, , . | | 2 |
| 47 | Sag Estimation of Real Transmission Systems for Faults Along the Lines in the Presence of Distributed Generation. , 2018, , . | | 2 |
| 48 | Tools for Assessing the Robustness of Electrical System against Voltage Dips in terms of Amplitude, Duration and Frequency. Renewable Energy and Power Quality Journal, 0, , 177-182. | 0.2 | 2 |
| 49 | Fast Probabilistic Assessment of Voltage Dips in Power Systems. , 2006, , . | | 1 |
| 50 | Power Quality Indices of Distribution Networks with Embedded Generation. , 2006, , . | | 1 |
| 51 | Power Quality Assessment in Liberalized Market: Probabilistic System Indices for Distribution Networks with Embedded Generation. , 2006, , . | | 1 |
| 52 | Energy Planning with Air Pollution Constraints. International Journal of Emerging Electric Power Systems, 2006, 7, . | 0.8 | 1 |
| 53 | On robustness of distribution systems against voltage dips. , 0, , . | | 1 |
| 54 | On Energy Recovery Possibility at Test Facility of Generator Sets. , 2007, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | On the economic regulation of voltage quality. , 2008, , . | | 1 |
| 56 | On the robustness of the distribution systems against voltage dips: The analytical assessment for different structure variations. , 2010, , . | | 1 |
| 57 | Development of innovative systems for operation and control of electric power distribution networks: Management and optimal use of distributed generation and of renewable energy resources. , 2012, , . | | 1 |
| 58 | Integrated modelling and experimental verification of energy consumption and performance of the lighting systems of tunnels. , 2014, , . | | 1 |
| 59 | Objective pulsatile tinnitus: case report. Acta Otorhinolaryngologica Italica, 2003, 23, 383-7. | 1.5 | 1 |
| 60 | Technical and Economical Feasibility of Use of a Non-Conventional Filtering System in HvdC Stations. , 0, , . | | 0 |
| 61 | An object-oriented approach to analyse the capability of industrial electrical components in presence of harmonics. , 0, , . | | 0 |
| 62 | Impact of fuel cell-based embedded generation on distribution networks. , 2005, , . | | 0 |
| 63 | Probabilistic Modeling for Network Analysis. , 0, , 95-113. | | 0 |
| 64 | Probabilistic Harmonic Indices. , 0, , 137-147. | | 0 |
| 65 | Tools for assessing the robustness variation of power system against voltage dips. Renewable Energy and Power Quality Journal, 2009, 1, 749-753. | 0.2 | 0 |
| 66 | On the Forecast of the Voltage Sags Using the Measurements in Real Power Systems. , 2022, , . | | 0 |
| 67 | Optimal Siting and Sizing of Electrical Energy Storages Accounting for Voltage Dip Economic Regulation. , 2022, , . | | 0 |
| 68 | Impact of Synchronous Compensators on the Robustness in Short-Circuit Conditions of Transmission Systems with High Share of RES. , 2022, , . | | 0 |