Zhixiang Yin

List of Publications by Year
in descending order

43 papers	196 citations	1307594 7 h-index	1372567 10 g-index
44 all docs	44 docs citations	44 times ranked	62 citing authors

#	Article	IF	Citations
1	A study of the shallow water waves with some Boussinesq-type equations. Waves in Random and Complex Media, 0, , 1-18.	2.7	30
2	Study of the generalization of regularized long-wave equation. Nonlinear Dynamics, 2022, 107, 2745-2752.	5.2	18
3	Exact solutions and dynamic properties of a nonlinear fourth-order time-fractional partial differential equation. Waves in Random and Complex Media, 0, , 1-12.	2.7	18
4	Chirped envelope solutions of short pulse propagation in highly nonlinear optical fiber. Optik, 2021, 242, 167318.	2.9	14
5	Solving 0–1 Integer Programming Problem Based on DNA Strand Displacement Reaction Network. ACS Synthetic Biology, 2021, 10, 2318-2330.	3.8	13
6	On the Gaussian traveling wave solution to a special kind of Schrödinger equation with logarithmic nonlinearity. Modern Physics Letters B, 2022, 36, .	1.9	11
7	Exact solutions and dynamic properties of Ito-Type coupled nonlinear wave equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 421, 127780.	2.1	9
8	A Double-Layer Image Encryption Scheme Based on Chaotic Maps and DNA Strand Displacement. Journal of Chemistry, 2022, 2022, 1-10.	1.9	9
9	Improved Large Dynamic Covariance Matrix Estimation With Graphical Lasso and Its Application in Portfolio Selection. IEEE Access, 2020, 8, 189179-189188.	4.2	8
10	Molecular Mechanism of D1135E-Induced Discriminated CRISPR-Cas9 PAM Recognition. Journal of Chemical Information and Modeling, 2022, 62, 3057-3066.	5.4	8
11	Integer Programming Problem Based on Plasmid DNA Computing Model. Chinese Journal of Electronics, 2017, 26, 1284-1288.	1.5	7
12	Molecular beacon computing model for maximum weight clique problem. Mathematics and Computers in Simulation, 2018, 151, 147-155.	4.4	6
13	Search computing model for the knapsack problem based on DNA origami. Materials Express, 2019, 9, 553-562.	0.5	5
14	Exact single travelling wave solutions to the fractional perturbed Gerdjikov–Ivanov equation in nonlinear optics. Modern Physics Letters B, 0, , 2150377.	1.9	5
15	PLncWX: A Machine-Learning Algorithm for Plant lncRNA Identification Based on WOA-XGBoost. Journal of Chemistry, 2021, 2021, 1-11.	1.9	5
16	Lithium Bond-Enhanced Capacity of Dipyridyl Polysulfides for LSBs. ACS Applied Energy Materials, 2021, 4, 3495-3501.	5.1	4
17	Nonlinear Combinational Dynamic Transmission Rate Model and Its Application in Global COVID-19 Epidemic Prediction and Analysis. Mathematics, 2021, 9, 2307.	2.2	4
18	Type II code over F2 + uF2 + u2F2. , 2006, , .		3

#	ARTICLE	IF	CITATIONS
19	Robust consensus for multi-agent systems over unbalanced directed networks. Journal of Systems Science and Complexity, 2014, 27, 1121-1137.	2.8	2
20	Stability Analysis and Hopf Bifurcation Research for DNA Strand Displacement with Time Delay. , 2018, , .		2
21	An Improved Iterated Hybrid Search for DNA Codes Design. , 2018, , .		2
22	A DFT study on AlN nanotubes and nanosheets as anodes for Mg-ion batteries. Computational and Theoretical Chemistry, 2021, 1203, 113352.	2.5	2
23	Dynamic properties and optical wave patterns of a high-order nonlinear SchrÃ¶dinger equation with weak non-local nonlinearity. Optik, 2022, 261, 169220.	2.9	2
24	Separation Principle for Delta-Operator Formulated TS Fuzzy Systems. , 2006, , .		1
25	Molecular beacon based DNA computing model for 0&#x2013;1 programming problem. , 2009, , .		1
26	Using Implicit Enumeration to Solve 0-1 Planning Problem Based on DNA Computing. , 2009, , .		1
27	The Circular DNA Model of 0â€"1 Programming Problem Based on DNA Strand Displacement. , 2018, , .		1
28	The Chinese Postman Problem Based on Molecular Beacon Strand Displacement. , 2018, , .		1
29	The Magnetic Bead Computing Model of the 0-1 Integer Programming Problem Based on DNA Cycle Hybridization. Mathematical Problems in Engineering, 2021, 2021, 1-7.	1.1	1
30	Application of Combined Prediction Model Based on Core and Coritivity Theory in Continuous Blood Pressure Prediction. Combinatorial Chemistry and High Throughput Screening, 2021, 24, .	1.1	1
31	Visual solution to minimum spanning tree problem based on DNA origami. Materials Express, 2021, 11, 1700-1706.	0.5	1
32	Visual Construction of Logical AND and NAND Gates. Journal of Chemistry, 2022, 2022, 1-10.	1.9	1
33	New results on connecting the Lorenz and Chen Systems. , 2008, , .		0
34	Complex dynamics of parameter-perturbed fuzzy Chen&#x2019;s system. , 2008, , .		0
35	Precise linearization optimal control of cell three-compartment transition model. , 2017, , .		0
36	Searching for Maximum Clique by DNA Origami. , 2018, , .		0

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37	DNA Origami Model for Simple Image Decoding. Discrete Dynamics in Nature and Society, 2020, 2020, 1-8.	0.9	0
38	Research on DNA Nanostructures Based on the Hybrid Chain Reaction for the Assignment Problem. Journal of Mathematics, 2021, 2021, 1-6.	1.0	0
39	HTR approach to the asymptotic solutions of supersonic boundary layer problem: the case of slow acoustic waves interacting with streamwise isolated wall roughness. Mathematical Sciences, 0, , 1.	1.7	0
40	DNA Switching Circuits Based on Binary Tree. IEEE Access, 2021, 9, 94033-94039.	4.2	0
41	Construction of complex logic circuit based on nanoparticles. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2020, 19, .	0.9	0
42	Probe Machine Based Computing Model for Maximum Clique Problem. Chinese Journal of Electronics, 2022, 31, 304-312.	1.5	0
43	A New Adaptive Controller for Nonlinear Systems with Uncertain Virtual Control Gains. Complexity, 2022, 2022, 1-21.	1.6	0