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307	Reflection, transmutation, annihilation, and resonance in two-component kink collisions. 2018, 97,	30
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295	An Efficient Algorithm for Self-consistent Field Theory Calculations of Complex Self-assembled Structures of Block Copolymer Melts. <b>2018</b> , 36, 488-496	1
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292	Numerical Modeling and Simulation of Combustion Phenomena Related to Thermal Ignition and Flame Fronts. <b>2018</b> , 15, 1750074	
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### (2018-2018)

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284	Symmetric and arbitrarily high-order BirkhoffHermite time integrators and their long-time behaviour for solving nonlinear KleinLordon equations. <b>2018</b> , 356, 1-30	29
283	Modeling ultrashort electromagnetic pulses with a generalized Kadomtsev <b>P</b> etviashvili equation. <b>2018</b> , 366, 51-58	4
282	Nonlinear wave damping due to multi-plasmon resonances. <b>2018</b> , 60, 025009	5
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270	Stimulated generation: extraction of energy from balanced flow by near-inertial waves. <b>2018</b> , 847, 417-451	32
269	A spectral method for nonlocal diffusion operators on the sphere. <b>2018</b> , 372, 893-911	8
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241	A fast compact time integrator method for a family of general order semilinear evolution equations. <b>2019</b> , 393, 313-336	4
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238	Exponential integrators with parallel-in-time rational approximations for the shallow-water equations on the rotating sphere. <b>2019</b> , 85, 56-65	10
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230	Data-Driven Dynamical Systems. <b>2019</b> , 229-275	1
229	Linear Control Theory. <b>2019</b> , 276-320	1
228	Balanced Models for Control. <b>2019</b> , 321-344	
227	Data-Driven Control. <b>2019</b> , 345-372	О
226	Reduced Order Models (ROMs). <b>2019</b> , 375-402	O
225	Interpolation for Parametric ROMs. <b>2019</b> , 403-435	
224	Glossary. <b>2019</b> , 436-442	
223	Bibliography. <b>2019</b> , 443-470	
222	Index. <b>2019</b> , 471-472	
221	Incorporating Surface Stress in Computations of Heteroepitaxial Quantum Dot Morphology. <b>2019</b> , 256, 1800530	1
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218	Preface. <b>2019</b> , ix-xii	
217	Singular Value Decomposition (SVD). <b>2019</b> , 3-46	2
216	Fourier and Wavelet Transforms. <b>2019</b> , 47-83	O
215	Sparsity and Compressed Sensing. <b>2019</b> , 84-114	1
214	Regression and Model Selection. <b>2019</b> , 117-153	O

213 Clustering and Classification. 2019, 154-194

212	Neural Networks and Deep Learning. <b>2019</b> , 195-226	
211	A self-similarity principle for the computation of rare event probability. <b>2019</b> , 52, 495701	2
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### (2020-2020)

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166	Transverse dynamics of vector solitons in defocusing nonlocal media. <b>2020</b> , 135, 1	1
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139	Computational analysis of different Pseudoplatystoma species patterns the Caputo-Fabrizio derivative. <b>2021</b> , 144, 110675	2
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135	Spatially Quasi-Periodic Water Waves of Infinite Depth. <b>2021</b> , 31, 1	4
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130	Using data assimilation to train a hybrid forecast system that combines machine-learning and knowledge-based components. <b>2021</b> , 31, 053114	6
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124	Predicting high-dimensional heterogeneous time series employing generalized local states. 2021, 3,	2

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121	Numerical simulation of shallow water waves based on generalized equal width (GEW) equation by compact local integrated radial basis function method combined with adaptive residual subsampling technique. <b>2021</b> , 105, 3359-3391	1
120	Explicit high-order energy-preserving exponential time differencing method for nonlinear Hamiltonian PDEs. <b>2021</b> , 404, 126208	O
119	Higher dimensional generalization of the Benjamin-Ono equation: 2D case.	O
118	Learning a reduced basis of dynamical systems using an autoencoder. <b>2021</b> , 104, 034202	1
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114	Energy-preserving exponential integrators of arbitrarily high order for conservative or dissipative systems with highly oscillatory solutions. <b>2021</b> , 442, 110429	2
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49	An Approximate Inertial Manifold (Aim) Based Closure for Turbulent Flows.		
48	Multiscale simulations of complex systems by learning their effective dynamics.		4
47	Shock trace prediction by reduced models for a viscous stochastic Burgers equation <b>2022</b> , 32, 043109		2
46	A meshless two-stage scheme for the fifth-order dispersive models in the science of waves on water. <b>2022</b> , 250, 111014		O
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43	Complex network analysis of spatiotemporal dynamics of premixed flame in a Hele-Shaw cell: A transition from chaos to stochastic state <b>2021</b> , 31, 123133		O
42	Long-wave equation for a confined ferrofluid interface: periodic interfacial waves as dissipative solitons. <b>2021</b> , 477,		1
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10	Well-posedness and dynamics of solutions to the generalized KdV with low power nonlinearity. <b>2023</b> , 36, 584-635	O
9	Complex Turing patterns in chaotic dynamics of autocatalytic reactions with the Caputo fractional derivative.	O
8	Synchronization of spatiotemporal chaos and reservoir computing via scalar signals. <b>2023</b> , 169, 113314	O
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5	Exploiting Kronecker structure in exponential integrators: Fast approximation of the action of Efunctions of matrices via quadrature. <b>2023</b> , 67, 101966	O
4	Using machine learning to anticipate tipping points and extrapolate to post-tipping dynamics of non-stationary dynamical systems. <b>2023</b> , 33, 023143	O
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