

# Applied Koopmanism

Chaos

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Introduction to the focus issue: Fifty years of chaos: Applied and theoretical. Chaos, 2012, 22, 047501.	1.0	12
2	Optimal mode decomposition for unsteady flows. Journal of Fluid Mechanics, 2013, 733, 473-503.	1.4	128
3	New Lagrangian diagnostics for characterizing fluid flow mixing. Physics of Fluids, 2014, 26, .	1.6	19
4	Global Isochrons and Phase Sensitivity of Bursting Neurons. SIAM Journal on Applied Dynamical Systems, 2014, 13, 306-338.	0.7	20
5	Contraction theory on Riemannian manifolds. Systems and Control Letters, 2014, 65, 74-80.	1.3	52
6	Nonlinear Koopman Modes and Power System Stability Assessment Without Models. IEEE Transactions on Power Systems, 2014, 29, 899-907.	4.6	100
7	Spectral analysis of point-vortex dynamics: first application to vortex polygons in a circular domain. Fluid Dynamics Research, 2014, 46, 031402.	0.6	2
8	A boundary integral formalism for stochastic ray tracing in billiards. Chaos, 2014, 24, 043137.	1.0	12
9	Identifying finite-time coherent sets from limited quantities of Lagrangian data. Chaos, 2015, 25, 087408.	1.0	28
10	Thirty years of turnstiles and transport. Chaos, 2015, 25, 097602.	1.0	80
11	Ergodic theory and visualization. II. Fourier mesochronic plots visualize (quasi)periodic sets. Chaos, 2015, 25, 053105.	1.0	9
12	Experimental studies of coherent structures in an advection-reaction-diffusion system. Chaos, 2015, 25, 087403.	1.0	16
13	A Data-Driven Approximation of the Koopman Operator: Extending Dynamic Mode Decomposition. Journal of Nonlinear Science, 2015, 25, 1307-1346.	1.0	1,044
14	Multi-Way Partitioning of Power Networks via Koopman Mode Analysis. IFAC-PapersOnLine, 2015, 48, 421-426.	0.5	2
15	A prony approximation of Koopman Mode Decomposition. , 2015, , .		47
16	On applications of the spectral theory of the Koopman operator in dynamical systems and control theory. , 2015, , .		19
17	Koopman operator based nonlinear dynamic textures. , 2015, , .		6
18	Closed-Loop Turbulence Control: Progress and Challenges. Applied Mechanics Reviews, 2015, 67, .	4.5	369

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19	Data-driven non-Markovian closure models. <i>Physica D: Nonlinear Phenomena</i> , 2015, 297, 33-55.	1.3	89
20	Data fusion via intrinsic dynamic variables: An application of data-driven Koopman spectral analysis. <i>Europhysics Letters</i> , 2015, 109, 40007.	0.7	38
21	Hypersonic Boundary-Layer Transition Tripped by Wall Injection: Global Mode Analysis. , 2015, , .		1
22	Koopman Invariant Subspaces and Finite Linear Representations of Nonlinear Dynamical Systems for Control. <i>PLoS ONE</i> , 2016, 11, e0150171.	1.1	325
23	Including inputs and control within equation-free architectures for complex systems. <i>European Physical Journal: Special Topics</i> , 2016, 225, 2413-2434.	1.2	6
24	On Comparison of Dynamics of Dissipative and Finite-Time Systems Using Koopman Operator Methods**The funding provided by ARO Grant W911NF-11-1-0511.. <i>IFAC-PapersOnLine</i> , 2016, 49, 454-461.	0.5	6
25	Koopman Mode Decomposition for Periodic/Quasi-periodic Time Dependence**The funding provided by UTRC is greatly appreciated.. <i>IFAC-PapersOnLine</i> , 2016, 49, 690-697.	0.5	13
26	Extending Data-Driven Koopman Analysis to Actuated Systems. <i>IFAC-PapersOnLine</i> , 2016, 49, 704-709.	0.5	93
27	Linear observer synthesis for nonlinear systems using Koopman Operator framework. <i>IFAC-PapersOnLine</i> , 2016, 49, 716-723.	0.5	116
28	Sparse Identification of Nonlinear Dynamics with Control (SINDYC)**SLB acknowledges support from the U.S. Air Force Center of Excellence on Nature Inspired Flight Technologies and Ideas (FA9550-14-1-0398). JLP thanks Bill and Melinda Gates for their active support of the Institute of Disease Modeling and their sponsorship through the Global Good Fund. JNK acknowledges support from the U.S. Air Force Office of Scientific Research (FA9550-09-1-0174). <i>IFAC-PapersOnLine</i> , 2016, 49, 710-715.	0.5	139
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33	Koopman mode analysis of power systems oscillations. , 2016, , .		3
34	Monotonicity of actuated flows on dissipative transport networks. , 2016, , .		7
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36	Polar rotation angle identifies elliptic islands in unsteady dynamical systems. <i>Physica D: Nonlinear Phenomena</i> , 2016, 315, 1-12.	1.3	26

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46	Dynamics of robust structures in turbulent swirling reacting flows. <i>Journal of Fluid Mechanics</i> , 2017, 816, 554-585.	1.4	42
47	Dimension Reduction for Systems with Slow Relaxation. <i>Journal of Statistical Physics</i> , 2017, 167, 892-933.	0.5	5
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