

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	Mobility of Discrete Solitons in Quadratically Nonlinear Media. <i>Physical Review Letters</i> , 2007, 99, 214103.	2.9	40
2	Ultrafast optical switching using parity-time symmetric Bragg gratings. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 2984.	0.9	39
3	Impact of dispersive and saturable gain/loss on bistability of nonlinear parity-time Bragg gratings. <i>Optics Letters</i> , 2014, 39, 2603.	1.7	36
4	Newton's method's basins of attraction revisited. <i>Applied Mathematics and Computation</i> , 2009, 215, 1084-1090.	1.4	29
5	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
6	Superspreading in early transmissions of COVID-19 in Indonesia. <i>Scientific Reports</i> , 2020, 10, 22386.	1.6	28
7	Embedded solitons in second-harmonic-generating lattices. <i>Chaos, Solitons and Fractals</i> , 2021, 142, 110534.	2.5	27
8	Self-trapping of optical vortices in waveguide lattices with a self-defocusing nonlinearity. <i>Optics Express</i> , 2008, 16, 10110.	1.7	24
9	Observation of dipole-like gap solitons in self-defocusing waveguide lattices. <i>Optics Letters</i> , 2007, 32, 3011.	1.7	22
10	Localized standing waves in inhomogeneous Schrödinger equations. <i>Nonlinearity</i> , 2010, 23, 2059-2080.	0.6	19
11	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
12	Discrete breathers in a two-dimensional spring-mass lattice. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 355207.	0.7	17
13	A new estimation method for COVID-19 time-varying reproduction number using active cases. <i>Scientific Reports</i> , 2022, 12, 6675.	1.6	16
14	Discrete dark solitons with multiple holes. <i>Physical Review E</i> , 2005, 72, 016605.	0.8	15
15	Unstable gap solitons in inhomogeneous nonlinear Schrödinger equations. <i>Journal of Differential Equations</i> , 2012, 253, 1191-1205.	1.1	15
16	A versatile all-optical parity-time signal processing device using a Bragg grating induced using positive and negative Kerr-nonlinearity. <i>Optical and Quantum Electronics</i> , 2015, 47, 37-47.	1.5	15
17	Stability Analysis of Quantum-Dot Spin-VCSELs. <i>Electronics (Switzerland)</i> , 2016, 5, 83.	1.8	15
18	Algebraic expressions for the polarisation response of spin-VCSELs. <i>Semiconductor Science and Technology</i> , 2018, 33, 064002.	1.0	15

#	ARTICLE	IF	CITATIONS
19	Pinned fluxons in a Josephson junction with a finite-length inhomogeneity. <i>European Journal of Applied Mathematics</i> , 2012, 23, 201-244.	1.4	14
20	Stability of stationary fronts in a non-linear wave equation with spatial inhomogeneity. <i>Journal of Differential Equations</i> , 2013, 254, 408-468.	1.1	14
21	Breathing Modes of Long Josephson Junctions with Phase-Shifts. <i>SIAM Journal on Applied Mathematics</i> , 2011, 71, 242-269.	0.8	13
22	Stability Analysis of Kinks in a Josephson Junction. <i>SIAM Journal on Applied Dynamical Systems</i> , 2007, 6, 99-141.	0.7	12
23	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
24	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
25	Superfluid flow past an obstacle in annular Bose-Einstein condensates. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 235301.	0.6	9
26	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
27	Interlaced solitons and vortices in coupled DNLS lattices. <i>Physica D: Nonlinear Phenomena</i> , 2009, 238, 2216-2226.	1.3	8
28	Periodic Travelling Waves of Forced FPU Lattices. <i>Journal of Dynamics and Differential Equations</i> , 2013, 25, 795-820.	1.0	8
29	Decay of bound states in a sine-Gordon equation with double-well potentials. <i>Journal of Mathematical Physics</i> , 2015, 56, 051502.	0.5	8
30	Dynamics of generalized PT-symmetric dimers with time-periodic gain-loss. <i>Nonlinear Dynamics</i> , 2015, 81, 353-371.	2.7	8
31	Soliton and Breather Splitting on Star Graphs from Tricrystal Josephson Junctions. <i>Symmetry</i> , 2019, 11, 271.	1.1	8
32	Rapidly oscillating ac-driven long Josephson junctions with phase-shifts. <i>Physica D: Nonlinear Phenomena</i> , 2013, 246, 15-22.	1.3	7
33	Variational approximations using Gaussian ansatz, false instability, and its remedy in nonlinear Schrödinger lattices. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 475202.	0.7	7
34	An Instability Criterion for Nonlinear Standing Waves on Nonzero Backgrounds. <i>Journal of Nonlinear Science</i> , 2014, 24, 1177-1196.	1.0	6
35	Stability Boundaries in Laterally-Coupled Pairs of Semiconductor Lasers. <i>Photonics</i> , 2019, 6, 74.	0.9	6
36	Variational approximations of soliton dynamics in the Ablowitz-Musslimani nonlinear Schrödinger equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2039-2045.	0.9	6

#	ARTICLE	IF	CITATIONS
37	Travelling waves in nonlinear magneto-inductive lattices. Journal of Differential Equations, 2016, 260, 1717-1746.	1.1	5
38	Symmetry breaking bifurcations in the NLS equation with an asymmetric delta potential. Nonlinear Dynamics, 2020, 100, 3815-3824.	2.7	5
39	Dynamics of Laterally-Coupled Pairs of Spin-VCSELs. IEEE Journal of Quantum Electronics, 2020, 56, 1-10.	1.0	5
40	Localized modes and phonon scattering of a lattice kink. Physical Review E, 2006, 73, 026608.	0.8	4
41	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
42	Bright Solitons in a PT-Symmetric Chain of Dimers. Advances in Mathematical Physics, 2016, 2016, 1-12.	0.4	4
43	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
44	Existence and stability analysis of finite Josephson junctions. Physical Review B, 2009, 80, .	1.1	3
45	Localized mode interactions in Josephson junctions. Physical Review B, 2010, 82, .		
46	Existence and stability analysis of semifluxons in disk-shaped two-dimensional Josephson junctions. Physical Review B, 2010, 82, .	1.1	2
47	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
48	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
49	The Overlap Factor Model of Spin-Polarised Coupled Lasers. Photonics, 2021, 8, 83.	0.9	1
50	SEMIFLUXONS IN A LONG JOSEPHSON JUNCTION WITH A DISCONTINUITY POINT. , 2005, , .		0
51	Rayleigh-Ritz approximation for the stability of localised waves. AIP Conference Proceedings, 2019, , .	0.3	0
52	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
53	Few-Lattice-Site Systems of Discrete Self-Trapping Equations. Springer Tracts in Modern Physics, 2009, , 249-257.	0.1	0