# Andreas BrandstÃ¤dt

List of Publications by Year
in descending order



| 112 | 3,321 | 236612 | 264894 |
|---|---|---|---|
| papers | citations | 25 h-index | 42 g-index |

| 116 | 116 | 116 | 846 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Maximum weight independent sets for (S1,2,4,triangle)-free graphs in polynomial time. Theoretical Computer Science, 2021, 878-879, 11-25. | 0.5 | 1 |
| 2 | Dominating induced matchings in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e19" altimg="si25.gif"><mml:msub><mml:mrow><mml:mi>S</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mo>,</mml: graphs. Discrete Applied Mathematics, 2020, 278, 83-92. | 0.5 | 5 |
| 3 | On efficient domination for some classes of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e199" altimg="si1806.svg"><mml:mi>H</mml:mi></mml:math>-free chordal graphs. Discrete Applied Mathematics, 2020, 281, 81-95. | 0.5 | 0 |
| 4 | Finding dominating induced matchings in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e20" altimg="si13.svg"><mml:msub><mml:mrow><mml:mi>S</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn><mml:mo>,</mm graphs in polynomial time. Discrete Applied Mathematics, 2020, 283, 417-434. | 0.5 | 2 |
| 5 | Finding dominating induced matchings in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e20" altimg="si14.svg"><mml:msub><mml:mrow><mml:mi>S</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mo>,</mm graphs in polynomial time. Discrete Applied Mathematics, 2020, 284, 269-280. | 0.5 | 1 |
| 6 | On efficient domination for some classes of H-free bipartite graphs. Discrete Applied Mathematics, 2019, 270, 58-67. | 0.5 | 1 |
| 7 | A dichotomy for weighted efficient dominating sets with bounded degree vertices. Information Processing Letters, 2019, 142, 30-34. | 0.4 | 0 |
| 8 | Efficient Domination and Efficient Edge Domination: A Brief Survey. Lecture Notes in Computer Science, 2018, , 1-14. | 1.0 | 3 |
| 9 | Maximum Weight Independent Sets for (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq1 1 0.784314 rgB graphs in polynomial time. Discrete Applied Mathematics, 2018, 236, 57-65. | 0.5 | 5 |
| 10 | Maximum weight independent set for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml3" display="inline" overflow="scroll" altimg="si3.gif"><mml:mi>â„“</mml:mi></mml:math>-claw-free graphs in polynomial time. Discrete Applied Mathematics, 2018, 237, 57-64. | 0.5 | 14 |
| 11 | On efficient domination for some classes of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml1" display="inline" overflow="scroll" altimg="si1.gif"><mml:mi>H</mml:mi></mml:math>-free and of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml2" display="inline" overflow="scroll" | | |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Clique cycle-transversals in distance-hereditary graphs. Discrete Applied Mathematics, 2016, 210, 38-44. | 0.5 | 1 |
| 20 | Weighted efficient domination in two subclasses of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>P</mml:mi></mml:mrow><mml:mrow><mml:mn>6</mml:mn></mml:mrow></mml:msub></mml:math> graphs. Discrete Applied Mathematics, 2016, 201, 38-46. | 0.5 | 7 |
| 21 | Efficient Domination for Some Subclasses of $$P_6$$ -free Graphs in Polynomial Time. Lecture Notes in Computer Science, 2016, , 78-89. | 1.0 | 5 |
| 22 | Maximum Weight Independent Sets in Odd-Hole-Free Graphs Without Dart or Without Bull. Graphs and Combinatorics, 2015, 31, 1249-1262. | 0.2 | 6 |
| 23 | The Dilworth Number of Auto-Chordal Bipartite Graphs. Graphs and Combinatorics, 2015, 31, 1463-1471. | 0.2 | 2 |
| 24 | Efficiently decomposing, recognizing and triangulating hole-free graphs without diamonds. Discrete Applied Mathematics, 2015, 184, 50-61. | 0.5 | 6 |
| 25 | Polynomial-time algorithms for weighted efficient domination problems in AT-free graphs and dually chordal graphs. Information Processing Letters, 2015, 115, 256-262. | 0.4 | 21 |
| 26 | Bounding the Clique-Width of H-free Chordal Graphs. Lecture Notes in Computer Science, 2015, , 139-150. | 1.0 | 5 |
| 27 | A note on efficient domination in a superclass of -free graphs. Information Processing Letters, 2014, 114, 357-359. | 0.4 | 7 |
| 28 | Dominating Induced Matchings for P 7-Free Graphs in Linear Time. Algorithmica, 2014, 68, 998-1018. | 1.0 | 15 |
| 29 | Clique cycle transversals in distance-hereditary graphs. Electronic Notes in Discrete Mathematics, 2013, 44, 15-21. | 0.4 | 2 |
| 30 | Cycle transversals in perfect graphs and cographs. Theoretical Computer Science, 2013, 469, 15-23. | 0.5 | 12 |
| 31 | Clique separator decomposition of hole-free and diamond-free graphs and algorithmic consequences. Discrete Applied Mathematics, 2012, 160, 471-478. | 0.5 | 18 |
| 32 | Maximum Weight Independent Sets in hole- and co-chair-free graphs. Information Processing Letters, 2012, 112, 67-71. | 0.4 | 15 |
| 33 | Efficient Dominating and Edge Dominating Sets for Graphs and Hypergraphs. Lecture Notes in Computer Science, 2012, , 267-277. | 1.0 | 24 |
| 34 | Path-Bicolorable Graphs. Graphs and Combinatorics, 2011, 27, 799-819. | 0.2 | 0 |
| 35 | On distance-3 matchings and induced matchings. Discrete Applied Mathematics, 2011, 159, 509-520. | 0.5 | 23 |
| 36 | Dominating Induced Matchings for P 7-free Graphs in Linear Time. Lecture Notes in Computer Science, 2011, , 100-109. | 1.0 | 10 |

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|---|---|---|---|
| 37 | Characterising <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si7.gif" display="inline" overflow="scroll"><mml:mrow><mml:mo>(</mml:mo><mml:mi>k</mml:mi><mml:mo>,</mml:mo><mml:mi>â„“</mml:mi><mml:mo powers. Discrete Applied Mathematics, 2010, 158, 110-122. | 0.5 | 9 |
| 38 | On Independent Vertex Sets in Subclasses ofÂApple-Free Graphs. Algorithmica, 2010, 56, 383-393. | 1.0 | 24 |
| 39 | Exact leaf powers. Theoretical Computer Science, 2010, 411, 2968-2977. | 0.5 | 12 |
| 40 | Rooted directed path graphs are leaf powers. Discrete Mathematics, 2010, 310, 897-910. | 0.4 | 23 |
| 41 | Independent Sets of Maximum Weight in Apple-Free Graphs. SIAM Journal on Discrete Mathematics, 2010, 24, 239-254. | 0.4 | 42 |
| 42 | Efficient Edge Domination on Hole-Free Graphs in Polynomial Time. Lecture Notes in Computer Science, 2010, , 650-661. | 1.0 | 26 |
| 43 | Simplicial powers of graphs. Theoretical Computer Science, 2009, 410, 5443-5454. | 0.5 | 3 |
| 44 | A forbidden induced subgraph characterization of distance-hereditary 5-leaf powers. Discrete Mathematics, 2009, 309, 3843-3852. | 0.4 | 10 |
| 45 | The complete inclusion structure of leaf power classes. Theoretical Computer Science, 2009, 410, 5505-5514. | 0.5 | 1 |
| 46 | On Distance-3 Matchings and Induced Matchings. Lecture Notes in Computer Science, 2009, , 116-126. | 1.0 | 2 |
| 47 | Path-Bicolorable Graphs. Lecture Notes in Computer Science, 2009, , 172-182. | 1.0 | 0 |
| 48 | Maximum Induced Matchings for Chordal Graphs in Linear Time. Algorithmica, 2008, 52, 440-447. | 1.0 | 22 |
| 49 | Structure and linear-time recognition of 4-leaf powers. ACM Transactions on Algorithms, 2008, 5, 1-22. | 0.9 | 27 |
| 50 | Ptolemaic Graphs and Interval Graphs Are Leaf Powers. , 2008, , 479-491. | | 15 |
| 51 | Simplicial Powers of Graphs. Lecture Notes in Computer Science, 2008, , 160-170. | 1.0 | 4 |
| 52 | On k- Versus (kâ€‰+â€‰1)-Leaf Powers. Lecture Notes in Computer Science, 2008, , 171-179. | 1.0 | 5 |
| 53 | New applications of clique separator decomposition for the Maximum Weight Stable Set problem. Theoretical Computer Science, 2007, 370, 229-239. | 0.5 | 17 |
| 54 | Tree Spanners for Bipartite Graphs and Probe Interval Graphs. Algorithmica, 2007, 47, 27-51. | 1.0 | 21 |

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|---|---|---|---|
| 55 | On clique separators, nearly chordal graphs, and the Maximum Weight Stable Set Problem. Theoretical Computer Science, 2007, 389, 295-306. | 0.5 | 46 |
| 56 | On (ķ,â„“)-Leaf Powers. Lecture Notes in Computer Science, 2007, , 525-535. | 1.0 | 10 |
| 57 | Clique-Width for 4-Vertex Forbidden Subgraphs. Theory of Computing Systems, 2006, 39, 561-590. | 0.7 | 53 |
| 58 | Structure and linear time recognition of 3-leaf powers. Information Processing Letters, 2006, 98, 133-138. | 0.4 | 48 |
| 59 | Generalized Powers of Graphs and Their Algorithmic Use. Lecture Notes in Computer Science, 2006, , 423-434. | 1.0 | 4 |
| 60 | | | |

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|---|---|---|---|
| 73 | On minimal prime extensions of a four-vertex graph in a prime graph. Discrete Mathematics, 2004, 288, 9-17. | 0.4 | 9 |
| 74 | Structure and stability number of chair-, co-P- and gem-free graphs revisited. Information Processing Letters, 2003, 86, 161-167. | 0.4 | 16 |
| 75 | Stability number of bull- and chair-free graphs revisited. Discrete Applied Mathematics, 2003, 131, 39-50. | 0.5 | 16 |
| 76 | On linear and circular structure of (claw, net)-free graphs. Discrete Applied Mathematics, 2003, 129, 285-303. | 0.5 | 23 |
| 77 | On variations of P4-sparse graphs. Discrete Applied Mathematics, 2003, 129, 521-532. | 0.5 | 20 |
| 78 | On the structure and stability number of P5- and co-chair-free graphs. Discrete Applied Mathematics, 2003, 132, 47-65. | 0.5 | 40 |
| 79 | Tree Spanners for Bipartite Graphs and Probe Interval Graphs. Lecture Notes in Computer Science, 2003, , 106-118. | 1.0 | 5 |
| 80 | On Î±-redundant vertices in P5-free graphs. Information Processing Letters, 2002, 82, 119-122. | 0.4 | 7 |
| 81 | Maximum Weight Stable Set on graphs without claw and co-claw (and similar graph classes) can be solved in linear time. Information Processing Letters, 2002, 84, 251-259. | 0.4 | 33 |
| 82 | New Graph Classes of Bounded Clique-Width. Lecture Notes in Computer Science, 2002, , 57-67. | 1.0 | 15 |
| 83 | A note on Î±-redundant vertices in graphs. Discrete Applied Mathematics, 2001, 108, 301-308. | 0.5 | 28 |
| 84 | On Robust Algorithms for the Maximum Weight Stable Set Problem. Lecture Notes in Computer Science, 2001, , 445-458. | 1.0 | 2 |
| 85 | On stable cutsets in graphs. Discrete Applied Mathematics, 2000, 105, 39-50. | 0.5 | 36 |
| 86 | Recognizing the P4-structure of block graphs. Discrete Applied Mathematics, 2000, 99, 349-366. | 0.5 | 7 |
| 87 | Efficiently Recognizing the P 4 -Structure of Trees and of Bipartite Graphs Without Short Cycles. Graphs and Combinatorics, 2000, 16, 381-387. | 0.2 | 5 |
| 88 | Linear Time Algorithms for Hamiltonian Problems on (Claw,Net)-Free Graphs. SIAM Journal on Computing, 2000, 30, 1662-1677. | 0.8 | 19 |
| 89 | Split-Perfect Graphs: Characterizations and Algorithmic Use. Lecture Notes in Computer Science, 2000, , 71-82. | 1.0 | 0 |
| 90 | Convexity and HHD-Free Graphs. SIAM Journal on Discrete Mathematics, 1999, 12, 119-135. | 0.4 | 52 |

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|---|---|---|---|
| 91 | Tree- and forest-perfect graphs. Discrete Applied Mathematics, 1999, 95, 141-162. | 0.5 | 6 |
| 92 | On the stability number of claw-free P5-free and more general graphs. Discrete Applied Mathematics, 1999, 95, 163-167. | 0.5 | 21 |
| 93 | Recognizing the P4-structure of bipartite graphs. Discrete Applied Mathematics, 1999, 93, 157-168. | 0.5 | 7 |
| 94 | Distance Approximating Trees for Chordal and Dually Chordal Graphs. Journal of Algorithms, 1999, 30, 166-184. | 0.9 | 65 |
| 95 | The algorithmic use of hypertree structure and maximum neighbourhood orderings. Discrete Applied Mathematics, 1998, 82, 43-77. | 0.5 | 62 |
| 96 | The complexity of some problems related to Graph 3-colorability. Discrete Applied Mathematics, 1998, 89, 59-73. | 0.5 | 43 |
| 97 | Powers of hhd-free graphsâˆ—. International Journal of Computer Mathematics, 1998, 69, 217-242. | 1.0 | 2 |
| 98 | Dually Chordal Graphs. SIAM Journal on Discrete Mathematics, 1998, 11, 437-455. | 0.4 | 115 |
| 99 | Clique r-Domination and Clique r-Packing Problems on Dually Chordal Graphs. SIAM Journal on Discrete Mathematics, 1997, 10, 109-127. | 0.4 | 29 |
| 100 | Duchet-type theorems for powers of HHD-free graphs. Discrete Mathematics, 1997, 177, 9-16. | 0.4 | 4 |
| 101 | LexBFS-orderings and powers of chordal graphs. Discrete Mathematics, 1997, 171, 27-42. | 0.4 | 42 |
| 102 | Distance approximating trees for chordal and dually chordal graphs. Lecture Notes in Computer Science, 1997, , 78-91. | 1.0 | 2 |
| 103 | Partitions of graphs into one or two independent sets and cliques. Discrete Mathematics, 1996, 152, 47-54. | 0.4 | 70 |
| 104 | Perfect elimination orderings of chordal powers of graphs. Discrete Mathematics, 1996, 158, 273-278. | 0.4 | 15 |
| 105 | r-Dominating cliques in graphs with hypertree structure. Discrete Mathematics, 1996, 162, 93-108. | 0.4 | 17 |
| 106 | The algorithmic use of hypertree structure and maximum neighbourhood orderings. Lecture Notes in Computer Science, 1995, , 65-80. | 1.0 | 16 |
| 107 | On improved time bounds for permutation graph problems. Lecture Notes in Computer Science, 1993, , 1-10. | 1.0 | 9 |
| 108 | Classes of bipartite graphs related to chordal graphs. Discrete Applied Mathematics, 1991, 32, 51-60. | 0.5 | 22 |

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|---|---|---|---|
| 109 | The jump number problem for biconvex graphs and rectangle covers of rectangular regions. Lecture Notes in Computer Science, 1989, , 68-77. | 1.0 | 10 |
| 110 | Bipartite permutation graphs. Discrete Applied Mathematics, 1987, 18, 279-292. | 0.5 | 197 |
| 111 | The NP-completeness of steiner tree and dominating set for chordal bipartite graphs. Theoretical Computer Science, 1987, 53, 257-265. | 0.5 | 105 |
| 112 | On domination problems for permutation and other graphs. Theoretical Computer Science, 1987, 54, 181-198. | 0.5 | 76 |