

# Natanael Karjanto

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

263  
citations

1039880

9  
h-index

940416

16  
g-index

30  
all docs

30  
docs citations

30  
times ranked

210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Newton's method's basins of attraction revisited. Applied Mathematics and Computation, 2009, 215, 1084-1090.	1.4	29
2	Extreme wave phenomena in down-stream running modulated waves. Applied Mathematical Modelling, 2007, 31, 1425-1443.	2.2	28
3	CALCULATED THRESHOLD OF SUPRATRANSMISSION PHENOMENA IN WAVEGUIDE ARRAYS WITH SATURABLE NONLINEARITY. Journal of Nonlinear Optical Physics and Materials, 2008, 17, 159-165.	1.1	28
4	Displaced phase-amplitude variables for waves on finite background. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 354, 312-319.	0.9	23
5	Interactions of bright and dark solitons with localized PT-symmetric potentials. Chaos, 2015, 25, 023112.	1.0	20
6	Attitude toward mathematics among the students at Nazarbayev University Foundation Year Programme. International Journal of Mathematical Education in Science and Technology, 2017, 48, 849-863.	0.8	20
7	Qualitative comparisons of experimental results on deterministic freak wave generation based on modulational instability. Journal of Hydro-Environment Research, 2010, 3, 186-192.	1.0	19
8	Note on wavefront dislocation in surface water waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 371, 173-179.	0.9	16
9	Test anxiety in mathematics among early undergraduate students in a British university in Malaysia. European Journal of Engineering Education, 2013, 38, 11-37.	1.5	13
10	English-medium instruction Calculus in Confucian-Heritage Culture: Flipping the class or overriding the culture?. Studies in Educational Evaluation, 2019, 63, 122-135.	1.2	11
11	Discrete solitons dynamics in $PT$ -symmetric oligomers with complex-valued couplings. Nonlinear Dynamics, 2021, 103, 2769-2782.	2.7	9
12	Peregrine Soliton as a Limiting Behavior of the Kuznetsov-Ma and Akhmediev Breathers. Frontiers in Physics, 2021, 9, .	1.0	9
13	Soliton and Breather Splitting on Star Graphs from Tricrystal Josephson Junctions. Symmetry, 2019, 11, 271.	1.1	8
14	Not Another Computer Algebra System: Highlighting wxMaxima in Calculus. Mathematics, 2021, 9, 1317.	1.1	8
15	Solitons in a chain of charge-parity-symmetric dimers. Physical Review A, 2018, 98, .	1.0	7
16	On the method of strained parameters for a KdV type of equation with exact dispersion property. IMA Journal of Applied Mathematics, 2015, 80, 893-905.	0.8	3
17	Let us rethink how to teach mathematics using gaming principles. International Journal of Mathematical Education in Science and Technology, 2020, , 1-20.	0.8	3
18	Exploiting bifurcations in waveguide arrays for light detectors. Physical Review A, 2012, 85, .	1.0	2

#	ARTICLE	IF	CITATIONS
19	On physical optics approximation of stratified shear flows with eddy viscosity. <i>Physics of Fluids</i> , 2021, 33, 054107.	1.6	2
20	Mollweide's formula in teaching trigonometry. <i>Teaching Mathematics and Its Applications</i> , 2011, 30, 70-74.	0.7	1
21	Stability of the NLS Equation with Viscosity Effect. <i>Journal of Applied Mathematics</i> , 2011, 2011, 1-11.	0.4	1
22	Calculus and Digital Natives in Rendezvous: wxMaxima Impact. <i>Education Sciences</i> , 2021, 11, 490.	1.4	1
23	On Modified Second Painlevé-de Hoog-Anderssen Boundary Value Problem. <i>Symmetry</i> , 2022, 14, 54.	1.1	1
24	Perturbed potential temperature field in the atmospheric boundary layer. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 0, , .	0.9	1
25	On varying coefficients of spatial inhomogeneous nonlinear Schrödinger equation. <i>Journal of Physics: Conference Series</i> , 2018, 1039, 012001.	0.3	0
26	Addendum: Susanto, H.; Karjanto, N.; Zulkarnain; Nusantara, T.; Widjanarko, T. Soliton and Breather Splitting on Star Graphs from Tricrystal Josephson Junctions. <i>Symmetry</i> 2019, 11, 271. <i>Symmetry</i> , 2020, 12, 1151.	1.1	0
27	Calculus teaching and learning in South Korea. <i>Jurnal Matematika Integratif</i> , 2017, 9, 179.	0.0	0
28	Seeking Genuine Vocations through Sustainability in Chemical Engineering. <i>Sustainability</i> , 2022, 14, 6980.	1.6	0