Lutz StrÃ¼ngmann

List of Publications by Year
in descending order

39 papers	389 citations	759233 12 h-index	794594 19 g-index
40 all docs	40 docs citations	40 times ranked	77 citing authors

#	Article	IF	Citations
1	Circular codes, symmetries and transformations. Journal of Mathematical Biology, 2015, 70, 1623-1644.	1.9	50
2	Mathematical fundamentals for the noise immunity of the genetic code. BioSystems, 2018, 164, 186-198.	2.0	34
3	n -Nucleotide circular codes in graph theory. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150058.	3.4	33
4	On dichotomic classes and bijections of the genetic code. Journal of Theoretical Biology, 2013, 336, 221-230.	1.7	26
5	Dinucleotide circular codes and bijective transformations. Journal of Theoretical Biology, 2015, 386, 159-165.	1.7	24
6	Yury Borisovich Rumer and his â€˜biological papersâ€™ on the genetic code. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150228.	3.4	21
7	Strong Comma-Free Codes in Genetic Information. Bulletin of Mathematical Biology, 2017, 79, 1796-1819.	1.9	19
8	On the hierarchy of trinucleotide n-circular codes and their corresponding amino acids. Journal of Theoretical Biology, 2015, 364, 113-120.	1.7	18
9	Self-complementary circular codes in coding theory. Theory in Biosciences, 2018, 137, 51-65.	1.4	18
10	On models of the genetic code generated by binary dichotomic algorithms. BioSystems, 2015, 128, 9-18.	2.0	16
11	TORSION-FREE WEAKLY TRANSITIVE ABELIAN GROUPS. Communications in Algebra, 2005, 33, 1177-1191.	0.6	13
12	Codon Distribution in Error-Detecting Circular Codes. Life, 2016, 6, 14.	2.4	13
13	Maximal dinucleotide comma-free codes. Journal of Theoretical Biology, 2016, 389, 206-213.	1.7	11
14	Diletter circular codes over finite alphabets. Mathematical Biosciences, 2017, 294, 120-129.	1.9	11
15	Near Isomorphism for a Class of Infinite Rank Torsion-Free Abelian Groups. Communications in Algebra, 2007, 35, 1055-1072.	0.6	10
16	Classification of some Butler groups of infinite rank. Journal of Algebra, 2013, 380, 1-17.	0.7	8
17	Mixed circular codes. Mathematical Biosciences, 2019, 317, 108231.	1.9	7
18	Infinite combinatorics in mathematical biology. BioSystems, 2021, 204, 104392.	2.0	7

#	Article	IF	Citations
19	Bounded Essential Extensions of Completely Decomposable Groups. Journal of Algebra, 2000, 229, 205-233.	0.7	6
20	â„µn-FREE MODULES OVER COMPLETE DISCRETE VALUATION DOMAINS WITH ALMOST TRIVIAL DUAL. Glasgow Mathematical Journal, 2013, 55, 369-380.	0.3	6
21	The Relation Between k-Circularity and Circularity of Codes. Bulletin of Mathematical Biology, 2020, 82, 105.	1.9	6
22	It is consistent with ZFC that B1 -groups are not B2. Forum Mathematicum, 2003, 15, .	0.7	5
23	Linear codes and the mitochondrial genetic code. BioSystems, 2019, 184, 103990.	2.0	4
24	Some transitivity-like concepts in Abelian groups. Journal of Algebra, 2019, 529, 114-123.	0.7	4
25	Circular Tessera Codes in the Evolution of the Genetic Code. Bulletin of Mathematical Biology, 2020, 82, 48.	1.9	4
26	On Cellular Covers with Free Kernels. Mediterranean Journal of Mathematics, 2012, 9, 295-304.	0.8	3
27	LARGE INDECOMPOSABLE MINIMAL GROUPS. Quarterly Journal of Mathematics, 2009, 60, 353-365.	0.8	2
28	Cellular covers of â„µ₁-free abelian groups. Journal of Algebra and Its Applications, 2015, 14, 1550139.	0.4	2
29	Equivalence classes of circular codes induced by permutation groups. Theory in Biosciences, 2021, 140, 107-121.	1.4	2
30	Relative annihilators in bounded commutative residuated lattices. Indian Journal of Pure and Applied Mathematics, 0, , .	0.5	2
31	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e5307" altimg="si474.svg"><mml:mi mathvariant="script">I</mml:mi></mml:math>-circular codes. BioSystems, 2022, 219, 104716.	2.0	2
32	RATIONAL RINGS RELATED TO WEAKLY TRANSITIVE TORSION-FREE ABELIAN GROUPS. Journal of Algebra and Its Applications, 2009, 08, 723-732.	0.4	1
33	Extensions in the class of countable torsion-free Abelian groups. Acta Mathematica Hungarica, 2013, 140, 316-328.	0.5	1
34	$${left({mathfrak{V},mathfrak{W}} ight)}{ext{-cotorsion pairs}}$$. Archiv Der Mathematik, 2006, 86, 193-204.	0.5	0
35	Baer cotorsion Pairs. Israel Journal of Mathematics, 2006, 151, 29-51.	0.8	0
36	On the p-rank of Ext(A,B) for countable abelian groups A and B. Israel Journal of Mathematics, 2014, 199, 567-572.	0.8	0

#	Article	IF	Citations
37	Near-isomorphism for bounded completely decomposable groups. Israel Journal of Mathematics, 2021, 241, 277-299.	0.8	0
38	Parallelism as a universal principle of structuring information flows. , 2019, , .		0
39	Computational Analysis of Genetic Code Variations Optimized for the Robustness against Point Mutations with Wobble-like Effects. Life, 2021, 11, 1338.	2.4	0