

# Kumaraguru Prabakar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3813930/publications.pdf>

Version: 2024-02-01

36  
papers

280  
citations

1937685

4  
h-index

1588992

8  
g-index

39  
all docs

39  
docs citations

39  
times ranked

264  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Distributed Power System Control Architecture for Improved Distribution System Resiliency. IEEE Access, 2019, 7, 9957-9970.	4.2	52
2	Microgrid Controllers : Expanding Their Role and Evaluating Their Performance. IEEE Power and Energy Magazine, 2017, 15, 41-49.	1.6	35
3	Development of hardware-in-the-loop microgrid testbed. , 2015, , .		27
4	Modeling and compensation design for a power hardware-in-the-loop simulation of an AC distribution system. , 2016, , .		25
5	Advanced photovoltaic inverter control development and validation in a controller-hardware-in-the-loop test bed. , 2017, , .		13
6	Development and Validation of a SiC Based 50 kW Grid-Connected PV Inverter. , 2018, , .		11
7	Improving the Performance of Integrated Power-Hardware-in-the-Loop and Quasi-Static Time-Series Simulations. IEEE Transactions on Industrial Electronics, 2021, 68, 10938-10948.	7.9	11
8	Network reduction algorithm for developing distribution feeders for real-time simulators. , 2017, , .		10
9	Development of an integrated platform for hardware-in-the-loop evaluation of microgrids prior to site commissioning. Applied Energy, 2021, 290, 116755.	10.1	10
10	Power hardware-in-the-loop evaluation of PV inverter grid support on Hawaiian electric feeders. , 2017, , .		9
11	Hardware-in-the-Loop Test Bed and Test Methodology for Microgrid Controller Evaluation. , 2018, , .		8
12	Controller-Hardware-in-the-Loop Testbed for Fast-Switching SiC-Based 50-kW PV Inverter. , 2018, , .		7
13	Conversion and Validation of Distribution System Model from a QSTS-Based Tool to a Real-Time Dynamic Phasor Simulator. , 2017, , .		6
14	Site-Specific Evaluation of Microgrid Controller Using Controller and Power-Hardware-in-the-Loop. , 2019, , .		6
15	A Multi-Site Networked Hardware-in-the-Loop Platform for Evaluation of Interoperability and Distributed Intelligence at Grid-Edge. IEEE Open Access Journal of Power and Energy, 2021, 8, 460-471.	3.4	5
16	Application of genetic algorithm for the improved performance of boost converters. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 85-90.	0.4	4
17	A study on the effect of distribution circuit loading on air conditioner motor stall using a real time simulator. , 2014, , .		4
18	Development of Application Function Blocks for Power-Hardware-in-the-Loop Testing of Grid-Connected Inverters. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	Remote Hardware-in-the-Loop Approach for Microgrid Controller Evaluation. , 2020, , .		4
20	Evaluation of Centralized Model based FLISR in a Lab Setup. , 2021, , .		4
21	Controller hardware-in-loop testbed setup for multi-objective optimization based tuning of inverter controller parameters in a microgrid setting. , 2016, , .		3
22	Aging Effect Analysis of PV Inverter Semiconductors for Ancillary Services Support. IEEE Open Journal of Industry Applications, 2020, 1, 157-170.	6.5	3
23	High-Frequency Signature-Based Fault Detection for Future MV Distribution Grids. , 2020, , .		2
24	Traveling Wave Relays for Distribution Feeder Protection with High Penetrations of Distributed Energy Resources. , 2021, , .		2
25	Power and Communications Hardware-In-the-Loop CPS Architecture and Platform for DER Monitoring and Control Applications. , 2021, , .		2
26	Enhancing distribution system resiliency using grid-forming fuel cell inverter. , 2022, , .		2
27	Experimental investigation of dry band arcing on ADSS cables when spiral vibration dampers are installed. , 2011, , .		1
28	Proportional integral controller gain tuning using real time digital simulation models and multi-objective optimization based co-simulation. IFAC-PapersOnLine, 2015, 48, 473-478.	0.9	1
29	IEEE 1547-2018 Based Interoperable PV Inverter with Advanced Grid-Support Functions. , 2019, , .		1
30	Open-source framework for data storage and visualization of real-time experiments. , 2020, , .		1
31	Quasi-Static Time Series Fatigue Simulation for PV Inverter Semiconductors with Long-Term Solar Profile. , 2021, , .		1
32	Design of an All-Dielectric Self-Supporting cable System. , 2010, , .		0
33	Association between hydrophobicity and dry band arcing on ADSS fiber optic cables and dampers. , 2012, , .		0
34	A Multi-function AAA Algorithm Applied to Frequency Dependent Line Modeling. , 2020, , .		0
35	Financial Analysis for Principal Investigators of Nonprofit Research. IEEE Engineering Management Review, 2020, 48, 17-19.	1.3	0
36	Experimental Test Bed to Enable Realistic Evaluations for Direct Transfer Trip Relaying via Private Wireless LTE Communications. , 2020, , .		0