

# Aleksandar D Dimitrovski

## List of Publications by Year in descending order

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47  
papers

1,196  
citations

623734

14  
h-index

794594

19  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1274  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Different Types of DC Bias Sources on the Effective Impedance of a CVSR. , 2022, , .		2
2	Examination of Semi-Analytical Solution Methods in the Coarse Operator of Parareal Algorithm for Power System Simulation. IEEE Transactions on Power Systems, 2021, 36, 5068-5080.	6.5	15
3	Ferromagnetic Core Reactor Modeling and Design Optimization. Advances in Science, Technology and Engineering Systems, 2021, 6, 810-818.	0.5	0
4	Gyrator-Capacitor Modeling of A Continuously Variable Series Reactor in Different Operating Modes. , 2021, , .		8
5	Comprehensive Analysis of Continuously Variable Series Reactor Using G-C Framework. , 2021, , .		4
6	Predictive and Cooperative Voltage Control with Probabilistic Load and Solar Generation Forecasting. , 2020, , .		5
7	Performance and Feature Improvements in Parareal-based Power System Dynamic Simulation. , 2020, , .		2
8	Analytical Modeling of a Gapless Ferromagnetic Core Reactor. IEEE Transactions on Magnetics, 2020, 56, 1-10.	2.1	4
9	Analytical Modeling of a Three-phase Magnetic Amplifier-based Continuously Variable Reactor. , 2020, , .		1
10	Distributed Parareal in Time with Adaptive Coarse Solver for Large Scale Power System Simulations. , 2019, , .		5
11	A Gapless Ferromagnetic Core Reactor - Magnetic Equivalent Circuit and Inductance. , 2019, , .		3
12	Analytical Modeling of A Ferromagnetic Core Reactor. , 2019, , .		5
13	Improving the Convergence Rate of Parareal-in-time Power System Simulation using the Krylov Subspace. , 2018, , .		2
14	Embedding spatial decomposition in parareal in time power system simulation. , 2018, , .		7
15	Optimal allocation of series FACTS devices in large-scale systems. IET Generation, Transmission and Distribution, 2018, 12, 1889-1896.	2.5	18
16	Large Multi-Machine Power System Simulations Using Multi-Stage Adomian Decomposition. IEEE Transactions on Power Systems, 2017, 32, 3594-3606.	6.5	28
17	Security Constrained Multi-Stage Transmission Expansion Planning Considering a Continuously Variable Series Reactor. IEEE Transactions on Power Systems, 2017, 32, 4442-4450.	6.5	53
18	Autonomous plug and play electric vehicle charging scenarios including reactive power provision: a probabilistic load flow analysis. IET Generation, Transmission and Distribution, 2017, 11, 768-775.	2.5	15

#	ARTICLE	IF	CITATIONS
19	Optimal reactive power allocation for photovoltaic inverters to limit transformer tap changes. , 2016, , .		2
20	Probabilistic load flow: A business park analysis, utilizing real world meter data. , 2016, , .		4
21	A Study of Magnetic Amplifier-based Power Flow Controller for Power System Stability Improvement. Electric Power Components and Systems, 2016, 44, 966-973.	1.8	3
22	Optimal investment on series FACTS device considering contingencies. , 2016, , .		9
23	Modeling and simulation of continuously variable series reactor for power system transient analysis. , 2016, , .		5
24	Gyrator-Capacitor Approach to Modeling a Continuously Variable Series Reactor. IEEE Transactions on Power Delivery, 2016, 31, 1223-1232.	4.3	13
25	Parareal in Time for Fast Power System Dynamic Simulations. IEEE Transactions on Power Systems, 2016, 31, 1820-1830.	6.5	58
26	Development of hardware-in-the-loop microgrid testbed. , 2015, , .		27
27	Examining the potential impact of plug-in electric vehicles on residential sector power demand. , 2015, , .		9
28	Magnetic Amplifier-Based Power-Flow Controller. IEEE Transactions on Power Delivery, 2015, 30, 1708-1714.	4.3	42
29	Application of Adomian Decomposition for multi-machine power system simulation. , 2015, , .		3
30	A Cross-Layer Defense Mechanism Against GPS Spoofing Attacks on PMUs in Smart Grids. IEEE Transactions on Smart Grid, 2015, 6, 2659-2668.	9.0	107
31	Three-phase probabilistic load flow in radial and meshed distribution networks. IET Generation, Transmission and Distribution, 2015, 9, 2743-2750.	2.5	12
32	Design and Implementation of a Real-Time Off-Grid Operation Detection Tool from a Wide-Area Measurements Perspective. IEEE Transactions on Smart Grid, 2015, 6, 2080-2087.	9.0	89
33	Design and implementation of real-time off-grid detection tool based on FNET/GridEye. , 2014, , .		2
34	A testing platform for validation of overhead conductor aging models and understanding thermal limits. , 2014, , .		1
35	Applications of saturable-core reactors (SCR) in power systems. , 2014, , .		27
36	Communication Infrastructure Design in Cyber Physical Systems with Applications in Smart Grids: A Hybrid System Framework. IEEE Communications Surveys and Tutorials, 2014, 16, 1689-1708.	39.4	73

#	ARTICLE	IF	CITATIONS
37	Data Traffic Scheduling for Cyber Physical Systems With Application in Voltage Control of Distributed Generations: A Hybrid System Framework. IEEE Systems Journal, 2014, 8, 542-552.	4.6	19
38	Time Synchronization Attack in Smart Grid: Impact and Analysis. IEEE Transactions on Smart Grid, 2013, 4, 87-98.	9.0	343
39	Combating time synchronization attack. , 2013, , .		11
40	GPS spoofing based time stamp attack on real time wide area monitoring in smart grid. , 2012, , .		2
41	Reliability engineering for wireless communications in special protection schemes of smart grid. , 2012, , .		0
42	Impact of Wind Generation Uncertainty on Generating Capacity Adequacy. , 2006, , .		12
43	Slack bus treatment in load flow solutions with uncertain nodal powers. International Journal of Electrical Power and Energy Systems, 2005, 27, 614-619.	5.5	18
44	Boundary Load Flow Solutions. IEEE Transactions on Power Systems, 2004, 19, 348-355.	6.5	88
45	Fuzzy engineering economic analysis [of electric utilities]. IEEE Transactions on Power Systems, 2000, 15, 283-289.	6.5	21
46	A new method for handling PV nodes in backward/forward power flow for radial and weakly meshed networks. , 0, , .		18
47	Market Feedback for Bounding Future Uncertainties in Power System Planning. , 0, , .		1