

Anand Pillay

List of Publications by Year in descending order

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128
papers

2,325
citations

279798

23
h-index

276875

41
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130
all docs

130
docs citations

130
times ranked

201
citing authors

#	ARTICLE	IF	CITATIONS
1	Saturated free algebras and almost indiscernible theories. <i>Algebra Universalis</i> , 2022, 83, 1.	0.3	1
2	Amenability, connected components, and definable actions. <i>Selecta Mathematica, New Series</i> , 2022, 28, 1.	1.0	4
3	Pseudofinite groups and VC-dimension. <i>Journal of Mathematical Logic</i> , 2021, 21, 2150009.	0.6	1
4	Remarks on Purity of Methods. <i>Notre Dame Journal of Formal Logic</i> , 2021, 62, .	0.4	0
5	1 Model theory and groups. , 2021, , 1-50.		1
6	UNIVERSAL COVERS OF COMMUTATIVE FINITE MORLEY-RANK GROUPS. <i>Journal of the Institute of Mathematics of Jussieu</i> , 2020, 19, 767-799.	0.7	2
7	A note on groups definable in the p-adic field. <i>Archive for Mathematical Logic</i> , 2019, 58, 1029-1034.	0.3	3
8	Amenability, definable groups, and automorphism groups. <i>Advances in Mathematics</i> , 2019, 345, 1253-1299.	1.1	9
9	Generalized Picard-Vessiot extensions and differential Galois cohomology. <i>Annales De La Faculté Des Sciences De Toulouse</i> , 2019, 28, 813-830.	0.3	4
10	Remarks on the NIP in a model. <i>Mathematical Logic Quarterly</i> , 2018, 64, 429-434.	0.2	5
11	On function field Mordell-Lang: the semiabelian case and the socle theorem. <i>Proceedings of the London Mathematical Society</i> , 2018, 116, 182-208.	1.3	0
12	Topological dynamics and the complexity of strong types. <i>Israel Journal of Mathematics</i> , 2018, 228, 863-932.	0.8	10
13	Embedded Picard-Vessiot extensions. <i>Communications in Algebra</i> , 2018, 46, 4609-4615.	0.6	4
14	On definable Galois groups and the strong canonical base property. <i>Journal of Mathematical Logic</i> , 2017, 17, 1750002.	0.6	2
15	Generalised Bohr compactification and model-theoretic connected components. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2017, 163, 219-249.	0.4	10
16	The Picard-Vessiot theory, constrained cohomology, and linear differential algebraic groups. <i>Journal Des Mathématiques Pures Et Appliquées</i> , 2017, 108, 809-817.	1.6	6
17	On algebraic relations between solutions of a generic Painlevé equation. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2017, 2017, 1-27.	0.9	17
18	SOME DEFINABLE GALOIS THEORY AND EXAMPLES. <i>Bulletin of Symbolic Logic</i> , 2017, 23, 145-159.	0.2	13

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19	The free group has the dimensional order property. <i>Bulletin of the London Mathematical Society</i> , 2017, 49, 89-94.	0.8	1
20	Galois theory, functional Lindemann-Weierstrass, and Manin maps. <i>Pacific Journal of Mathematics</i> , 2016, 281, 51-82.	0.5	3
21	On minimal flows, definably amenable groups, and o-minimality. <i>Advances in Mathematics</i> , 2016, 290, 483-502.	1.1	8
22	SEMIABELIAN VARIETIES OVER SEPARABLY CLOSED FIELDS, MAXIMAL DIVISIBLE SUBGROUPS, AND EXACT SEQUENCES. <i>Journal of the Institute of Mathematics of Jussieu</i> , 2016, 15, 29-69.	0.7	4
23	Interpretations and Differential Galois Extensions. <i>International Mathematics Research Notices</i> , 2016, 2016, 7390-7413.	1.0	7
24	On function field Mordell-Lang and Manin-Mumford. <i>Journal of Mathematical Logic</i> , 2016, 16, 1650001.	0.6	5
25	Connected components of definable groups, and o-minimality II. <i>Annals of Pure and Applied Logic</i> , 2015, 166, 836-849.	0.5	2
26	External definability and groups in NIP theories. <i>Journal of the London Mathematical Society</i> , 2014, 90, 213-240.	1.0	11
27	GENERIC STABILITY AND STABILITY. <i>Journal of Symbolic Logic</i> , 2014, 79, 179-185.	0.5	4
28	On the algebraic independence of generic Painlevé transcendents. <i>Compositio Mathematica</i> , 2014, 150, 668-678.	0.8	9
29	Model Theory in Algebra, Analysis and Arithmetic. <i>Lecture Notes in Mathematics</i> , 2014, , .	0.2	1
30	Some model theory of fibrations and algebraic reductions. <i>Selecta Mathematica, New Series</i> , 2014, 20, 1067-1082.	1.0	4
31	On compactifications and the topological dynamics of definable groups. <i>Annals of Pure and Applied Logic</i> , 2014, 165, 552-562.	0.5	17
32	On the canonical base property. <i>Selecta Mathematica, New Series</i> , 2013, 19, 865-877.	1.0	5
33	Connected components of groups and o-minimal expansions of real closed fields. <i>Electronic Notes in Discrete Mathematics</i> , 2013, 43, 151-153.	0.4	0
34	Topological dynamics and definable groups. <i>Journal of Symbolic Logic</i> , 2013, 78, 657-666.	0.5	11
35	BOREL EQUIVALENCE RELATIONS AND LASCAR STRONG TYPES. <i>Journal of Mathematical Logic</i> , 2013, 13, 1350008.	0.6	8
36	Generically stable and smooth measures in NIP theories. <i>Transactions of the American Mathematical Society</i> , 2012, 365, 2341-2366.	0.9	24

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37	Connected components of definable groups and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll" \rangle \langle \text{mml:mi} \rangle \text{o} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -minimality I. <i>Advances in Mathematics</i> , 2012, 231, 605-623.	1.1	32
38	On central extensions and definably compact groups in o-minimal structures. <i>Journal of Algebra</i> , 2011, 327, 71-106.	0.7	22
39	On stable fields and weight. <i>Journal of the Institute of Mathematics of Jussieu</i> , 2011, 10, 349-358.	0.7	7
40	Remarks on unimodularity. <i>Journal of Symbolic Logic</i> , 2011, 76, 1453-1458.	0.5	4
41	Stable embeddedness and $\langle \text{i} \rangle$. <i>Journal of Symbolic Logic</i> , 2011, 76, 665-672.	0.5	5
42	On NIP and invariant measures. <i>Journal of the European Mathematical Society</i> , 2011, 13, 1005-1061.	1.4	83
43	AFFINE NASH GROUPS OVER REAL CLOSED FIELDS. <i>Confluentes Mathematici</i> , 2011, 03, 577-585.	0.2	9
44	Model Theory: Around Valued Fields and Dependent Theories. <i>Oberwolfach Reports</i> , 2010, 7, 5-53.	0.0	0
45	Corrigendum to: "On Lascar rank and Morley rank of definable groups in differentially closed fields" <i>Journal of Symbolic Logic</i> , 2009, 74, 1436-1437.	0.5	0
46	Superrosy dependent groups having finitely satisfiable generics. <i>Annals of Pure and Applied Logic</i> , 2008, 151, 1-21.	0.5	21
47	Differential arcs and regular types in differential fields. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2008, 2008, .	0.9	7
48	On types of CB-rank 1 in simple theories. <i>Journal of the Institute of Mathematics of Jussieu</i> , 2008, 7, 895-899.	0.7	1
49	FORKING IN THE FREE GROUP. <i>Journal of the Institute of Mathematics of Jussieu</i> , 2008, 7, .	0.7	12
50	On canonical bases and internality criteria. <i>Illinois Journal of Mathematics</i> , 2008, 52, .	0.1	13
51	Imaginarys in pairs of algebraically closed fields. <i>Annals of Pure and Applied Logic</i> , 2007, 146, 13-20.	0.5	5
52	Groups, measures, and the NIP. <i>Journal of the American Mathematical Society</i> , 2007, 21, 563-597.	3.9	121
53	Generic sets in definably compact groups. <i>Fundamenta Mathematicae</i> , 2007, 193, 153-170.	0.5	27
54	On algebraic Σ -groups. <i>Transactions of the American Mathematical Society</i> , 2006, 359, 1325-1337.	0.9	9

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55	On PAC and bounded substructures of a stable structure. <i>Journal of Symbolic Logic</i> , 2006, 71, 460-472.	0.5	12
56	On Lovely Pairs and the $(\hat{\text{f}}\text{y} \hat{\text{a}}^{\text{P}})$ Quantifier. <i>Notre Dame Journal of Formal Logic</i> , 2005, 46, 491. A descending chain condition for groups definable in $\langle \text{st} \text{L} \text{g} \text{if} \text{ display} = \text{inline} \text{ overflow} = \text{scroll} \text{ xmlns:xocs} = \text{http://www.elsevier.com/xml/xocs/dtd} \text{ xmlns:xs} = \text{http://www.w3.org/2001/XMLSchema} \text{ xmlns:xsi} = \text{http://www.w3.org/2001/XMLSchema-instance} \text{ xmlns} = \text{http://www.elsevier.com/xml/ja/dtd} \text{ xmlns:ja} = \text{http://www.elsevier.com/xml/ja/dtd} \text{ xmlns:mml} = \text{http://www.w3.org/1998/Math/MathML} \text{ xmlns:tb} = \text{http://www.elsevier.com/xml/common/table/dtd} \text{ xmlns:sb} = \text{http://www.elsevier.com/xml/co} \rangle$	0.4	2
57	$\langle \text{st} \text{L} \text{g} \text{if} \text{ display} = \text{inline} \text{ overflow} = \text{scroll} \text{ xmlns:xocs} = \text{http://www.elsevier.com/xml/xocs/dtd} \text{ xmlns:xs} = \text{http://www.w3.org/2001/XMLSchema} \text{ xmlns:xsi} = \text{http://www.w3.org/2001/XMLSchema-instance} \text{ xmlns} = \text{http://www.elsevier.com/xml/ja/dtd} \text{ xmlns:ja} = \text{http://www.elsevier.com/xml/ja/dtd} \text{ xmlns:mml} = \text{http://www.w3.org/1998/Math/MathML} \text{ xmlns:tb} = \text{http://www.elsevier.com/xml/common/table/dtd} \text{ xmlns:sb} = \text{http://www.elsevier.com/xml/co} \rangle$	0.5	34
58	On a question of Herzog and Rothmaler. <i>Journal of Symbolic Logic</i> , 2004, 69, 478-481.	0.5	0
59	TYPE-DEFINABILITY, COMPACT LIE GROUPS, AND σ -MINIMALITY. <i>Journal of Mathematical Logic</i> , 2004, 04, 147-162.	0.6	52
60	Mordell's Lang conjecture for function fields in characteristic zero, revisited. <i>Compositio Mathematica</i> , 2004, 140, 64-68.	0.8	10
61	Algebraic D-groups and differential Galois theory. <i>Pacific Journal of Mathematics</i> , 2004, 216, 343-360.	0.5	18
62	Jet spaces of varieties over differential and difference fields. <i>Selecta Mathematica, New Series</i> , 2003, 9, 579-599.	1.0	39
63	Lovely pairs of models. <i>Annals of Pure and Applied Logic</i> , 2003, 122, 235-261.	0.5	39
64	On countable simple unidimensional theories. <i>Journal of Symbolic Logic</i> , 2003, 68, 1377-1384.	0.5	5
65	Meromorphic groups. <i>Transactions of the American Mathematical Society</i> , 2003, 355, 3843-3859.	0.9	13
66	On Lascar rank and Morley rank of definable groups in differentially closed fields. <i>Journal of Symbolic Logic</i> , 2002, 67, 1189-1196.	0.5	11
67	Compact complex manifolds with the DOP and other properties. <i>Journal of Symbolic Logic</i> , 2002, 67, 737-743.	0.5	4
68	Some results on permutation group isomorphism and categoricity. <i>Journal of Symbolic Logic</i> , 2002, 67, 910-914.	0.5	0
69	A note on existentially closed difference fields with algebraically closed fixed field. <i>Journal of Symbolic Logic</i> , 2001, 66, 719-721.	0.5	1
70	Supersimple theories. <i>Journal of the American Mathematical Society</i> , 2001, 14, 109-124.	3.9	27
71	The Prospects for Mathematical Logic in the Twenty-First Century. <i>Bulletin of Symbolic Logic</i> , 2001, 7, 169-196.	0.2	22
72	Simple algebraic and semialgebraic groups over real closed fields. <i>Transactions of the American Mathematical Society</i> , 2000, 352, 4421-4450.	0.9	29

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73	The definable multiplicity property and generic automorphisms. <i>Annals of Pure and Applied Logic</i> , 2000, 106, 263-273.	0.5	13
74	Effective bounds for the number of transcendental points on subvarieties of semi-abelian varieties. <i>American Journal of Mathematics</i> , 2000, 122, 439-450.	1.1	16
75	Coordinatisation and canonical bases in simple theories. <i>Journal of Symbolic Logic</i> , 2000, 65, 293-309.	0.5	37
76	A note on CM-triviality and the geometry of forking. <i>Journal of Symbolic Logic</i> , 2000, 65, 474-480.	0.5	15
77	Forking and fundamental order in simple theories. <i>Journal of Symbolic Logic</i> , 1999, 64, 1155-1158.	0.5	4
78	A Note on the Axioms for Differentially Closed Fields of Characteristic Zero. <i>Journal of Algebra</i> , 1998, 204, 108-115.	0.7	42
79	On Theories Having Three Countable Models. <i>Mathematical Logic Quarterly</i> , 1998, 44, 161-166.	0.2	20
80	Definability and definable groups in simple theories. <i>Journal of Symbolic Logic</i> , 1998, 63, 788-796.	0.5	25
81	From Stability to Simplicity. <i>Bulletin of Symbolic Logic</i> , 1998, 4, 17-36.	0.2	19
82	Simple groups definable in O-minimal structures. <i>Lecture Notes in Logic</i> , 1998, , 211-218.	0.1	4
83	Differential Galois theory I. <i>Illinois Journal of Mathematics</i> , 1998, 42, .	0.1	18
84	Remarks on Galois cohomology and definability. <i>Journal of Symbolic Logic</i> , 1997, 62, 487-492.	0.5	7
85	Amalgamations preserving $\hat{\mu}_1$ -categoricity. <i>Journal of Symbolic Logic</i> , 1997, 62, 1070-1074.	0.5	2
86	Simple theories. <i>Annals of Pure and Applied Logic</i> , 1997, 88, 149-164.	0.5	118
87	Differential Galois theory II. <i>Annals of Pure and Applied Logic</i> , 1997, 88, 181-191.	0.5	10
88	Some foundational questions concerning differential algebraic groups. <i>Pacific Journal of Mathematics</i> , 1997, 179, 179-200.	0.5	25
89	On Groups and Rings Definable In O-Minimal Expansions of Real Closed Fields. <i>Bulletin of the London Mathematical Society</i> , 1996, 28, 7-14.	0.8	32
90	The geometry of forking and groups of finite Morley rank. <i>Journal of Symbolic Logic</i> , 1995, 60, 1251-1259.	0.5	17

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91	Primitive Permutation Groups of Finite Morley Rank. Proceedings of the London Mathematical Society, 1995, s3-70, 481-504.	1.3	15
92	Corps et chirurgie. Journal of Symbolic Logic, 1995, 60, 528-533.	0.5	19
93	On the number of models of uncountable theories. Journal of Symbolic Logic, 1994, 59, 1285-1300.	0.5	2
94	Some remarks on nonmultidimensional superstable theories. Journal of Symbolic Logic, 1994, 59, 151-165.	0.5	1
95	Groups definable in local fields and pseudo-finite fields. Israel Journal of Mathematics, 1994, 85, 203-262.	0.8	89
96	Definability of types, and pairs of O-minimal structures. Journal of Symbolic Logic, 1994, 59, 1400-1409.	0.5	11
97	Unidimensional modules: uniqueness of maximal non-modular submodels. Annals of Pure and Applied Logic, 1993, 62, 175-181.	0.5	1
98	Additive reducts of real closed fields. Journal of Symbolic Logic, 1992, 57, 109-117.	0.5	20
99	Superstable theories with few countable models. Archive for Mathematical Logic, 1992, 31, 457-465.	0.3	4
100	Stable theories without dense forking chains. Archive for Mathematical Logic, 1992, 31, 297-303.	0.3	10
101	Some model theory of compact Lie groups. Transactions of the American Mathematical Society, 1991, 326, 453-463.	0.9	16
102	Some remarks on modular regular types. Journal of Symbolic Logic, 1991, 56, 1003-1011.	0.5	2
103	A group in a group. Algebra and Logic, 1990, 29, 244-252.	0.3	12
104	Differentially algebraic group chunks. Journal of Symbolic Logic, 1990, 55, 1138-1142.	0.5	6
105	On fields definable in \mathbb{Q}_p . Archive for Mathematical Logic, 1989, 29, 1-7.	0.3	13
106	Stable theories, pseudoplanes and the number of countable models. Annals of Pure and Applied Logic, 1989, 43, 147-160.	0.5	15
107	An application of model theory to real and p-adic algebraic groups. Journal of Algebra, 1989, 126, 139-146.	0.7	18
108	On groups and fields definable in o-minimal structures. Journal of Pure and Applied Algebra, 1988, 53, 239-255.	0.6	146

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109	Definable sets in ordered structures. III. Transactions of the American Mathematical Society, 1988, 309, 469-476.	0.9	36
110	Sheaves of continuous definable functions. Journal of Symbolic Logic, 1988, 53, 1165-1169.	0.5	9
111	First order topological structures and theories. Journal of Symbolic Logic, 1987, 52, 763-778.	0.5	19
112	Pas d'imaginaires dans l'infini!. Journal of Symbolic Logic, 1987, 52, 400-403.	0.5	7
113	On Dedekind complete o-minimal structures. Journal of Symbolic Logic, 1987, 52, 156-164.	0.5	1
114	First Order Topological Structures and Theories. Journal of Symbolic Logic, 1987, 52, 763.	0.5	12
115	Discrete o-minimal structures. Annals of Pure and Applied Logic, 1987, 34, 275-289.	0.5	15
116	Definable sets in ordered structures. II. Transactions of the American Mathematical Society, 1986, 295, 593-605.	0.9	121
117	Definable sets in ordered structures. I. Transactions of the American Mathematical Society, 1986, 295, 565-592.	0.9	218
118	Some remarks on definable equivalence relations in O-minimal structures. Journal of Symbolic Logic, 1986, 51, 709-714.	0.5	19
119	Superstable groups of finite rank without pseudoplanes. Annals of Pure and Applied Logic, 1986, 30, 95-101.	0.5	4
120	Forking, normalization and canonical bases. Annals of Pure and Applied Logic, 1986, 32, 61-81.	0.5	11
121	Closed sets and chain conditions in stable theories. Journal of Symbolic Logic, 1984, 49, 1350-1362.	0.5	16
122	Definable sets in ordered structures. Bulletin of the American Mathematical Society, 1984, 11, 159-162.	1.5	37
123	Countable modules. Fundamenta Mathematicae, 1984, 121, 125-132.	0.5	1
124	Countable models of stable theories. Proceedings of the American Mathematical Society, 1983, 89, 666-666.	0.8	28
125	Theories with exactly three countable models and theories with algebraic prime models. Journal of Symbolic Logic, 1980, 45, 302-310.	0.5	6
126	Differentially valued fields are not differentially closed. , 0, , 111-116.		1

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127	Simple groups definable in O-minimal structures. , 0, , 211-218.		1
128	Differential Galois cohomology and parameterized Picardâ€“Vessiot extensions. Communications in Contemporary Mathematics, 0, , 2050081.	1.2	0