

Markus Mueller

List of Publications by Year in descending order

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31
papers

922
citations

623734

14
h-index

580821

25
g-index

32
all docs

32
docs citations

32
times ranked

1066
citing authors

#	ARTICLE	IF	CITATIONS
1	A Numerical and Graphical Review of Energy Storage Technologies. <i>Energies</i> , 2015, 8, 172-216.	3.1	219
2	Wave energy converter control by wave prediction and dynamic programming. <i>Renewable Energy</i> , 2012, 48, 392-403.	8.9	136
3	Funnel Control for Systems with Relative Degree Two. <i>SIAM Journal on Control and Optimization</i> , 2013, 51, 965-995.	2.1	95
4	Time-Varying Linear Systems: Relative Degree and Normal Form. <i>IEEE Transactions on Automatic Control</i> , 2007, 52, 840-851.	5.7	85
5	Convergent systems vs. incremental stability. <i>Systems and Control Letters</i> , 2013, 62, 277-285.	2.3	67
6	Alternating Current Loss of Superconductors Applied to Superconducting Electrical Machines. <i>Energies</i> , 2021, 14, 2234.	3.1	34
7	Normal form for linear systems with respect to its vector relative degree. <i>Linear Algebra and Its Applications</i> , 2009, 430, 1292-1312.	0.9	31
8	Optimisation tools for large permanent magnet generators for direct drive wind turbines. <i>IET Renewable Power Generation</i> , 2013, 7, 163-171.	3.1	27
9	Changes in Domestic Energy and Water Usage during the UK COVID-19 Lockdown Using High-Resolution Temporal Data. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6818.	2.6	26
10	Introducing a localised spatio-temporal LCI method with wheat production as exploratory case study. <i>Journal of Cleaner Production</i> , 2017, 140, 492-501.	9.3	25
11	Comparative assessment of control strategies for the biradial turbine in the Mutriku OWC plant. <i>Renewable Energy</i> , 2020, 146, 2766-2784.	8.9	24
12	Robust Stabilization by Linear Output Delay Feedback. <i>SIAM Journal on Control and Optimization</i> , 2009, 48, 2533-2561.	2.1	23
13	High Temperature Superconducting Flux Pumps for Contactless Energization. <i>Crystals</i> , 2022, 12, 766.	2.2	20
14	Modelling mould growth in domestic environments using relative humidity and temperature. <i>Building and Environment</i> , 2022, 208, 108583.	6.9	14
15	Simple Adaptive Control for Positive Linear Systems with Applications to Pest Management. <i>SIAM Journal on Applied Mathematics</i> , 2016, 76, 238-275.	1.8	11
16	Linear generator for direct drive wave energy applications. , 2010, , .		9
17	Fostering Engagement With Health and Housing Innovation: Development of Participant Personas in a Social Housing Cohort. <i>JMIR Public Health and Surveillance</i> , 2021, 7, e25037.	2.6	9
18	Robustness of λ -Tracking in the Gap Metric. <i>SIAM Journal on Control and Optimization</i> , 2008, 47, 2724-2744.	2.1	8

#	ARTICLE	IF	CITATIONS
19	Robustness of Funnel Control in the Gap Metric. SIAM Journal on Control and Optimization, 2010, 48, 3169-3190.	2.1	8
20	Introduction of a spatiotemporal Life Cycle Inventory method using a wind energy example. Energy Procedia, 2017, 142, 3035-3040.	1.8	8
21	Modular and stackable power generators for efficient renewable power generation. IET Renewable Power Generation, 2019, 13, 2774-2782.	3.1	7
22	Demarcation Currents and Corner Field for Dynamic Resistance of HTS-Coated Conductors. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	7
23	Inferring transient dynamics of human populations from matrix non-normality. Population Ecology, 2018, 60, 185-196.	1.2	6
24	Robust set-point regulation for ecological models with multiple management goals. Journal of Mathematical Biology, 2016, 72, 1467-1529.	1.9	5
25	Mass reduction of superconducting power generators for large wind turbines. Journal of Engineering, 2019, 2019, 3972-3975.	1.1	5
26	Determinants of Volunteering Within a Social Housing Community. Voluntas, 2022, 33, 188-200.	1.7	5
27	A Smart Energy Management System for Battery-Supercapacitor in Electric Vehicles based on the Discrete Wavelet Transform and Deep Learning. , 2020, , .		3
28	Robustness of λ -tracking and funnel control in the gap metric. , 2009, , .		2
29	Impact of varying clearances for the Wells turbine on heat transfer from electrical generators in oscillating water columns. , 2013, , .		2
30	Research within the EPSRC supergen marine energy consortium and the UKERC R&D roadmap for wave and tidal current energy. , 2009, , .		1
31	Robustness of funnel control in the gap metric. , 2010, , .		0