

SofÃ-a Avila-Becerril

List of Publications by Year in descending order

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16
papers

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1478505

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docs citations

16
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85
citing authors

#	ARTICLE	IF	CITATIONS
1	A Hamiltonian control approach for electric microgrids with dynamic power flow solution. Automatica, 2022, 139, 110192.	5.0	2
2	Control of islanded microgrids considering power converter dynamics. International Journal of Control, 2021, 94, 2520-2530.	1.9	7
3	Passivity-based control of islanded microgrids with unknown power loads. IMA Journal of Mathematical Control and Information, 2020, 37, 1548-1573.	1.7	4
4	A Droop Approach for the Passivity-based Control of Microgrids. IFAC-PapersOnLine, 2020, 53, 12962-12967.	0.9	4
5	On the Dynamic Solution of Power Flow Equations for Microgrids Control. , 2019, , .		2
6	Integración de REDs en Redes AC: una Familia de Controladores Basados en Pasividad. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2019, 16, 212.	1.0	7
7	Control of a Detailed Model of Microgrids from a Hamiltonian Approach – Part of this work was supported by DGAPA-UNAM under grant IN116516.. IFAC-PapersOnLine, 2018, 51, 187-192.	0.9	10
8	A Separation Principle for Underactuated Lossless Lagrangian Systems. IEEE Transactions on Automatic Control, 2017, 62, 5318-5323.	5.7	5
9	On the control of power flows in microgrids. , 2017, , .		4
10	On the Robustness of a Passivity-based Controller for Microgrids * *Part of this work was supported by DGAPA-UNAM under grant IN116516.. IFAC-PapersOnLine, 2017, 50, 6648-6653.	0.9	0
11	Dynamic Characterization of Typical Electrical Circuits via Structural Properties. Mathematical Problems in Engineering, 2016, 2016, 1-13.	1.1	12
12	Global position-feedback tracking control of flexible-joint robots. , 2016, , .		12
13	Stability and Consensus of Electrical Circuits via Structural Properties. IFAC-PapersOnLine, 2015, 48, 111-116.	0.9	0
14	Consensus control of flexible-joint robots. International Journal of Control, 2015, 88, 1201-1208.	1.9	18
15	Global adaptive linear control of the permanent-magnet synchronous motor. International Journal of Adaptive Control and Signal Processing, 2014, 28, 971-986.	4.1	12
16	Output-feedback global tracking control of robot manipulators with flexible joints. , 2014, , .		11