Joel A Rosenfeld

List of Publications by Year
in descending order

33	418	932766	839053
papers	citations	10	18
		h-index	g-index

35	35	35	247
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fractional Order System Identification With Occupation Kernel Regression. , 2022, 6, 19-24.		2
2	Liouville operators over the Hardy space. Journal of Mathematical Analysis and Applications, 2022, 508, 125854.	0.5	1
3	Dynamic Mode Decomposition for Continuous Time Systems with the Liouville Operator. Journal of Nonlinear Science, 2022, 32, 1.	1.0	9
4	Motion tomography via occupation kernels. Journal of Computational Dynamics, 2022, 9, 27.	0.4	2
5	The gradient descent method from the perspective of fractional calculus. Mathematical Methods in the Applied Sciences, 2021, 44, 5520-5547.	1.2	3
6	Weighted Composition Operators on the Mittag-Leffler Spaces of Entire Functions. Complex Analysis and Operator Theory, 2021, 15, 1.	0.3	0
7	Dynamic Mode Decomposition with Control Liouville Operators. IFAC-PapersOnLine, 2021, 54, 707-712.	0.5	10
8	On Occupation Kernels, Liouville Operators, and Dynamic Mode Decomposition. , 2021, , .		1
9	Fractional Order System Identification with Occupation Kernel Regression. , 2021, , .		1
10	Convergence rate estimates for the kernelized predictor corrector method for fractional order initial value problems. Fractional Calculus and Applied Analysis, 2021, 24, 1879-1898.	1.2	0
11	Approximate Optimal Motion Planning to Avoid Unknown Moving Avoidance Regions. IEEE Transactions on Robotics, 2020, 36, 414-430.	7.3	15
12	Invariance-Like Results for Nonautonomous Switched Systems. IEEE Transactions on Automatic Control, 2019, 64, 614-627.	3.6	30
13	A mesh-free pseudospectral approach to estimating the fractional Laplacian via radial basis functions. Journal of Computational Physics, 2019, 390, 306-322.	1.9	14
14	Occupation Kernels and Densely Defined Liouville Operators for System Identification. , 2019, , .		6
15	The State Following Approximation Method. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1716-1730.	7.2	12
16	The Mittag Leffler reproducing kernel Hilbert spaces of entire and analytic functions. Journal of Mathematical Analysis and Applications, 2018, 463, 576-592.	0.5	13
17	Approximate Dynamic Programming: Combining Regional and Local State Following Approximations. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2154-2166.	7.2	23
18	Reinforcement Learning for Optimal Feedback Control. Communications and Control Engineering, 2018, , .	1.0	87

#	Article	IF	Citations
19	Approximate Dynamic Programming. Communications and Control Engineering, 2018, , 17-42.	1.0	0
20	Model-Based Reinforcement Learning for Approximate Optimal Control. Communications and Control Engineering, 2018, , 99-148.	1.0	3
21	Excitation-Based Online Approximate Optimal Control. Communications and Control Engineering, 2018, , 43-98.	1.0	0
22	Differential Graphical Games. Communications and Control Engineering, 2018, , 149-193.	1.0	2
23	Computational Considerations. Communications and Control Engineering, 2018, , 227-263.	1.0	0
24	Reachable Set Estimation and Safety Verification for Piecewise Linear Systems with Neural Network Controllers. , 2018, , .		39
25	Online Approximate Optimal Path-Planner in the Presence of Mobile Avoidance Regions. , 2018, , .		2
26	Approximating the Caputo Fractional Derivative through the Mittag-Leffler Reproducing Kernel Hilbert Space and the Kernelized Adams--Bashforth--Moulton Method. SIAM Journal on Numerical Analysis, 2017, 55, 1201-1217.	1.1	18
27	The Sarason sub-symbol and the recovery of the symbol of densely defined Toeplitz operators over the Hardy space. Journal of Mathematical Analysis and Applications, 2016, 440, 911-921.	0.5	4
28	Efficient model-based reinforcement learning for approximate online optimal control. Automatica, 2016, 74, 247-258.	3.0	71
29	State following (StaF) kernel functions for function approximation part II: Adaptive dynamic programming. , 2015, , .		10
30	State following (StaF) kernel functions for function approximation Part I: Theory and motivation. , 2015, , .		8
31	Introducing the Polylogarithmic Hardy Space. Integral Equations and Operator Theory, 2015, 83, 589-600.	0.4	4
32	Densely Defined Multiplication on Several Sobolev Spaces of a Single Variable. Complex Analysis and Operator Theory, 2015, 9, 1303-1309.	0.3	5
33	Decentralized formation control with connectivity maintenance and collision avoidance under limited and intermittent sensing. , 2014, , .		23