A Bibliography of Publications about the RISC-V Open Source Computer Architecture

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Title word cross-reference

3 [ZBA+20].

000-core [DAKK19].

1 [DtEt22].

2-Petaflop [SB23], 2017 [BBdD17], 2019 [GD19, TBL19], 24th [BBdD17], 26th [TBL19].

30 [SB23], 30-Teraflops [SB23], 30-Teraflops/W [SB23], 32-Bit [MLPH23],
32/64 [MG22], 32/64-bit [MG22].

4096-Core [ZSB21].

511-Core [DXT+18].

64-bit [MG22].

ABI [AVS+22]. Abstraction [HZS+19].
Accelerating
[DtEt22, DAKK19, ERGK21, KKC+16]. Accelerator
[BDdD19b, DXT+18, KBBA17, PGW+20, RSRT19]. Achieving
[SZHB21]. Agile
[LWC+16, PGW+20, XYT+23]. ALU
[RTRM19]. Android [WWN23].
application [DL17]. application-specific
[DL17]. Applications [MPU+23].
Approach [LWC+16]. Architectural
[KKK+17a, KKK+17b, KKK+17c].
Architecture [FHL+22, PW17, ZSB21].
Architectures [DXT+18, ERGK21,

1
backend [TMK+16], bandwidth [ZZB+20].
Based [JHQ23, MLPH23, RTRM19].
RSRT19, ZZB+20. Binary [KGHRM23].
Bit [MLPH23, MG22]. BlackParrot
[PGW+20]. Blocking [JHQ23]. Blocks
[ZWB19]. Brew [Szk21]. Build [Szk21].
Building [LWC+16, ZWB19].

CakeML [TMK+16]. Can [Szk21].
Celerity [DXT+18]. channel [Bis21].
Channels [JHQ23]. Chip
[JJ+19]. Chiplet [Szk21]. Chips
[DXT+18]. circuit [KKC+16]. Classes
[JHQ23]. Classical [KGHRM23]. Codes
[KGHRM23]. Compiler [AS22, TMK+16].

Complete [FHL+22]. Composable
[ZWB19]. Compromising [Bis21].
Compute [DAKK19, GHHR21]. Computer
[BBdD17, TBL19, TSW+23]. Computing
[BBdD19b, KBB17, MPU+23, ZSB21, Gre20]. Conference [GD19]. Configurable
[TGRK21]. Constrained [ZHLR22].

Coprocessor
[BBdD19a, DEC+18, MPU+23]. Core
[DXT+18, GCR+23, TGRK19, TGRK21, ZSB21, DAKK19]. Coprocessors
[MLPH23, ZSB21, SB23]. Correction
[KGHRM23]. CPU [Szk21]. Cross
[VOK+22, WVN+23]. Cross-layer
[VOK+22]. Cross-Platform [WWN23].

Cryptography [Bis21, MLPH23].
Cryptographic [KGHRM23].

D [ZBA+20]. Data

Efficient [MPU+23]. Embedded
[SMP22, Ano20, KKC+16]. Emulation
[ZZB+20]. Enabled [TGRK19, TGRK21].

Enforcement [FHL+22]. Engine
[ERGK21]. entropy [SNM22].

Environments [AVS+22]. Error
[KGHRM23]. Error-Correction
[KGHRM23]. Esperanto [DtEt22].

ET-SoC-1 [DtEt22]. Evaluate [VOK+22].
Evaluation [AS22, GMFC23]. Even
[Szk21]. Exa [TSW+23]. Exa-Scale
[TSW+23]. Exact [KBB17]. Execution
[AVS+22, GCR+23]. Extension
[ABP22, KGHRM23, ZSB21, YCL+23].

Fabric [DXT+18]. Fast [DXT+18]. Faulty
[AVS+22]. Featuring [GCR+23]. Field
[KGHRM23]. First [SMP22]. Fixed
[YCL+23]. Fixed-point [YCL+23].

Floating
[Ano20, SEG20, ZSB21, BBdD19b].

Floating-Point
[Ano20, SEG20, ZSB21, BBdD19b]. Flow
[FHL+22]. FPGA [MLPH23]. FPGAs
[KG17, RTRM19, ZSB+20]. FreeBSD
[Hor20]. FreeBSD/RISC [Hor20].
FreeBSD/RISC-V [Hor20]. Full [ZSB21].
fully [Ano20].

Galois [KGHRM23]. gem5 [RSRT19].

Generation [GD19]. Getting [Hor20].

Hardware [KBB17, TML+17a, TML+17b, TML+17c, DL17]. Heterogeneous
Implement [ABP22]. High-bandwidth [ZB +20].
IEEE [BBdD17, TBL19]. ILA [HZS +19].
Instruction-Level [HZS +19]. Integration [ZB +20]. Integrity [FHL +22]. interface [SNM22]. interpreters [KKC +16].
IoT [ABP22]. IP [Bi21]. ISA [ABP22, KGHRM23, SZHB21, TML +17a, TML +17b, TML +17c]. Issue [SZHB21].
Japan [TBL19]. July [BBdD17]. June [TBL19].
Kyoto [TBL19].
Languages [WWN23]. Latency [MLPH23].
LLVM [RSRT19]. LLVM-Based [RSRT19].
London [BBdD17]. long [GMFC23].
long-vector [GMFC23]. Look [SMP22].
Low [ABP22, MLPH23, ERGK21]. Low-Latency [MLPH23].
Methodology [RTRM19, XYT +23].
Microprocessors [LWC +16]. MINOTAUr [GCR +23]. ML [DtEt22]. Model [DAKK19, TML +17a, TML +17b, TML +17c].
Native [WWN23]. Near [ZB +20].
Near-data [ZB +20]. NEC [GMFC23]. Networks [ERGK21]. Neural [ERGK21].
Numerics [BBdD19a].
Offs [ZHLR22]. Open [DXT +18, PW17, PGW +20, VOK +22, ZWB19].
Open-Source [DXT +18, PGW +20, VOK +22].
Packed [YCL +23]. Performance [AS22, Bi21, FHL +22, MPU +23, XYT +23].
Point [AVS +22, Ano20, SEG20, ZSB21, YCL +23, BBdD19b]. Poisoning [AVS +22].
Power [ABP22, ERGK21]. Practical [VOK +22]. Precision [BBdD19a, YCL +23, BBdD19b].
Programmable [DEC +18]. Programming
QEMU [Hor21a]. Quantum [KGHRM23].

Reader [PW17]. Recommendation [DtEt22]. Registers [SZHB21].


Saber [ZHLR22]. Scalable [RSRT19].

Scalar [BDdD19b]. Scale [DAKK19, TSW+23]. Scientific [BDdD19b].

Scripting [KKK+17a, KKK+17b, KKK+17c]. Security [FHL+22]. SEGGER [Ano20]. Semantic [SZHB21]. Short [KKC+16].

Short-circuit [KKC+16]. Side [Bis21, JHQ23]. Side-channel [Bis21].

Signal [ABP22]. SIMD [YCL+23].

simulation [MG22]. Singapore [GD19].


SMURF [BDdD19b]. SoC [DtEt22, HZS+19, MLPH23]. SoCs [PGW+20]. Soft [RTRM19]. Software [Bi21, TML+17a, TML+17b, TML+17c].

Source [DXT+18, PGW+20, SNM22, VOK+22]. specific [DL17]. Specification [HZS+19].


Spike [Hor21b]. SRAM [RTRM19].

SRAM-Based [RTRM19]. Started [Hor20].

Stream [SZHB21]. STT [ZBA+20].

STT-MRAM [ZBA+20]. Support [KKK+17a, KKK+17b, KKK+17c].

supported [Ano20]. SX [GMFC23].


System-on-Chip [HZS+19]. Systems [SMP22].


Timing [Bis21, GCR+23]. tool [MG22].

Torus [KG17]. Trade [ZHLR22].

Trade-Offs [ZHLR22]. TriCheck [TML+17a, TML+17b, TML+17c].

Trisection [TML+17a, TML+17b, TML+17c].

Tuning [AVS+22]. YCL [YCL+23].

TVM [YCL+23]. Type [BDdD19a]. Typed [KKK+17a, KKK+17b, KKK+17c].

UK [BBdD17]. Ultra [ABP22, ERGK21].


Utilization [SZHB21].
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PGW+20, SMP22, SNM22, SZHB21, SB23, Szk21, TGRK19, TGRK21, XYT+23, YCL+23, ZSB21, Zee22, ZHLR22, ZBA+20, V/Tensor [DtEt22], Variable [BDdD19a], Variable-Precision [BDdD19a], variant [Ano20], Vector [MPU+23, GMFC23], Verification [HZS+19, TML+17a, TML+17b, TML+17c], verified [TMK+16], virtual [KKC+16], Virtualization [SMP22], Vitruvius [MPU+23].

W [SB23], WasmAndroid [WWN23], WebRISC [MG22], WebRISC-V [MG22], Will [Gre20], Wireless [ABP22]. without [Bis21].

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[Eliahu:2021:MME]


[Feng:2022:RRV]


[Gruin:2023:MTP]

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Horne:2021:RQ


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**Kim:2017:TAAb**


**Kim:2017:TAAc**


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**Schuiki:2021:SSR**


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