

Russell Miller

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

516
citations

840585

11
h-index

677027

22
g-index

41
all docs

41
docs citations

41
times ranked

64
citing authors

#	ARTICLE	IF	CITATIONS
1	Enumerations in computable structure theory. <i>Annals of Pure and Applied Logic</i> , 2005, 136, 219-246.	0.3	91
2	Degrees of categoricity of computable structures. <i>Archive for Mathematical Logic</i> , 2010, 49, 51-67.	0.2	73
3	Δ^1_1 -computable categoricity for algebraic fields. <i>Journal of Symbolic Logic</i> , 2009, 74, 1325-1351.	0.4	41
4	Computable categoricity of trees of finite height. <i>Journal of Symbolic Logic</i> , 2005, 70, 151-215.	0.4	40
5	COMPUTABLE FUNCTORS AND EFFECTIVE INTERPRETABILITY. <i>Journal of Symbolic Logic</i> , 2017, 82, 77-97.	0.4	31
6	The Hierarchy of Equivalence Relations on the Natural Numbers Under Computable Reducibility. <i>Computability</i> , 2012, 1, 15-38.	0.3	24
7	A COMPUTABLE FUNCTOR FROM GRAPHS TO FIELDS. <i>Journal of Symbolic Logic</i> , 2018, 83, 326-348.	0.4	24
8	The Δ^1_1 -spectrum of a linear order. <i>Journal of Symbolic Logic</i> , 2001, 66, 470-486.	0.4	23
9	The basic theory of infinite time register machines. <i>Archive for Mathematical Logic</i> , 2010, 49, 249-273.	0.2	22
10	An Enhanced Theory of Infinite Time Register Machines. , 2008, , 306-315.		19
11	TURING DEGREE SPECTRA OF DIFFERENTIALLY CLOSED FIELDS. <i>Journal of Symbolic Logic</i> , 2017, 82, 1-25.	0.4	18
12	The computable dimension of trees of infinite height. <i>Journal of Symbolic Logic</i> , 2005, 70, 111-141.	0.4	14
13	COMPLEXITY OF EQUIVALENCE RELATIONS AND PREORDERS FROM COMPUTABILITY THEORY. <i>Journal of Symbolic Logic</i> , 2014, 79, 859-881.	0.4	14
14	Is it harder to factor a polynomial or to find a root?. <i>Transactions of the American Mathematical Society</i> , 2010, 362, 5261-5261.	0.5	11
15	Computability of Fraïssé limits. <i>Journal of Symbolic Logic</i> , 2011, 76, 66-93.	0.4	10
16	An introduction to computable model theory on groups and fields. <i>Groups, Complexity, Cryptology</i> , 2011, 3, .	0.3	6
17	FINITARY REDUCIBILITY ON EQUIVALENCE RELATIONS. <i>Journal of Symbolic Logic</i> , 2016, 81, 1225-1254.	0.4	6
18	BOREL FUNCTORS AND INFINITARY INTERPRETATIONS. <i>Journal of Symbolic Logic</i> , 2018, 83, 1434-1456.	0.4	6

#	ARTICLE	IF	CITATIONS
19	Isomorphism and classification for countable structures. <i>Computability</i> , 2019, 8, 99-117.	0.3	6
20	Simple structures with complex symmetry. <i>Algebra and Logic</i> , 2010, 49, 68-90.	0.4	5
21	Computing constraint sets for differential fields. <i>Journal of Algebra</i> , 2014, 407, 316-357.	0.4	4
22	As easy as \mathbb{Q} : Hilbert's Tenth Problem for subrings of the rationals and number fields. <i>Transactions of the American Mathematical Society</i> , 2017, 369, 8291-8315.	0.5	3
23	On Decidable Categoricity and Almost Prime Models. <i>Siberian Advances in Mathematics</i> , 2020, 30, 200-212.	0.2	3
24	Revisiting Uniform Computable Categoricity: For the Sixtieth Birthday of Prof. Rod Downey. <i>Lecture Notes in Computer Science</i> , 2017, , 254-270.	1.0	3
25	The Complexity of Quickly ORM-Decidable Sets. <i>Lecture Notes in Computer Science</i> , 2007, , 488-496.	1.0	3
26	Classes of structures with universe a subset of \mathbb{A}^1 . <i>Journal of Logic and Computation</i> , 2013, 23, 1249-1265.	0.5	2
27	MEASURE THEORY AND HILBERT'S TENTH PROBLEM INSIDE $\mathbb{A}^1_{\mathbb{Q}}$. <i>Lecture Notes Series, Institute for Mathematical Sciences</i> , 2017, , 253-269.	0.2	2
28	On Computable Field Embeddings and Difference Closed Fields. <i>Canadian Journal of Mathematics</i> , 2017, 69, 1338-1363.	0.3	2
29	Degree spectra of real closed fields. <i>Archive for Mathematical Logic</i> , 2019, 58, 387-411.	0.2	2
30	Turing Degrees of Complete Formulas of Almost Prime Models. <i>Algebra and Logic</i> , 2019, 58, 282-287.	0.4	2
31	The Hilbert's-Tenth-Problem Operator. <i>Israel Journal of Mathematics</i> , 2019, 230, 693-713.	0.4	2
32	Baire Category Theory and Hilbert's Tenth Problem Inside \mathbb{Q} . <i>Lecture Notes in Computer Science</i> , 2016, , 343-352.	1.0	2
33	$\text{Low}^{₅}$ Boolean Subalgebras and Computable Copies. <i>Journal of Symbolic Logic</i> , 2011, 76, 1061-1074.	0.4	1
34	Model completeness and relative decidability. <i>Archive for Mathematical Logic</i> , 2021, 60, 721-735.	0.2	1
35	Approximating functions and measuring distance on a graph. , 2013, , .		0
36	Infinite time Turing machines and an application to the hierarchy of equivalence relations on the reals. , 0, , 33-49.		0

#	ARTICLE	IF	CITATIONS
37	A Note on Computable Distinguishing Colorings. Lobachevskii Journal of Mathematics, 2021, 42, 693-700.	0.1	0
38	Computable Procedures for Fields. Lecture Notes in Computer Science, 2021, , 342-352.	1.0	0
39	HTP-Complete Rings of Rational Numbers. Journal of Symbolic Logic, 0, , 1-29.	0.4	0
40	On existential definitions of c.e. subsets of rings of functions of characteristic 0. Annals of Pure and Applied Logic, 2022, 173, 103076.	0.3	0