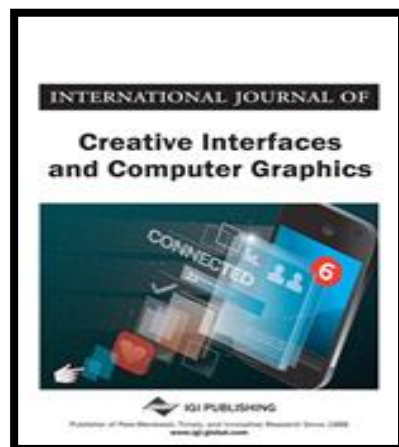
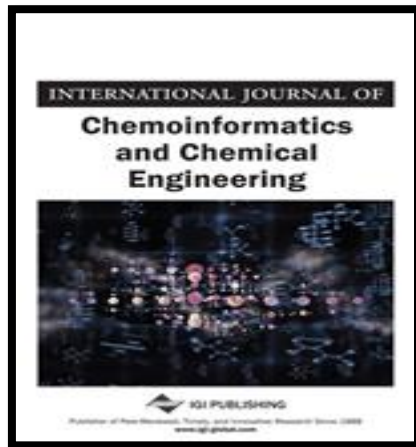


NEWLY RECEIVED PERIODICALS

MARCH 2019



TITLE	AUTHOR	PUBLICATION TITLE	VOLUME	ISSUE NUMBER	PAGE	MONTH	YEAR	TYPE
Synthesis and characterization of Chitosan-Poly vinyl alcohol graphene oxide nanocomposites	Saeedi, Fariba ; Montazeri, Arash ; Bahari, Yaser ; Pishvae, Malihe ; Ranjbar, Mohammad	International Journal of Chemoinformatics and Chemical Engineering	7	1	1	January-June	2018	Journal
Process synthesis and the G-H space for analysing and optimising biomass gasification	Ngubevana, Lwazi	International Journal of Chemoinformatics and Chemical Engineering	7	1	13	January-June	2018	Journal
Covalent radii and new applications	Zhang, Yonghe	International Journal of Chemoinformatics and Chemical Engineering	7	1	42	January-June	2018	Journal
The extraction of metal contaminants using supercritical carbon dioxide	Kang, Sesik ; Ju, Minsu ; Kim, Junghoon	International Journal of Chemoinformatics and Chemical Engineering	7	1	52	January-June	2018	Journal
FishEye - an integrated marine species' visualization	Nascimento, Tiago ; Gama, Sandra Pereira	International Journal of Creative Interfaces and Computer Graphics	9	2	1	July-Dec	2018	Journal
Tap and swipe activity zones on smartphones for novice older adults	Silva, Paula Alexander ; Leitao, Roxanne ; Kerwin, Maureen K.	International Journal of Creative Interfaces and Computer Graphics	9	2	18	July-Dec	2018	Journal
Depth maps and deep learning for facial analysis	Brito, Paulo C. ; Carvalho, Elizabeth S.	International Journal of Creative Interfaces and Computer Graphics	9	2	40	July-Dec	2018	Journal
FeelOpo : an interactive installation to explore the "beat of oporto"	Carvalho, Isabel ; Bidarra, Jose ; Porto, Carla	International Journal of Creative Interfaces and Computer Graphics	9	2	52	July-Dec	2018	Journal

TITLE	AUTHOR	PUBLICATION TITLE	VOLUME	ISSUE NUMBER	PAGE	MONTH	YEAR	TYPE
Suggesting points-of-interest via content-based, collaborative, and hybrid fusion methods in mobile devices	Arampatzis, A. ; Kalamatianos, G.	ACM Transactions on Information Systems	36	3	23		2018	Journal
Towards efficient framework for time-aware spatial keyword queries on road networks	Zhao, J. ; Gao, Y. ; Chen, G. ; Chen, R.	ACM Transactions on Information Systems	36	3	24		2018	Journal
Explicit diversification of event aspects for temporal summarization	McCreadie, R. ; Santos, R. L. T. ; Macdonald, C. ; Ounis, I.	ACM Transactions on Information Systems	36	3	25		2018	Journal
Exploiting user and venue characteristics for fine-grained tweet geolocation	Lim, E.-P. ; Chong, W.-H.	ACM Transactions on Information Systems	36	3	26		2018	Journal
Automatically learning topics and difficulty levels of problems in online judge systems	Zhao, W. X. ; Zhang, W. ; He, Y. ; Xie, X. ; Wen, J.-R.	ACM Transactions on Information Systems	36	3	27		2018	Journal
Selective cluster presentation on the search results page	Levi, O. I. ; Guy, I. ; Raiber, F. ; Kurland, O.	ACM Transactions on Information Systems	36	3	28		2018	Journal
Joint modeling of participant influence and latent topics for recommendation in event-based social networks	Liao, Y. ; Lam, W. ; Bing, L. ; Shen, X.	ACM Transactions on Information Systems	36	3	29		2018	Journal
The characteristics of voice search: comparing spoken with typed-in mobile web search queries	Guy, I.	ACM Transactions on Information Systems	36	3	30		2018	Journal

TITLE	AUTHOR	PUBLICATION TITLE	VOLUME	ISSUE NUMBER	PAGE	MONTH	YEAR	TYPE
CO2 : inferring personal interests from raw footprints by connecting the offline world with the online worlds	Guo, L. ; Zhang, D. ; Wang, Y. ; Wu, H. ; Cui, B. ; Tan, K.-L.	ACM Transactions on Information Systems	36	3	31		2018	Journal
Unsupervised learning of parsimonious general-purpose embeddings for user and location modeling	Yang, J. ; Eickhoff, C.	ACM Transactions on Information Systems	36	3	32		2018	Journal
GeoMF++ : scalable location recommendation via joint geographical modeling and matrix factorization	Lian, D. ; Zheng, K. ; Ge, Y. ; Cao, L. ; Chen, E. ; Xie, X.	ACM Transactions on Information Systems	36	3	33		2018	Journal
QuoteRec: toward quote recommendation for writing	Tan, J. ; Wan, X. ; Liu, H. ; Xiao, J.	ACM Transactions on Information Systems	36	3	34		2018	Journal
Introduction to frontiers of hardware and algorithms for on-chip learning	Cao, Y. ; Li, X. ; Seo, J.-S. ; Dasika, G.	ACM Journal on Emerging Technologies in Computing Systems	14	2	2		2018	Journal
Deep neural network optimized to resistive memory with nonlinear current-voltage characteristics	Kim, H. ; Kim, T. ; Kim, J. ; Kim, J.-J	ACM Journal on Emerging Technologies in Computing Systems	14	2	17		2018	Journal
Enegy-efficient neural computing with approximate multipliers	Sarwar, S. S. ; Venkataramani, S. ; Ankit, A. ; Raghunathan, A. ; Roy, K.	ACM Journal on Emerging Technologies in Computing Systems	14	2	23		2018	Journal
Real-time and low-power streaming source separation using Markov random field	Ko, G. G. ; Rutenbar, R. A.	ACM Journal on Emerging Technologies in Computing Systems	14	2	22		2018	Journal

TITLE	AUTHOR	PUBLICATION TITLE	VOLUME	ISSUE NUMBER	PAGE	MONTH	YEAR	TYPE
A GPUoutperforming FPGA accelerator architecture for binary convolutional neural networks	Li, Y. ; Liu, Z. ; Xu, K. ; Yu, H. ; Ren, F.	ACM Journal on Emerging Technologies in Computing Systems	14	2	16		2018	Journal
A study of complex deep learningnetworks on high-performance , neuromorphic, and quantum computers	Potok, Thomas E. ; Schuman, Catherine, Young, Steven ; Patton, Robert ; Spedalieri, Federico ; Liu, Jeremy ; Yao, Ke-Thia ; Rose, Garrett, Chakma, Gangotree	ACM Journal on Emerging Technologies in Computing Systems	14	2	21		2018	Journal
Silicon photonics of computing systems	Xu, J. ; Nakamura, Y. ; Kahng, A.	ACM Journal on Emerging Technologies in Computing Systems	14	2	2		2018	Journal
A learning-based thermal-sensitive power optimization : approach for optical NoCs	Zhang, Zhe ; Ye, Yaoyao	ACM Journal on Emerging Technologies in Computing Systems	14	2	21		2018	Journal
A process-variation-tolerant method for nanophotonic NoCs through application-specific mapping	Xu, Y. ; Yang, J. Melhem, R.	ACM Journal on Emerging Technologies in Computing Systems	14	2	23		2018	Journal
Reducing power consumption of lasers in photonic NoCs through application-specific mapping	Fusella, E. ; Cilaro, A.	ACM Journal on Emerging Technologies in Computing Systems	14	2	11		2018	Journal

TITLE	AUTHOR	PUBLICATION TITLE	VOLUME	ISSUE NUMBER	PAGE	MONTH	YEAR	TYPE
Offline optimization of wavelength allocation and laser power in nanophotonic interconnects	Luo, J. ; Killian, C. ; Le Beux, S. ; Chillet, D. ; Sentieys, O. ; O'Connor, I.	ACM Journal on Emerging Technologies in Computing Systems	14	2	19		2018	Journal
SHARP : shared heterogeneous architecture with reconfigurable photonic network-on-chip	VanWinkle, S. ; Kodi, A. K.	ACM Journal on Emerging Technologies in Computing Systems	14	2	22		2018	Journal
An integrated nanophotonic parallel adder	Ishihara, T. ; Shinya, A. ; Inoue, K. ; Nozaki, K. ; Notomi, M.	ACM Journal on Emerging Technologies in Computing Systems	14	2	20		2018	Journal
Integrated high-speed optical SerDes over 100GBd based on optical time division multiplexing	Xu, S. ; Luo, Z. ; Lai, M. ; Pang, Z. ; Li, R.	ACM Journal on Emerging Technologies in Computing Systems	14	2	16		2018	Journal
MFNW: an MLC/TLC flip-n-write architecture	Alsuwaiyan, A. ; Mohanram, K.	ACM Journal on Emerging Technologies in Computing Systems	14	2	32		2018	Journal
A chip-level anti-reverse engineering technique	Chen, S. ; Chen, J. ; Wang, L.	ACM Journal on Emerging Technologies in Computing Systems	14	2	20		2018	Journal
Kogge-stone adder realization using 1S1R resistive switching crossbar arrays	Bhattacharjee, D. ; Siemon, A. ; Linn, E. ; Menzel, S. ; Chattopadhyay, A.	ACM Journal on Emerging Technologies in Computing Systems	14	2	14		2018	Journal
Framework for quantifying and managing accuracy in stochastic circuit design	Neugebauer, F. ; Polian, I. ; Hayes, J. P.	ACM Journal on Emerging Technologies in Computing Systems	14	2	21		2018	Journal

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Framework for quantifying and managing accuracy in stochastic circuit design	Neugebauer, F. ; Polian, I. ; Hayes, J. P.	ACM Journal on Emerging Technologies in Computing Systems	14	2	21		2018	Journal
Opportunistic spectrum allocation for interference mitigation amongst coexisting wireless body area networks	Movassaghi, S. ; Smith, D. B. ; Abolhasan, M. ; Jamalipour	ACM on Transactions on Sensor Networks	14	2	22		2018	Journal
Cichon, J. ; Gotfryd, K.	Average counting via approximate histograms	ACM on Transactions on Sensor Networks	14	2	32		2018	Journal
Chandio, Y. ; Bitsch, J. A. ; Syed, A. ; Alizai, M. H.	Networking wireless energy in embedded networks	ACM on Transactions on Sensor Networks	14	2	31		2018	Journal
Adu-Manu, K. A. ; Adam, N. ; Tapparello, C. ; Ayatollahi, Heinzelman, W.	Energy-harvesting wireless sensor networks (EH-WSNs) : a review	ACM on Transactions on Sensor Networks	14	2	50		2018	Journal
Harmonium : ultra wideband pulse generation with bandstitched recovery for fast, accurate and robust indoor localization	Pannuto, P. ; Kempke, B. ; Chuo, L.-X. ; Blaauw, D. ; Dutta, P.	ACM on Transactions on Sensor Networks	14	2	29		2018	Journal
Exploiting electrical grid for accurate and secure clock synchronization	Viswanathan, S. ; Tan, R. ; Yau, D. K. Y.	ACM on Transactions on Sensor Networks	14	2	32		2018	Journal
Natural timestamps in powerline electromagnetic radiation	Li, Y. ; Tan, R. ; Yau, D. K. Y.	ACM on Transactions on Sensor Networks	14	2	30		2018	Journal

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Non-bayesian social learning with observation reuse and soft switching	Bhotto, M. Z. A. ; Tay, W. P.	ACM on Transactions on Sensor Networks	14	2	21		2018	Journal
Differentiating clear channel assessment using transmit power variation	King, A. ; Roedig, U	ACM on Transactions on Sensor Networks	14	2	28		2018	Journal