Panayotis G Kevrekidis

List of Publications by Year in descending order

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522 papers 15,704 citations

19608 61 h-index 97 g-index

527 all docs

527 docs citations

527 times ranked

4043 citing authors

| # | Article | IF | CITATIONS |
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| 1 | THE DISCRETE NONLINEAR SCHRÃ-DINGER EQUATION: A SURVEY OF RECENT RESULTS. International Journal of Modern Physics B, 2001, 15, 2833-2900. | 1.0 | 345 |
| 2 | The Discrete Nonlinear SchrĶdinger Equation. Springer Tracts in Modern Physics, 2009, , . | 0.1 | 309 |
| 3 | Dynamical Superfluid-Insulator Transition in a Chain of Weakly Coupled Bose-Einstein Condensates. Physical Review Letters, 2002, 89, 170402. | 2.9 | 297 |
| 4 | Nonlinear waves in Bose–Einstein condensates: physical relevance and mathematical techniques. Nonlinearity, 2008, 21, R139-R202. | 0.6 | 279 |
| 5 | Experimental Observation of Oscillating and Interacting Matter Wave Dark Solitons. Physical Review Letters, 2008, 101, 130401. | 2.9 | 252 |
| 6 | Feshbach Resonance Management for Bose-Einstein Condensates. Physical Review Letters, 2003, 90, 230401. | 2.9 | 246 |
| 7 | Discrete Breathers in One-Dimensional Diatomic Granular Crystals. Physical Review Letters, 2010, 104, 244302. | 2.9 | 224 |
| 8 | Wannier functions analysis of the nonlinear SchrĶdinger equation with a periodic potential. Physical Review E, 2002, 66, 046608. | 0.8 | 209 |
| 9 | Ring Dark Solitons and Vortex Necklaces in Bose-Einstein Condensates. Physical Review Letters, 2003, 90, 120403. | 2.9 | 173 |
| 10 | PATTERN FORMING DYNAMICAL INSTABILITIES OF BOSE–EINSTEIN CONDENSATES. Modern Physics Letters B, 2004, 18, 173-202. | 1.0 | 171 |
| 11 | Nonequilibrium Dynamics and Superfluid Ring Excitations in Binary Bose-Einstein Condensates. Physical Review Letters, 2007, 99, 190402. | 2.9 | 171 |
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| 13 | Counting eigenvalues via the Krein signature in infinite-dimensional Hamiltonian systems. Physica D: Nonlinear Phenomena, 2004, 195, 263-282. | 1.3 | 150 |
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| 15 | mathvariant="script">PTphase transitions. Physical Review A, 2012, 86, . Characteristics of Two-Dimensional Quantum Turbulence in a Compressible Superfluid. Physical Review Letters, 2013, 111, 235301. | 2.9 | 141 |
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| 17 | Stability of discrete solitons in nonlinear SchrĶdinger lattices. Physica D: Nonlinear Phenomena, 2005, 212, 1-19. | 1.3 | 137 |
| 18 | Solitons in coupled nonlinear SchrĶdinger models: A survey of recent developments. Reviews in Physics, 2016, 1, 140-153. | 4.4 | 134 |

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| 20 | Bright-dark soliton complexes in spinor Bose-Einstein condensates. Physical Review A, 2008, 77, . | 1.0 | 133 |
| 21 | The Defocusing Nonlinear Schrödinger Equation. , 2015, , . | | 130 |
| 22 | Observation of Discrete Solitons and Soliton Rotation in Optically Induced Periodic Ring Lattices. Physical Review Letters, 2006, 96, 083904. | 2.9 | 129 |
| 23 | Matter-wave solitons of collisionally inhomogeneous condensates. Physical Review A, 2005, 72, . | 1.0 | 126 |
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| 26 | Origami-based impact mitigation via rarefaction solitary wave creation. Science Advances, 2019, 5, eaau2835. | 4.7 | 113 |
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| 31 | Spontaneous symmetry breaking in photonic lattices: Theory and experiment. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 340, 275-280. | 0.9 | 105 |
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| 41 | Three-Component Soliton States in Spinor <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>F</mml:mi><mml:mo>=</mml:mo><mml:mn>1</mml:mn></mml:math> Bose-Einstein Condensates, Physical Review Letters, 2018, 120, 063202. | 2.9 | 89 |
| 42 | VORTICES IN BOSE–EINSTEIN CONDENSATES: SOME RECENT DEVELOPMENTS. Modern Physics Letters B, 2004, 18, 1481-1505. | 1.0 | 85 |
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| 107 | Vortex–bright-soliton dipoles: Bifurcations, symmetry breaking, and soliton tunneling in a vortex-induced double well. Physical Review A, 2012, 86, . | 1.0 | 40 |
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