

Joel A Rosenfeld

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

418
citations

932766

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839053

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35
all docs

35
docs citations

35
times ranked

247
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Reinforcement Learning for Optimal Feedback Control. Communications and Control Engineering, 2018, , . | 1.0 | 87 |
| 2 | Efficient model-based reinforcement learning for approximate online optimal control. Automatica, 2016, 74, 247-258. | 3.0 | 71 |
| 3 | Reachable Set Estimation and Safety Verification for Piecewise Linear Systems with Neural Network Controllers. , 2018, , . | | 39 |
| 4 | Invariance-Like Results for Nonautonomous Switched Systems. IEEE Transactions on Automatic Control, 2019, 64, 614-627. | 3.6 | 30 |
| 5 | Decentralized formation control with connectivity maintenance and collision avoidance under limited and intermittent sensing. , 2014, , . | | 23 |
| 6 | 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 |
| 7 | 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 |
| 8 | Approximate Optimal Motion Planning to Avoid Unknown Moving Avoidance Regions. IEEE Transactions on Robotics, 2020, 36, 414-430. | 7.3 | 15 |
| 9 | 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 |
| 10 | 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 |
| 11 | The State Following Approximation Method. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1716-1730. | 7.2 | 12 |
| 12 | State following (StaF) kernel functions for function approximation part II: Adaptive dynamic programming. , 2015, , . | | 10 |
| 13 | Dynamic Mode Decomposition with Control Liouville Operators. IFAC-PapersOnLine, 2021, 54, 707-712. | 0.5 | 10 |
| 14 | Dynamic Mode Decomposition for Continuous Time Systems with the Liouville Operator. Journal of Nonlinear Science, 2022, 32, 1. | 1.0 | 9 |
| 15 | State following (StaF) kernel functions for function approximation Part I: Theory and motivation. , 2015, , . | | 8 |
| 16 | Occupation Kernels and Densely Defined Liouville Operators for System Identification. , 2019, , . | | 6 |
| 17 | Densely Defined Multiplication on Several Sobolev Spaces of a Single Variable. Complex Analysis and Operator Theory, 2015, 9, 1303-1309. | 0.3 | 5 |
| 18 | Introducing the Polylogarithmic Hardy Space. Integral Equations and Operator Theory, 2015, 83, 589-600. | 0.4 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | The Sarason sub-symbol and the recovery of the symbol of densely defined Toeplitz operators over the Hardy space. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 440, 911-921. | 0.5 | 4 |
| 20 | Model-Based Reinforcement Learning for Approximate Optimal Control. <i>Communications and Control Engineering</i> , 2018, , 99-148. | 1.0 | 3 |
| 21 | The gradient descent method from the perspective of fractional calculus. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 5520-5547. | 1.2 | 3 |
| 22 | Differential Graphical Games. <i>Communications and Control Engineering</i> , 2018, , 149-193. | 1.0 | 2 |
| 23 | Online Approximate Optimal Path-Planner in the Presence of Mobile Avoidance Regions. , 2018, , . | | 2 |
| 24 | Fractional Order System Identification With Occupation Kernel Regression. , 2022, 6, 19-24. | | 2 |
| 25 | Motion tomography via occupation kernels. <i>Journal of Computational Dynamics</i> , 2022, 9, 27. | 0.4 | 2 |
| 26 | On Occupation Kernels, Liouville Operators, and Dynamic Mode Decomposition. , 2021, , . | | 1 |
| 27 | Fractional Order System Identification with Occupation Kernel Regression. , 2021, , . | | 1 |
| 28 | Liouville operators over the Hardy space. <i>Journal of Mathematical Analysis and Applications</i> , 2022, 508, 125854. | 0.5 | 1 |
| 29 | Approximate Dynamic Programming. <i>Communications and Control Engineering</i> , 2018, , 17-42. | 1.0 | 0 |
| 30 | Excitation-Based Online Approximate Optimal Control. <i>Communications and Control Engineering</i> , 2018, , 43-98. | 1.0 | 0 |
| 31 | Computational Considerations. <i>Communications and Control Engineering</i> , 2018, , 227-263. | 1.0 | 0 |
| 32 | Weighted Composition Operators on the Mittag-Leffler Spaces of Entire Functions. <i>Complex Analysis and Operator Theory</i> , 2021, 15, 1. | 0.3 | 0 |
| 33 | Convergence rate estimates for the kernelized predictor corrector method for fractional order initial value problems. <i>Fractional Calculus and Applied Analysis</i> , 2021, 24, 1879-1898. | 1.2 | 0 |