



رزومه علمی، پژوهشی و آموزشی

مشخصات فردی:

نام	نام خانوادگی	تاریخ تولد	پست الکترونیکی
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سمت فعلی:

- دانشیار گروه مهندسی کامپیوتر دانشگاه آزاد اسلامی استان خوزستان
- مدیر عامل شرکت فنی مهندسی دانش رایان شریف

افتخارات:

- استاد نمونه دانشگاه آزاد اسلامی واحد دزفول در سال تحصیلی ۸۷-۸۸
- پژوهشگر برتر دانشگاه آزاد اسلامی واحد دزفول در سال تحصیلی ۸۸-۸۹
- استاد نمونه دانشگاه آزاد اسلامی واحد دزفول در سال تحصیلی ۸۹-۹۰
- پژوهشگر برتر دانشگاه آزاد اسلامی واحد دزفول در سال تحصیلی ۹۷-۹۸
- پژوهشگر برتر دانشگاه های آزاد استان خوزستان در سال تحصیلی ۹۷-۹۸
- پژوهشگر برتر دانشگاه های شمال استان خوزستان در سال تحصیلی ۹۸-۹۹
- پژوهشگر برتر دانشگاه های آزاد استان خوزستان در سال تحصیلی ۹۸-۹۹
- پژوهشگر برتر دانشگاه های استان خوزستان در سال ۱۴۰۱
- پژوهشگر برتر دانشگاه آزاد اسلامی در سال ۱۴۰۲

سوابق اجرایی:

- مدیر گروه کارشناسی ارشد مهندسی کامپیوتر دانشگاه آزاد اسلامی دزفول طی سال های ۱۳۸۶ تا ۱۳۹۱
- ریاست دانشکده فنی و مهندسی دانشگاه آزاد اسلامی واحد دزفول طی سال های ۱۳۹۳ تا ۱۳۹۵
- عضو تیم مصاحبه کننده صلاحیت های علمی گروه مهندسی کامپیوتر استان خوزستان
- مشاور ارشد فناوری اطلاعات سازمان امور مالیاتی استان خوزستان طی سال های ۱۳۸۹ تا ۱۳۹۳

- مدیر گروه دکترای مهندسی کامپیوتر دانشگاه آزاد اسلامی واحد دزفول ۱۳۹۳ تا ۱۳۹۷
- ریاست کارگروه تخصصی امتحان جامع مهندسی کامپیوتر استان خوزستان در سال ۱۳۹۶ تا ۱۳۹۹
- عضو شورای پژوهشی دانشگاه آزاد اسلامی واحد دزفول در سال ۱۴۰۰ تا ۱۴۰۱
- عضو شورای انتشارات دانشگاه آزاد اسلامی واحد دزفول ۱۳۹۸ تا ۱۴۰۰
- مدیر گروه کارشناسی مهندسی کامپیوتر واحد اهواز ۱۴۰۲ تا ۱۴۰۴
- عضویت در کمیته تخصصی برنامه ریزی درسی و آموزشی مهندسی کامپیوتر و فناوری اطلاعات دانشگاه آزاد اسلامی
- عضو مدیران گروه کشوری رشته مهندسی کامپیوتر از سال ۱۴۰۲ لغایت ۱۴۰۴
- عضو کارگروه پیش دفاع متمرکز مهندسی کامپیوتر و فناوری اطلاعات از سال ۱۴۰۲
- ریاست دانشکده فنی و مهندسی دانشگاه آزاد اسلامی اهواز از ۱۴۰۳

دروس تدریس شده:

کارشناسی:

برنامه نویسی کامپیوتر، شبکه های کامپیوتری، سیستم عامل، مدارهای منطقی، معماری کامپیوتر، ریزپردازنده

تحصیلات تکمیلی:

معماری کامپیوتر پیشرفته، طراحی مدارات با فناوری نانو، محاسبات کوانتومی، پردازش موازی، پردازش سیگنال های دیجیتال، نظریه اطلاعات و کدینگ، پردازش و شناسایی سیگنال گفتار، پنهان نگاری اطلاعات، هوش محاسباتی و یادگیری ماشین

مهارت ها:

- زبان های برنامه نویسی C, C++, C#, MATLAB و Python
- مدیریت محتوا WordPress
- طراحی صفحات وب
- طراحی و پیکربندی شبکه های کامپیوتری
- پردازش صوت و تصویر با MATLAB
- زبان توصیف سخت افزار VHDL

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زمینه های مورد علاقه تحقیقاتی:

- محاسبات کوانتومی
- داده کاوی و تحلیل کلان داده
- پنهان نگاری و نهان نگاری اطلاعات

- آنالیز شبکه‌های اجتماعی
- اینترنت اشیا
- توسعه برنامه‌های کاربردی هوشمند

کتاب چاپ شده:

- ترجمه جلد اول کتاب Introduction to Machine Learning، انتشارات واحد دزفول در سال ۱۳۹۵
- ترجمه جلد دوم کتاب Introduction to Machine Learning، انتشارات واحد دزفول در سال ۱۴۰۱

ثبت اختراعات:

- سیستم دیجیتالی قرائت کتور (آب، گاز و برق) از پشت درب منازل
- تله آنالیزور مثلثاتی هندسی کلونی موش

طرح‌ها پژوهشی:

- طراحی و پیاده‌سازی نرم افزار تخصصی مهندسی عملیات نمودارگیری سطحی با قابلیت تطبیق با تمام یونیت‌های نمودارگیری سطحی، شرکت ملی حفاری ایران (طرح برون دانشگاهی-سامانه سateع)
- ارائه یک روش ترکیبی مبتنی بر HMM-GA به منظور تسریع الگوریتم‌های بازشناسی گفتار (طرح درون دانشگاهی)
- ارائه و پیاده سازی یک معماری جدید به منظور تشخیص گفتار متصل با قابلیت بکارگیری قواعد گرامری در قالب اتوماتای حالت محدود (طرح درون دانشگاهی)
- ارائه یک الگوی جدید به منظور واترمارکینگ داده های صوتی (طرح درون دانشگاهی)
- ارائه یک روش واترمارکینگ صوت تطبیقی به منظور افزایش مقاوم پذیری در برابر حملات با استفاده از الگوریتم های بهینه سازی و تکنیک های هوش محاسباتی (طرح درون دانشگاهی)
- ارائه یک دسته بند جدید به منظور بازشناسی گفتار فارسی مبتنی بر روش پاداش-جریمه (طرح درون دانشگاهی)

راهنمایی و مشاوره:

- استاد راهنما بیش از ۱۵ دانشجوی دکتری مهندسی کامپیوتر
- استاد راهنما بیش از ۷۰ دانشجوی کارشناسی ارشد مهندسی کامپیوتر
- مشاوره بیش از ۵۰ دانشجوی تحصیلات تکمیلی (ارشد و دکتری)

Year 2025

1. Sanaz Nourozi Larki, Mohammad Mosleh and Mohammad Kheyrandish, "Towards quantum audio steganalysis using synergy of quantum Fourier transform and quantum neural network", Engineering Applications of Artificial Intelligence(Publisher, Elsevier, Q1)
2. Zainab Hadi Saleh, Mohammad Mosleh, Mohamed Adel Al- Shahe and Mahdi Mosleh, "Towards decoding motor imagery from EEG signal using optimized back propagation neural network with honey badger algorithm", Scientific Reports (Publisher: Nature, Q1)
3. Hadi Rasmi, Mohammad Mosleh, Nima Jafari Navimipour and Mohammad Kheyrandish, "Towards a scalable and efficient full- adder structure in atomic silicon dangling band technology", Nano Communication Networks(Publisher: Elsevier, Q2)
4. Mojtaba Noorallahzadeh and Mohammad Mosleh, "Synthesis of a reversible quantum Vedic multiplier on IBM quantum computers", Scientific Reports(Publisher: Nature, Q1)
5. Seyed-Sajad Ahmadpour, Nima Jafari Navimipour, Mohammad Mosleh, Mojtaba Noorallahzadeh, Sankit Kassa and Suhaib Ahmed," A new fault-tolerance majority voter circuit for quantum-based nano-scale digital systems", Journal of Computational Electronics (Publisher: Springer, Q3)
6. Mojtaba Asadboland, Amin Mehranzadeh and Mohammad Mosleh, "CTWR: A congestion, temperature and wear-aware routing algorithm for partially-connected 3D network-on-chip", Computer and Electronic Engineering(Publisher: Elsevier, Q1)
7. Masoumeh Velayatipour, Mohammad Mosleh, Mohsen Yoosefinejad and Mohammed Kheyrandish, "Towards secure quantum communication: a novel quantum audio watermarking based on bipolar echo hiding", Computing(Publisher: Springer, Q2)

Year 2024

8. Mojtaba Noorallahzadeh, Mohammad Mosleh," A new design of parity-preserving reversible multipliers based on multiple-control Toffoli synthesis targeting emerging quantum circuits ", Frontiers of Computer Science(Publisher: Springer, Q1)
9. Mohammad Kheyrandish, Mohammad Mosleh," A novel algorithm based on a modified PSO to predict 3D structure for proteins in HP model using Transfer Learning", Expert Systems with Applications (Publisher: Elsevier, Q1)
10. Shahrokh Nemattabar, Mohammad Mosleh, Majid Haghparast and Mohammad Kheyrandish," Advancing nanoscale computing: Efficient reversible ALU in quantum-dot cellular automata", Nano Communication Networks (Publisher: Elsevier, Q2)
11. Javad Chaharlang, Mohammad Mosleh and Mohammad Kheyrandish," Quantum Reversible Audio Steganalysis Using Quantum Schmidt Decomposition and Quantum Support Vector Machine", Journal of Information Security and Applications(Publisher: Elsevier, Q2)
12. Kian Negahdar, Mohammad Mosleh, Nima Jafari Navimipour and Alireza Shahrbanooenezhad," Toward implementing robust quantum logic circuits using effectual fault-tolerant majority voter gate", Material Science and engineering: B(Publisher: Elsevier, Q2)

13. Hadi Rasmi, Mohammad Mosleh, Nima Jafari Navimipour and Mohammad Kheyrandish, " Towards Atomic Scale Quantum Dots in Silicon: An Ultra-Efficient and Robust Subtractor Using Proposed P-Shaped Pattern ", IEEE Transactions on Nanotechnology(IEEE, Q3)
14. Hadi Rasmi, Mohammad Mosleh, Nima Jafari Navimipour and Mohammad Kheyrandish," An ultra-efficient 2:1 multiplexer using bar-shaped pattern in atomic silicon dangling bond technology ", Journal of Supercomputing,(Publisher: Springer, Q2)
15. Mostafa Matin, Amin Mehranzadeh and Mohammad Mosleh," HTPA: a hybrid traffic pattern aware arbitration strategy for network on chip systems ", Cluster Computing (Publisher: Springer, Q1)
16. Salman Mokhtarzadeh, Behzad Zamani Dehkordi, Mohammad Mosleh and Ali Barati," Time-sensitive propagation values discount centrality measure ", Computing(Publisher:Springer:Q2)
17. Hadi Rasmi, Mohammad Mosleh, Nima Jafari Navimipour and Mohammad Kheyrandish," Novel efficient and scalable design of full-adder in atomic silicon dangling bonds (ASDB) technology ", Physica Scripta(Publisher: IOP Press,Q2)

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18. Fatemeh Akbarian, Mohammad Mosleh, "Towards nanoscale fault-tolerant logical circuits using proposed robust majority voter in quantum-dot cellular automata technology", Nano Communication Networks(Publisher: Elsevier, Q2)
19. Hadi Rasmi, Mohammad Mosleh, Nima Jafari Navimipour, Mohammad Kheyrandish," Novel efficient and scalable design of full-adder in atomic silicon dangling bonds (ASDB) technology ", Physica Scripta, (Publisher: IOP Publishing, Q2)
20. Sanaz Norouzi Larki, Mohammad Mosleh, Mohammad Kheyrandish," Electronic and Cyber Defense", Electronic and Cyber Defense (Publisher: Imam Hussein University)
21. Ali Mokhtarbaf, Hamed Saghaei, Mohammad Mosleh, Mohsen Chekin," Efficient design of all-optical AND and OR logic gates using fluid infiltration in silicon-based photonic crystal platform", Optical and Quantum Electronics(Publisher: Springer, Q2)
22. Seyed-Sajad Ahmadpour, Nima Jafari Navimipour, Mohammad Mosleh, Ali Nawaz Bahar, Senay Yalcin," A nano-scale n-bit ripple carry adder using an optimized XOR gate and quantum-dots technology with diminished cells and power dissipation", Nano Communication Networks(Publisher: Elsevier, Q2)
23. Mojtaba Noorallahzadeh, Mohammad Mosleh, Neeraj Kumar Misra, Amin Mehranzadeh," A novel design of reversible quantum multiplier based on multiple-control Toffoli synthesis", Quantum Information Processing (Publisher: Springer, Q1)
24. Sanaz Norouzi Larki, Mohammad Mosleh, Mohammad Kheyrandish," Quantum Audio Steganalysis Based on Quantum Fourier Transform and Deutsch–Jozsa Algorithm",Circuits, Systems, and Signal Processing(Publisher: Springer, Q3)
25. Seyed-Sajad Ahmadpour, Nima Jafari Navimipour, Ali Nawaz Bahar, Mohammad Mosleh, Senay Yalcin," An Energy-Aware Nano-Scale Design of Reversible Atomic Silicon based on Miller Algorithm", IEEE Design & Test (Publisher: IEEE, Q2)
26. Seyed Sajad Ahmadpour, Nima Jafari Navimipour, Mohammad Mosleh, Senay Yalcin," Nano-design of ultra-efficient reversible block based on quantum-dot cellular automata", Frontiers of Information Technology & Electronic Engineering(Publisher: Springer, Q2)

27. Ali Mokhtarbaf, Mohammad Mosleh, Hamed Saghaei, Mohsen Chekin, "Design and simulation of all-optical majority gates using fluid infiltration approach in photonic crystal slab", *Optical and Quantum Electronics*(Publisher: Springer, Q2)
28. Mojtaba Noorallahzadeh, Mohammad Mosleh, Seyed-Sajad Ahmadpour, Jayanta Pal, Bibhash Sen, "A new design of parity preserving reversible Vedic multiplier targeting emerging quantum circuits", *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*(Publisher: John Wiley & Sons, Inc., Q3)

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29. Masoumeh Velayatipour, Mohammad Mosleh and Mohammad Kheyrandish, "Quantum reversible circuits for audio watermarking based on echo hiding technique", *Quantum Information Processing*(Publisher: Springer, Q1)
30. Mohammad Talebi, Mohammad Mosleh, Majid Haghparsat and Mohsen Chekin "Effective scheme of parity-preserving-reversible floating-point divider", *European Physical Journal Plus*(Publisher: Springer, Q2)
31. Akram Abasizadeh, Mohammad Mosleh and Seyed-Sajad Ahmadpour, "An optimized arithmetic logic unit in quantum-dot cellular automata (QCA) technology", *OPTIK*(Publisher: Elsevier, Q2)
32. Ehsan Jokar, Mohammad Mosleh and Mohammad Kheyrandish, "Overlapping community detection in complex networks using fuzzy theory, balanced link density, and label propagation", *Expert Systems*(Publisher: Wiley, Q2)
33. Ehsan Jokar, Mohammad Mosleh and Mohammad Kheyrandish, "Discovering community structure in social networks based on the synergy of label propagation and simulated annealing", *Multimedia Tools and Applications*(Publisher: Springer, Q2)
34. Seyed-Sajad Ahmadpour, Mohammad Mosleh and Saeed Rasouli Heikalabad, "Efficient designs of quantum-dot cellular automata multiplexer and RAM with physical proof along with power analysis" *Journal of Supercomputing*(Publisher: Springer, Q2)
35. Yaser Rahmani, Saeed Rasouli Heikalabad and Mohammad Mosleh, "A novel reversible 2-1 multiplexer scheme in quantum-dot cellular automata", *Optical and Quantum Electronics*(Publisher: Springer, Q2)
36. Parisa Godarzi, Amir Masoud Rahmani and Mohammad Mosleh, "A mathematical optimization model using red deer algorithm for resource discovery in CloudIoT", *Transactions on Emerging Telecommunications Technologies*(Publisher: Wiley, Q3)
37. Parisa Godarzi, Amir Masoud Rahmani and Mohammad Mosleh, "Resource discovery approaches in CloudIoT: a systematic review", *Journal of Supercomputing*(Publisher: Springer, Q2)
38. Seyed-Sajad Ahmadpour, Nima Jafari Navimipour, Mohammad Mosleh, "An efficient and energy-aware design of a novel nano-scale reversible adder using a quantum-based platform", *Nano Communication Networks*(Publisher: Elsevier, Q2)

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39. Mohammad-Ali Asadi, Mohammad Mosleh and Majid Haghparsat, "Towards designing quantum reversible ternary multipliers", *Quantum Information Processing*, (Publisher: Springer, Quartile 1(Q1), Impact factor: 2.43)
40. Seyed-Sajad Ahmadpour, Mohammad Mosleh and Saeed Rasouli-Heikalabad, "Efficient designs of quantum-dot cellular automata multiplexer and RAM with

- physical proof along with power analysis", Journal of Supercomputing (Publisher: Springer, Quartile 2(Q2), Impact factor: 2.469)
41. Mojtaba Noorallahzadeh, Mohammad Mosleh, Seyed-Sajad Ahmadpour, 2021," Efficient Designs of Reversible Synchronous Counters in Nano Scale", Circuit, Systems and Signal Processing, (Publisher: Springer, Quartile 2(Q2), Impact Factor:1.681)
 42. Mojtaba Noorallahzadeh and Mohammad Mosleh, 2021, " Efficient Designs of Reversible Shift Register Circuits with low Quantum Cost", Journal of Circuits, Systems, and Computers (Publisher: World Scientific, Quartile 3(Q3), Impact Factor:1.36)
 43. Yaser Rahmani, Saeed Rasouli Heikalabad and Mohammad Mosleh, 2021," Efficient structures for fault-tolerant majority gate in quantum-dot cellular automata", optical and Quantum Electronics (Publisher: Springer, Quartile 3(Q2), Impact Factor: 1.842)
 44. Mahdi Mosleh, Saeed Setayeshi, Behrang Barkatain and Mohammad Mosleh, 2021, " A Novel Audio Watermarking Scheme based on Fuzzy Inference System in DCT Domain", Multimedia Tools and Application (Publisher: Springer, Quartile 1(Q1), Impact Factor: 2.313)
 45. Ali Newaz Bahar, Khan A Wahid, Seyed-Sajad Ahmadpour, Mohammad Mosleh, 2020,"", IEEE Transactions on Nanotechnology (Publisher: IEEE, Quartile 2(Q2), Impact Factor: 2.196)

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46. Mohammad-Ali Asadi, Mohammad Mosleh and Majid Haghparast, 2020," Toward novel designs of reversible ternary 6:2 Compressor using efficient reversible ternary full-adders ", The Journal of Supercomputing (Publisher: Springer, Quartile 2(Q2), Impact Factor: 2.15)
47. Seyed Mostafa Pourhashemi, Mohammad Mosleh and Yousef Erfani,2020," A novel audio watermarking scheme using ensemble-based watermark detector and discrete wavelet transform", Neural Computing and Applications, (Publisher: Springer, Quartile 1(Q1), Impact Factor:4.774)
48. Ali Newaz Bahar, Khan A. Wahid, Seyed-Sajad Ahmadpour and Mohammad Mosleh,2020," Atomic Silicon Quantum Dot: A new designing paradigm of atomic logic circuit ", IEEE Transaction on Nano Technology (Publisher: IEEE, Quartile 2(Q2), Impact Factor:2.196)
49. Mohammad-Ali Asadi, Mohammad Mosleh and Majid Haghparast, 2020, " A novel reversible ternary coded decimal adder/subtractor " Journal of Ambient Intelligence and Humanized (Publisher: Springer, Quartile 1(Q1), Impact Factor:4.52)
50. Seyed-Sajad Ahmadpour, Mohammad Mosleh and Saeed Rasouli-Heikalabad, 2020, " The design and implementation of a robust single-layer QCA ALU using a novel fault-

tolerant three-input majority gate" The Journal of Supercomputing (Publisher: Springer, Quartile 2(Q2), Impact Factor: 2.15)

51. Mojtaba Noorallahzadeh and Mohammad Mosleh, 2020, " Efficient Designs of Reversible BCD to EX-3 Converter with Low Quantum Cost in Nano Scale", International Journal of Quantum Information (Publisher: World Scientific, Quartile 3(Q3), Impact Factor:1.17)
52. Seyed-Sajad Ahmadpour, Mohammad Mosleh and Mohammad-Ali Asadi, 2020, " The Development of an Efficient 2-to-4 Decoder in Quantum-Dot Cellular Automata", Iranian Journal of Science and Technology, Transactions (Publisher: Springer, Quartile 3(Q3), Impact Factor:0.657)
53. Mohammad-Ali Asadi, Mohammad Mosleh and Majid Haghparsat, 2020, " An Efficient Design of Reversible Ternary Full-Adder/Full-Subtractor with Low Quantum Cost", Quantum Information Processing (Publisher: Springer, Quartile 1(Q1), Impact Factor: 2.22)
54. Meysam Rashno, Majid Haghparsat and Mohammad Mosleh, 2020, " A new design of a low-power reversible Vedic multiplier", International Journal of Quantum Information (Publisher: World Scientific, Quartile 3(Q3), Impact Factor:1.17)
55. Mohsen Yoosefi Nejad, Mohammad Mosleh and Saeed Rasouli Heikalabad,2020, "A Blind Quantum Audio Watermarking Based on Quantum Discrete Cosine Transform", Journal of Information Security and Applications (Publisher: Elsevier, Quartile 2(Q2), Impact Factor: 2.37)
56. Akram Abasizadeh and Mohammad Mosleh, 2020," An Ultra-dense 2 to 4 Decoder in Quantum-dot Cellular Automata Technology Based on MV32 Gate ", ETRI Journal (Publisher: Wiley, Quartile 3(Q3), Impact Factor: 1.09)
57. Javad Chaharlang, Mohammad Mosleh and Saeed Rasouli Heikalabad, 2020, " A Novel Quantum Steganography-Steganalysis System for Audio Signals", Multimedia Tools and Application, (Publisher: Springer, Quartile 1(Q1), Impact Factor:2.313))
58. Seyed-Sajad Ahmadpour, Mohammad Mosleh and Saeed Rasouli Heikalabad, 2020, "An Efficient Fault-tolerant Arithmetic Logic Unit Using a Novel Fault-tolerant 5-input Majority Gate in Quantum-dot Cellular Automata", Computer & Electrical Engineering (Publisher: Elsevier, Quartile 2(Q2), Impact Factor:2.66)
59. Javad Chaharlang, Mohammad Mosleh and Saeed Rasouli Heikalabad, 2020 "A Novel Quantum Audio Steganography-Steganalysis Approach Using LSFQ-based Embedding and QKNN-based Classifier", Circuit, Systems and Signal Processing, (Publisher: Springer, Quartile 2(Q2), Impact Factor:1.68)
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62. Seyed-Sajad Ahmadpour and Mohammad Mosleh , 2019, "A novel ultra-dense and low-power structure for fault-tolerant three-input majority gate in QCA technology", *Concurrency and Computation: Practice and Experience*, (Publisher: Wiley, Quartile 2(Q2), Impact Factor:1.167)
63. Mohsen Yoosefi Nejad, Mohammad Mosleh and Saeed Rasouli Heikalabad, 2019, "An LSB-based quantum audio watermarking using MSB as arbiter", *International Journal of Theoretical Physics*, (Publisher: Springer, Quartile 3(Q3), Impact Factor:1.121)
64. Mahdi Mosleh, Saeed Setayeshi, Behrang Barkatain and Mohammad Mosleh, 2019, "High-capacity, transparent and robust audio watermarking based on synergy between DCT transform and LU decomposition using genetic algorithm", *Analog Integrated Circuits and Signal Processing*, (Publisher: Springer, Quartile 3(Q3), Impact Factor: 0.823)
65. Zahra Ariafar and Mohammad Mosleh, 2019, "Effective Designs of Reversible Vedic Multiplier ", *International Journal of Theoretical Physics*, (Publisher: Springer, Quartile 3(Q3), Impact Factor:1.121)
66. Fereshteh Ghanbari-Adivi and Mohammad Mosleh, 2019, "Text emotion detection in social networks using a novel ensemble classifier based on Parzen Tree Estimator (TPE)" *Neural Computing and Applications*, (Publisher: Springer, Quartile 1(Q1), Impact Factor:4.664)
67. Seyed Mostafa Pourhashemi, Mohammad Mosleh and Yousef Erfani, 2019, "Audio Watermarking based on Synergy between Lucas Regular Sequence and Fast Fourier Transform", *Multimedia Tools and Applications*, (Publisher: Springer, Quartile 1(Q1), Impact Factor:2.101))
68. Mojtaba Noorallahzadeh and Mohammad Mosleh, 2019, "Efficient Designs of Reversible Latches with Low Quantum Cost", *IET Circuits, Devices & Systems*, (Publisher: IEEE, Quartile 3(Q3), Impact Factor:1.227)
69. Seyed-Sajad Ahmadpour, Mohammad Mosleh and Saeed Rasouli Heikalabad, 2019, "Robust QCA full-adders using an efficient fault-tolerant five-input majority gate", *International Journal of Circuit Theory and Applications* (Publisher: Wiley, Quartile 2(Q2), Impact Factor:1.554)
70. Taban Moghimizadeh and Mohammad Mosleh, 2019, "A novel design of fault-tolerant RAM cell in quantum-dot cellular automata with physical verification", *The Journal of Supercomputing*, (Publisher: Springer, Quartile 2(Q2), Impact Factor: 2.157)

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