A Complete Bibliography of the ACM Transactions on Computing Education (TOCE)

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA
Tel: +1 801 581 5254
FAX: +1 801 581 4148
E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/

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Title word cross-reference

1 [LRS21, Zin15]. 12 [BBSPK22, GES14, GYSH19, HAGM14, HAG15b, JK20, OWK21, TM14].

7th [SA20].


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[GBB+17, GK17, HOC17, KG18, TWH18].
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References

Alexandron:2014:SBP


Allinjawi:2014:ADA


Abuzaghleh:2013:IAH


Ahadi:2017:CTD


year [CGZ+20]. Young [BCZ19]. Youth [CMSP+19, CMSP20, FKG17, PS21, RG19].
REFERENCES

Armstrong:2020:KSA

Albluwi:2020:PPA

Acher:2017:TSP

Apiola:2012:CSL

Arawjo:2021:ICE

Allen:2022:TFT

Armoni:2015:SRP

Armoni:2011:LST
REFERENCES


REFERENCES

10:??, June 2014. CODEN ???? ISSN 1946-6226.


Bruce:2010:HLA


Bosnic:2019:AID


Baron:2014:CSE


Borstler:2016:TPC


Bellino:2021:RWA


Bowman:2021:IPP


Buchanan:2014:CSB

Sarah Buchanan and Joseph J. Laviola, Jr. CSTutor: a sketch-based tool for visualizing data

**Bellettini:2014:IEI**


**Bruce-Lockhart:2009:ATG**


**Braught:2018:MIP**


**Borstler:2011:QEI**


**Bennedsen:2010:BVD**


**Brown:2014:RR**


**Burgiel:2020:AHS**


REFERENCES


REFERENCES


REFERENCES

Dominguez:2020:FCA

Dominguez:2019:EAN

Doerschuk:2011:IHS

Duran:2021:RPB

Daleiden:2020:GPP

Daleiden:2020:ARC

Dolog:2016:APB
Peter Dolog, Lone Leth Thomsen, and Bent Thomsen. As-
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</thead>
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<td>Frezza:2019:ASI</td>
<td>S. Frezza, M. Daniels, and A. Wilkin. Assessing students’ IT professional values</td>
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August 2017. CODEN ???? ISSN 1946-6226.

**Guzdial:2014:GCI**


**Gal-Ezer:2014:TTC**


**Goldman:2010:SSC**


**Garousi:2020:UKG**


**Gates:2011:CAH**


**Grover:2017:UPL**


**Goode:2011:ECS**

REFERENCES


Herman:2012:DWW


Hjelsvold:2019:EEG


Hsu:2021:CBS


Hundhausen:2017:IBL


Hu:2013:UPH


Hao:2019:SIR


Hubwieser:2012:CSE

Hundhausen:2016:KTP


Hundhausen:2017:EDT


Isomottonen:2019:SGE


IP:2012:FNI


Isomottonen:2013:TPE


Isomottonen:2017:FBA

Jayathirtha:2020:ISS


Jones:2018:CCD


Johnson:2019:DEA


Kunkle:2016:IDT


Karavirta:2009:SMH


Kather:2022:TTT


Krusche:2018:STT


Kim:2011:EWC


**Korhonen:2018:SSI**


**Kiesmüller:2009:DLP**


**Keuning:2019:SLR**


**Kaila:2016:ROO**


**Kim:2021:ECT**


**Koulouri:2015:TIP**


**Kafai:2014:COA**

Yasmin B. Kafai, Eunkyung Lee, Kristin Searle, Deborah Fields, Eliot Kaplan, and Deborah Lui. A crafts-oriented approach to computing in high school: Introducing computational concepts, practices,


Peter E. J. Kemp, Billy Wong, and Miles G. Berry. Female performance and participation
REFERENCES


Lai:2022:BPC


Largen:2016:MUT


Liberman:2011:DLI


Lawlor:2020:CMS


Lyon:2021:AIW


Lyon:2019:CLI


Lyon:2021:CBC

REFERENCES


REFERENCES

Lunn:2022:HDE


Luse:2014:USE


Lachney:2021:ISS


Loraa:2022:SBC


Ladner:2011:ISI


Luburic:2019:FTS


Lukowiak:2014:CEB

REFERENCES


REFERENCES


[MFM+16] Brian Magerko, Jason Freeman, Tom Mcklin, Mike Reilly, Elise Livingston, Scott Mccoid, and Andrea Crews-Brown. EarSketch: a STEAM-based ap-
proach for underrepresented populations in high school computer science education.  
*ACM Transactions on Computing Education*, 16(4):14:1–14:??, October 2016. CODEN ???? ISSN 1946-6226.

**Magana:2013:IDB**

Alejandra J. Magana, Michael L. Falk, and Michael J. Reese, Jr. Introducing discipline-based computing in undergraduate engineering education. 

**MHP20**


**Mariani:2012:AAD**

Leonardo Mariani and Daniela Micucci. AuDeNTES: Automatic detection of tentative plagiarism according to a reference solution. 

**MMFR20**

Lauren E. Margulieux, Briana B. Morrison, Baker Franke, and Harivololona Ramilison. Effect of implementing subgoals in Code.org’s intro to programming unit in computer science principles. 

**Modesti:2021:SBA**

Paolo Modesti. A script-based approach for teaching and assessing Android application development. 
*ACM Transactions on Computing Education*, 21
REFERENCES


Marshall:2016:EPS


Margolis:2017:SMT


Maloney:2010:SPL


Miller:2011:WP


Meerbaum-Salant:2010:AC


Minnes:2021:WDC


Morales-Trujillo:2021:GSE

REFERENCES


[Mazur:2018:FTF]


[OGrady:2012:PPB]


[Nikula:2011:MGH]


[Outlay:2017:GIT]
REFERENCES


Ocker:2009:TSW


Ott:2016:TPE


Oleson:2021:RDK


Paterson:2009:PPS


Paterson:2009:PPS

[PGJS17] Ilias O. Pappas, Michail N. Giammokos, Letizia Jaccheri, and

Pappas:2017:ASB


Park:2015:AHC


Peters:2019:SEP


Yizhou Qian and James Lehman. Students’ misconceptions and

[Rahman:2021:REC]


[Rheingans:2011:RMG]


[Renaud:2013:THC]


[Rosson:2011:OUT]


[Richard:2019:DPF]


[Ross:2020:IBB]


[Richards:2009:DPB]

Debbie Richards. Designing project-based courses with a focus on group formation and assessment. *ACM Transactions on Computing Education*, 9(1):


Lennart Rolandsson and Inga-Britt Skogh. Programming in school: Look back to move


[San19] Ana Sánchez, César Domínguez, Jose Miguel Blanco, and Arturo Jaime. Incorporating computing professionals’ know-how: Differences between assessment by students, aca-

**Shapiro:2019:ISS**


**Sablis:2019:BLT**


**Shoufan:2010:CRP**


**Saltz:2018:SMG**


**Sherriff:2018:CLP**


**Sharmin:2022:CCL**


**Shesh:2013:TSU**


**Shin:2016:EMD**

Shin-Shing Shin. Evaluation of model driven architecture-based instruction for understanding phase transitions in


REFERENCES

Schaeckeler:2009:COP


Saltz:2019:IEW


Sentance:2018:CBR


Stepanova:2022:HCG


Taub:2012:CUM

Rivka Taub, Michal Armoni, and Mordechai Ben-Ari. CS unplugged and middle-school students’ views, attitudes, and intentions regarding CS. *ACM Transactions on Computing Education*, 12(2):8:1–8:??, April 2012. CODEN ???. ISSN 1946-6226.

Theodoropoulos:2017:HDD


Thota:2016:LCS

REFERENCES


[TM11b] Josh Tenenberg and Robert McCartney. Editorial: Entry points for computing education research. *ACM Trans-
Tenenberg:2014:ECE

Tenenberg:2015:LBL

Turner:2018:PRC

Taipalus:2020:SES

Talon:2012:DCI

Taipalus:2018:ECS

Tomkin:2018:IGP

Utting:2010:AGS
Ian Utting, Stephen Cooper, Michael Kölling, John Maloney, and Mitchel Resnick. Alice, Greenfoot, and Scratch — a discussion. ACM Transactions
REFERENCES


Urquiza-Fuentes:2009:SSE

Umapathy:2017:MAP

Vivian:2016:MAC

Vizcaíno:2019:EGA

Velázquez-Iturbide:2013:EMA

Vieira:2017:WCC

Vogel:2021:PDP
Vandenb

berg:2020:ESU

Wagner:2016:GPC

Wang:2011:EEU

Wiegand:2022:IIE

Weintrop:2020:TAE

Werner:2015:CPG

Werner:2020:CSG

Weston:2020:PWP
Timothy J. Weston, Wendy M. Dubow, and Alexis Kaminsky. Predicting women’s persistence in computer science and technology-related majors.
REFERENCES


**Witherspoon:2017:DCT**


**Walker:2010:CSL**


**Wolz:2011:CTE**


**Weintrop:2017:CBB**


**Wainer:2018:CEP**


**Webb:2022:SPB**


**Xinogalos:2015:OOD**

Yadav:2019:CSP

Yadav:2014:CTE

Yuen:2015:QSS

Yeomans:2019:TTS

Zhou:2020:TPE

Zhang:2015:IEF

