

# Reyes S Herrera

## List of Publications by Year in descending order

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38  
papers

861  
citations

759233

12  
h-index

610901

24  
g-index

38  
all docs

38  
docs citations

38  
times ranked

637  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Instantaneous Reactive Power Theory Applied to Active Power Filter Compensation: Different Approaches, Assessment, and Experimental Results. IEEE Transactions on Industrial Electronics, 2008, 55, 184-196. | 7.9  | 293       |
| 2  | Instantaneous Reactive Power Theory: A Reference in the Nonlinear Loads Compensation. IEEE Transactions on Industrial Electronics, 2009, 56, 2015-2022.  | 7.9  | 114       |
| 3  | Instantaneous Reactive Power Theory: A Comparative Evaluation of Different Formulations. IEEE Transactions on Power Delivery, 2007, 22, 595-604.   | 4.3  | 81        |
| 4  | Distorted and Unbalanced Systems Compensation Within Instantaneous Reactive Power Framework. IEEE Transactions on Power Delivery, 2006, 21, 1655-1662.   | 4.3  | 55        |
| 5  | Easy Handling of Sensors and Actuators over TCP/IP Networks by Open Source Hardware/Software. Sensors, 2017, 17, 94.   | 3.8  | 40        |
| 6  | Present point of view about the instantaneous reactive power theory. IET Power Electronics, 2009, 2, 484-495.  | 2.1  | 36        |
| 7  | Instantaneous reactive power theory—A general approach to poly-phase systems. Electric Power Systems Research, 2009, 79, 1263-1270.  | 3.6  | 27        |
| 8  | Exploratory study of the acceptance of two individual practical classes with remote labs. European Journal of Engineering Education, 2018, 43, 278-295.  | 2.3  | 24        |
| 9  | New Distortion and Unbalance Indices Based on Power Quality Analyzer Measurements. IEEE Transactions on Power Delivery, 2009, 24, 501-507.   | 4.3  | 22        |
| 10 | A new approach for three-phase loads compensation based on the instantaneous reactive power theory. Electric Power Systems Research, 2008, 78, 605-617.  | 3.6  | 18        |
| 11 | Mapping matrices against vectorial frame in the instantaneous reactive power compensation. IET Electric Power Applications, 2007, 1, 727.  | 1.8  | 15        |
| 12 | Harmonic disturbance identification in electrical systems with capacitor banks. Electric Power Systems Research, 2012, 82, 18-26.  | 3.6  | 13        |
| 13 | Unbalance and harmonic distortion assessment in an experimental distribution network. Electric Power Systems Research, 2015, 127, 271-279.   | 3.6  | 11        |
| 14 | A Fully Integrated Open Solution for the Remote Operation of Pilot Plants. IEEE Transactions on Industrial Informatics, 2019, 15, 3943-3951.   | 11.3 | 11        |
| 15 | Identification of unbalanced loads in electric power systems. International Transactions on Electrical Energy Systems, 2014, 24, 1232-1243.  | 1.9  | 10        |
| 16 | Neuro-fuzzy control of a grid-connected photovoltaic system with power quality improvement. , 2013, , .  |      | 9         |
| 17 | A unified power quality conditioner for wide load range: Practical design and experimental results. , 2005, , .  |      | 8         |
| 18 | Exploring the usability of a remote laboratory for photovoltaic systems. IFAC-PapersOnLine, 2015, 48, 7-12.  | 0.9  | 8         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Comparing Remote Laboratories from the Student Perspective. IFAC-PapersOnLine, 2015, 48, 176-181.   | 0.9 | 8         |
| 20 | Grid-Connected PV Systems Controlled by Sliding via Wireless Communication. Energies, 2021, 14, 1931.   | 3.1 | 8         |
| 21 | Controlled and Secure Access to Promote the Industrial Internet of Things. IEEE Access, 2018, 6, 48289-48299.   | 4.2 | 7         |
| 22 | Easy and Secure Handling of Sensors and Actuators as Cloud-Based Service. IEEE Access, 2020, 8, 10433-10442.  | 4.2 | 6         |
| 23 | A New Control for a Combined System of Shunt Passive and Series Active Filters. , 2007, , .   |     | 5         |
| 24 | Instantaneous Reactive Power Theory to N Wire Systems. , 2007, , .  |     | 5         |
| 25 | Adaptive backstepping control of a DC-DC converter in photovoltaic systems. , 2013, , .   |     | 5         |
| 26 | Wireless Sliding MPPT Control of Photovoltaic Systems in Distributed Generation Systems. Energies, 2019, 12, 3226.  | 3.1 | 5         |
| 27 | Self-Tuning PLL: A New, Easy, Fast and Highly Efficient Phase-Locked Loop Algorithm. IEEE Transactions on Energy Conversion, 2022, 37, 1164-1175.                         | 5.2 | 4         |
| 28 | Practical design of a control strategy based in current and voltage detection for hybrid power filters. , 2011, , .   |     | 3         |
| 29 | Programming and testing a PLC to control a scalable industrial plant in remote way. , 2017, , .   |     | 3         |
| 30 | A practical assessment of different active power filter configurations. , 2011, , .   |     | 2         |
| 31 | Power quality evaluation indices in three-phase networks. , 2005, , .   |     | 1         |
| 32 | Distortion sources identification in power systems with capacitor banks. , 2011, , .  |     | 1         |
| 33 | Non-Linear and Unbalanced Three-Phase Load Static Compensation with Asymmetrical and Non Sinusoidal Supply. Renewable Energy and Power Quality Journal, 2004, 1, 246-251. | 0.2 | 1         |
| 34 | Assessment of harmonic distortion sources in power networks with capacitor banks. Renewable Energy and Power Quality Journal, 0, , 51-56.                                 | 0.2 | 1         |
| 35 | Complete and versatile remote controller for PV systems. International Journal of Electrical Power and Energy Systems, 2022, 142, 108324.                                 | 5.5 | 1         |
| 36 | Four Active Filter Topologies to Compensate Different Kinds of Distortion Sources. EPE Journal (European Power Electronics and Drives Journal), 2011, 21, 34-41.          | 0.7 | 0         |

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|----|--|-----|-----------|
| 37 | ANALISIS DE LAS DEFINICIONES DE DESEQUILIBRIO DE TENSION EN LOS SISTEMAS DE POTENCIA. Dyna (Spain), 2012, 87, 198-203. | 0.2 | 0         |
| 38 | Can any of the most used phase locked loop circuits be considered as the universal?., 2021, , .                        |     | 0         |