

# Monica S Lam

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

3,753  
citations

759233

12  
h-index

940533

16  
g-index

27  
all docs

27  
docs citations

27  
times ranked

911  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Finding application errors and security flaws using PQL. ACM SIGPLAN Notices, 2005, 40, 365-383.  | 0.2 | 70        |
| 2  | Cloning-based context-sensitive pointer alias analysis using binary decision diagrams. , 2004, , .  |     | 380       |
| 3  | A practical flow-sensitive and context-sensitive C and C++ memory leak detector. , 2003, , .  |     | 110       |
| 4  | Automatic extraction of object-oriented component interfaces. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2002, , . | 0.7 | 119       |
| 5  | Blocking and array contraction across arbitrarily nested loops using affine partitioning. ACM SIGPLAN Notices, 2001, 36, 103-112.   | 0.2 | 17        |
| 6  | Program analysis with partial transfer functions. ACM SIGPLAN Notices, 1999, 34, 94-103.  | 0.2 | 2         |
| 7  | SUIF Explorer. ACM SIGPLAN Notices, 1999, 34, 37-48.  | 0.2 | 16        |
| 8  | The design, implementation and evaluation of SMART. Operating Systems Review (ACM), 1997, 31, 184-197.  | 1.9 | 4         |
| 9  | Compiler-directed page coloring for multiprocessors. Operating Systems Review (ACM), 1996, 30, 244-255.   | 1.9 | 3         |
| 10 | Compiler-directed page coloring for multiprocessors. ACM SIGPLAN Notices, 1996, 31, 244-255.  | 0.2 | 10        |
| 11 | Efficient context-sensitive pointer analysis for C programs. ACM SIGPLAN Notices, 1995, 30, 1-12.   | 0.2 | 152       |
| 12 | Data and computation transformations for multiprocessors. ACM SIGPLAN Notices, 1995, 30, 166-178.   | 0.2 | 20        |
| 13 | SMART. Operating Systems Review (ACM), 1995, 29, 233.   | 1.9 | 0         |
| 14 | SUIF. ACM SIGPLAN Notices, 1994, 29, 31-37.   | 0.2 | 382       |
| 15 | Array-data flow analysis and its use in array privatization. , 1993, , .  |     | 115       |
| 16 | Global optimizations for parallelism and locality on scalable parallel machines. , 1993, , .  |     | 238       |
| 17 | Communication optimization and code generation for distributed memory machines. , 1993, , .   |     | 153       |
| 18 | Efficient superscalar performance through boosting. , 1992, , .   |     | 73        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Design and evaluation of a compiler algorithm for prefetching. ACM SIGPLAN Notices, 1992, 27, 62-73.         | 0.2 | 35        |
| 20 | Design and evaluation of a compiler algorithm for prefetching. , 1992, , .                                   |     | 529       |
| 21 | Limits of control flow on parallelism. Computer Architecture News, 1992, 20, 46-57.                          | 2.5 | 30        |
| 22 | A data locality optimizing algorithm. ACM SIGPLAN Notices, 1991, 26, 30-44.                                  | 0.2 | 144       |
| 23 | Efficient and exact data dependence analysis. , 1991, , .  |     | 139       |
| 24 | A data locality optimizing algorithm. , 1991, , .  |     | 882       |
| 25 | Efficient and exact data dependence analysis. ACM SIGPLAN Notices, 1991, 26, 1-14.                           | 0.2 | 31        |
| 26 | Boosting beyond static scheduling in a superscalar processor. Computer Architecture News, 1990, 18, 344-354. | 2.5 | 57        |
| 27 | Boosting beyond static scheduling in a superscalar processor. , 1990, , .                                    |     | 42        |