

Hadi Susanto

List of Publications by Year in descending order

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53
papers

625
citations

623188

14
h-index

676716

22
g-index

53
all docs

53
docs citations

53
times ranked

454
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of Evanescently-Coupled Laser Pairs With Unequal Pumping: Analysis Using a Three-Variable Reduction of the Coupled Rate Equations. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-9.	1.9	4
2	A new estimation method for COVID-19 time-varying reproduction number using active cases. Scientific Reports, 2022, 12, 6675.	1.6	16
3	The Overlap Factor Model of Spin-Polarised Coupled Lasers. Photonics, 2021, 8, 83.	0.9	1
4	Embedded solitons in second-harmonic-generating lattices. Chaos, Solitons and Fractals, 2021, 142, 110534.	2.5	27
5	Reduction of a damped, driven Klein-Gordon equation into a discrete nonlinear Schrödinger equation: Justification and numerical comparison. Asymptotic Analysis, 2020, 120, 73-86.	0.2	2
6	Addendum: Susanto, H.; Karjanto, N.; Zulkarnain; Nusantara, T.; Widjanarko, T. Soliton and Breather Splitting on Star Graphs from Tricrystal Josephson Junctions. Symmetry 2019, 11, 271. Symmetry, 2020, 12, 1151.	1.1	0
7	Symmetry breaking bifurcations in the NLS equation with an asymmetric delta potential. Nonlinear Dynamics, 2020, 100, 3815-3824.	2.7	5
8	Dynamics of Laterally-Coupled Pairs of Spin-VCSELs. IEEE Journal of Quantum Electronics, 2020, 56, 1-10.	1.0	5
9	Superspreading in early transmissions of COVID-19 in Indonesia. Scientific Reports, 2020, 10, 22386.	1.6	28
10	Stability Boundaries in Laterally-Coupled Pairs of Semiconductor Lasers. Photonics, 2019, 6, 74.	0.9	6
11	Soliton and Breather Splitting on Star Graphs from Tricrystal Josephson Junctions. Symmetry, 2019, 11, 271.	1.1	8
12	Variational approximations of soliton dynamics in the Ablowitz-Musslimani nonlinear Schrödinger equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2039-2045.	0.9	6
13	Rayleigh-Ritz approximation for the stability of localised waves. AIP Conference Proceedings, 2019, , .	0.3	0
14	Algebraic expressions for the polarisation response of spin-VCSELs. Semiconductor Science and Technology, 2018, 33, 064002.	1.0	15
15	Variational approximations using Gaussian ansatz, false instability, and its remedy in nonlinear Schrödinger lattices. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 475202.	0.7	7
16	Band-gaps in long Josephson junctions with periodic phase-shifts. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1181-1191.	0.9	2
17	Stability Analysis of Quantum-Dot Spin-VCSELs. Electronics (Switzerland), 2016, 5, 83.	1.8	15
18	Bright Solitons in aPT-Symmetric Chain of Dimers. Advances in Mathematical Physics, 2016, 2016, 1-12.	0.4	4

#	ARTICLE	IF	CITATIONS
19	Superfluid flow past an obstacle in annular Bose-Einstein condensates. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 235301.	0.6	9
20	Travelling waves in nonlinear magneto-inductive lattices. Journal of Differential Equations, 2016, 260, 1717-1746.	1.1	5
21	Decay of bound states in a sine-Gordon equation with double-well potentials. Journal of Mathematical Physics, 2015, 56, 051502.	0.5	8
22	A versatile all-optical parity-time signal processing device using a Bragg grating induced using positive and negative Kerr-nonlinearity. Optical and Quantum Electronics, 2015, 47, 37-47.	1.5	15
23	Dynamics of generalized PT-symmetric dimers with time-periodic gain-loss. Nonlinear Dynamics, 2015, 81, 353-371.	2.7	8
24	Impact of dispersive and saturable gain/loss on bistability of nonlinear parity-time Bragg gratings. Optics Letters, 2014, 39, 2603.	1.7	36
25	Bifurcation Results for Traveling Waves in Nonlinear Magnetic Metamaterials. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450147.	0.7	4
26	An Instability Criterion for Nonlinear Standing Waves on Nonzero Backgrounds. Journal of Nonlinear Science, 2014, 24, 1177-1196.	1.0	6
27	Periodic Travelling Waves of Forced FPU Lattices. Journal of Dynamics and Differential Equations, 2013, 25, 795-820.	1.0	8
28	Stability of stationary fronts in a non-linear wave equation with spatial inhomogeneity. Journal of Differential Equations, 2013, 254, 408-468.	1.1	14
29	Rapidly oscillating ac-driven long Josephson junctions with phase-shifts. Physica D: Nonlinear Phenomena, 2013, 246, 15-22.	1.3	7
30	Ultrafast optical switching using parity-time symmetric Bragg gratings. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2984.	0.9	39
31	Pinned fluxons in a Josephson junction with a finite-length inhomogeneity. European Journal of Applied Mathematics, 2012, 23, 201-244.	1.4	14
32	Unstable gap solitons in inhomogeneous nonlinear Schrödinger equations. Journal of Differential Equations, 2012, 253, 1191-1205.	1.1	15
33	Breathing Modes of Long Josephson Junctions with Phase-Shifts. SIAM Journal on Applied Mathematics, 2011, 71, 242-269.	0.8	13
34	Localized standing waves in inhomogeneous Schrödinger equations. Nonlinearity, 2010, 23, 2059-2080.	0.6	19
35	Existence and stability analysis of semifluxons in disk-shaped two-dimensional $\hat{H} = \int dx \left[\frac{1}{2} \psi^\dagger (-i \partial_x) \psi + \frac{1}{2} \psi^\dagger \psi^2 \right]$ junctions. Physical Review B, 2010, 82, .	1.1	2
36	Localized mode interactions in $\hat{H} = \int dx \left[\frac{1}{2} \psi^\dagger (-i \partial_x) \psi + \frac{1}{2} \psi^\dagger \psi^2 \right]$ junctions. Physical Review B, 2010, 82, .		

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37	Existence and stability analysis of finite Josephson junctions. <i>Physical Review B</i> , 2009, 80, .	1.1	3
38	Discrete breathers in a two-dimensional spring-mass lattice. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 355207.	0.7	17
39	Interlaced solitons and vortices in coupled DNLS lattices. <i>Physica D: Nonlinear Phenomena</i> , 2009, 238, 2216-2226.	1.3	8
40	Newton's method's basins of attraction revisited. <i>Applied Mathematics and Computation</i> , 2009, 215, 1084-1090.	1.4	29
41	Few-Lattice-Site Systems of Discrete Self-Trapping Equations. <i>Springer Tracts in Modern Physics</i> , 2009, , 249-257.	0.1	0
42	Effects of time-periodic linear coupling on two-component Bose-Einstein condensates in two dimensions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 1631-1638.	0.9	12
43	Dipole and quadrupole solitons in optically-induced two-dimensional defocusing photonic lattices. <i>Physica D: Nonlinear Phenomena</i> , 2008, 237, 3123-3134.	1.3	17
44	Self-trapping of optical vortices in waveguide lattices with a self-defocusing nonlinearity. <i>Optics Express</i> , 2008, 16, 10110.	1.7	24
45	CALCULATED THRESHOLD OF SUPRATRANSMISSION PHENOMENA IN WAVEGUIDE ARRAYS WITH SATURABLE NONLINEARITY. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2008, 17, 159-165.	1.1	28
46	Observation of dipole-like gap solitons in self-defocusing waveguide lattices. <i>Optics Letters</i> , 2007, 32, 3011.	1.7	22
47	Stability Analysis of Kinks in a Josephson Junction. <i>SIAM Journal on Applied Dynamical Systems</i> , 2007, 6, 99-141.	0.7	12
48	Mobility of Discrete Solitons in Quadratically Nonlinear Media. <i>Physical Review Letters</i> , 2007, 99, 214103.	2.9	40
49	Static and dynamic properties of fluxons in a zig-zag Josephson junction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 361, 270-276.	0.9	8
50	Localized modes and phonon scattering of a lattice kink. <i>Physical Review E</i> , 2006, 73, 026608.	0.8	4
51	SEMIFLUXONS IN A LONG JOSEPHSON JUNCTION WITH A DISCONTINUITY POINT. , 2005, , .		0
52	Existence and stability analysis of solitary waves in a tricrystal junction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 338, 239-246.	0.9	10
53	Discrete dark solitons with multiple holes. <i>Physical Review E</i> , 2005, 72, 016605.	0.8	15