1. Benioff, P.: The Computer as a Physical System: A Microscopic Quantum Mechanical Hamiltonian Model of Computers as Represented by Turing Machines. In: Journal of Statistical Physics. 22 (5): 563–591. Bibcode:1980JSP....22..563B. doi:10.1007/bf01011339 (1980)
2. Feynman, R.P.: Simulating Physics with Computers. In: International Journal of Theoretical Physics, VoL 21, Nos. 6/7, (1982)
3. Unruh, W.G.: Maintaining Coherence in Quantum Computers. In: The American Physical Society (1995)
4. DiVincenzo, D.P.: Quantum Computation. In: Science. 270 (5234): 255–261. Bibcode:1995Sci...270..255D. CiteSeerX 10.1.1.242.2165. doi:10.1126/science.270.5234.255. (1995)
5. Ozhigov, Y.: Quantum Computers Speed Up Classical with Probability Zero. In: Chaos, Solitons & Fractals. 10 (10): 1707–1714. arXiv:quant-ph/9803064. Bibcode:1998quant.ph..3064O. doi:10.1016/S0960-0779(98)00226-4. (1998)
6. Imamoğlu, A., Awschalom, D.D., Burkard, G., DiVincenzo, D.P., Loss, D., Sherwin, M., Small, A.: Quantum information processing using quantum dot spins and cavity-QED. In: Physical Review Letters. 83 (20): 4204–4207. arXiv:quant-ph/9904096. Bibcode:1999PhRvL..83.4204I. doi:10.1103/PhysRevLett.83.4204. (1999)
7. DiVincenzo, D.P.: The Physical Implementation of Quantum Computers. In: Fortschritte der Physik. 48 (9–11): 771–783. arXiv: quant-ph/0002077. Bibcode:2000ForPh..48..771D. doi:10.1002/1521-3978(200009)48:9/11<771::AID-PROP771>3.0.CO;2-E. (2000)
8. Fedichkin, L., Yanchenko, M., Valiev, K.A.: Novel coherent quantum bit using spatial quantization levels in semiconductor quantum dot. In: Quantum Computers and Computing. 1: 58–76. arXiv:quant-ph/0006097. (2000)
9. Ionicioiu, R., Amaratunga, G., Udrea, F.: Quantum Computation with Ballistic Electrons. In: International Journal of Modern Physics B. 15 (2): 125–133. arXiv:quant-ph/0011051. Bibcode:2001IJMPB..15..125I. doi:10.1142/s0217979201003521. ISSN 0217-9792. (2000)
10. Leuenberger, M.N., Loss, D.: Quantum computing in molecular magnets. In: Nature. 410 (6830): 789–93. arXiv:cond-mat/0011415. Bibcode:2001Natur.410..789L. doi:10.1038/35071024. PMID 11298441. (2001)
11. Freedman, M.H., Kitaev, A., Larsen, M.J., Wang, Z.: Topological quantum computation. In: Bulletin of the American Mathematical Society. 40 (1): 31–38. arXiv:quant-ph/0101025. doi:10.1090/S0273-0979-02-00964-3. MR 1943131. (2002)
12. Ohlsson, N., Mohan, R.K., Kröll, S.: Quantum computer hardware based on rare-earth-ion-doped inorganic crystals. In: Opt. Commun. 201 (1–3): 71–77. Bibcode:2002OptCo.201...71O. doi:10.1016/S0030-4018(01)01666-2. (2002)
13. Kaminsky, W.M., Lloyd, S., Orlando, T.P.: Scalable Superconducting Architecture for Adiabatic Quantum Computation. In: arXiv:quant-ph/0403090. (2004)
14. Franklin, D., Chong, F.T.: Challenges in Reliable Quantum Computing. In: Nano, Quantum and Molecular Computing. Springer. pp. 247–266. ISBN 978-1-4020-8067-8. (2004)
15. Ramamoorthy, A., Bird, J.P., Reno, J.L.: Using split-gate structures to explore the implementation of a coupled-electron-waveguide qubit scheme. In: Journal of Physics: Condensed Matter. 19 (27): 276205. Bibcode:2007JPCM...19A6205R. doi:10.1088/0953-8984/19/27/276205. ISSN 0953-8984. (2007)
16. Nayak, C., Simon, S.H., Stern, A., Freedman, M., Sarma, S.D.: Non-Abelian Anyons and Topological Quantum Computation. In: arXiv:0707.1889v2 (2008)
17. Das, A., Chakrabarti, B.K.: Quantum Annealing and Analog Quantum Computation. In: Rev. Mod. Phys. 80 (3): 1061–1081. arXiv:0801.2193. Bibcode:2008RvMP...80.1061D. CiteSeerX 10.1.1.563.9990. doi:10.1103/RevModPhys.80.1061. (2008)
18. Neumann, P., Mizouchi N., Rempp, F., Hemmer, P., Watanabe, H., Yamsaki, S., Jaques, V., Gaebel, T., Jelezko, F., Wrachtrup, J.: Multipartite Entanglement Among Single Spins in Diamond. In: Science. 320 (5881): 1326–1329. Bibcode:2008Sci...320.1326N. doi:10.1126/science.1157233. PMID 18535240. (2008).
19. Nielsen, M.A.; Chuang, I.L.: Quantum Computation and Quantum Information: 10th Anniversary Edition. Cambridge: In: Cambridge University Press. doi:10.1017/cbo9780511976667. ISBN 9780511976667. (2010)
20. Elleithy, K., Alattas, R.: Quantum Computing Hardware Implementation Methods: A Survey over Categories. In: ResearchGate. (2013)
21. Amy, M., Matteo, O.D., Gheorghiu, V., Mosca, M., Parent, A., Schanck, J.: Estimating the cost of generic quantum pre-image attacks on SHA-2 and SHA-3. In: arXiv:1603.09383[quant-ph]. (2016).
22. Wang, Y., Li, Y., Yin, Z., Zeng, B.: 16-qubit IBM universal quantum computer can be fully entangled. In: arXiv:1801.03782v3 [quant-ph]. (2018)
23. Boixo, S., Isakov, S.V., Smelyanskiy, V.N., Babbush, R., Ding, N., Jiang, Z., Bremner, M.J., Martinis, J.M., Neven, H.: Characterizing Quantum Supremacy in Near-Term Devices. In: Nature Physics. 14 (6): 595–600. arXiv:1608.00263. doi:10.1038/s41567-018-0124-x. (2018)
24. McArdle, S., Jones, T., Endo, S., Li, Y.,Benjamin, S.C., Yuan, X.: Variational ansatz-based quantum simulation of imaginary time evolution. In: npj Quantum Inf 5, 75 (2019). https://doi.org/10.1038/s41534-019-0187-2 (2019)
25. Arute, F., Arya, K., Babbush, R., Bacon, D., Bardin, J.C., Barends, R., Biswas, R., Boixo, S., Brandao, F.G.S.L., Buell, D.A., Burkett, B., Chen, Y., Chen, Z., Chiaro, B., Collins, R., Courtney, W., Dunsworsth, A., Farhi, E., Foxen, B., Fowler, A., Gidney, C., Giustina, M.,; Graff, R.,; Guerin, K., Habegger, S., Harrigan, M.P.; Hartmann, M.J., Ho, A., Hoffman, M., Huang, T., Humble, T.S., Isakov, S.V., Jeffery, E., Jiang, Z., Kafri, D., Kechedzhi, K., Kelly, J., Klimov, P.V., Knysh, S., Korotov, A., Kostritsa, F., Landhuis, D., Lindmark, M., Lucero, E., Lyakh, D., Mandrà, S., McClean, J.R., McEwen, M., Megrant, A., Mi, X., Michielsen, K., Mohseni, M., Mutus, J., Naaman, O., Neeley, M., Neill, C., Niu, M.Y., Ostby, E., Petukhov, A., Platt, J.C., Quintana, C., Rieffel, E.G., Roushan, P., Rubin, N.C., Sank, D., Satzinger, K.J., Smelyanskiy, V., Sung, K.J., Trevithick, M.D., Vainsencher, A., Villalonga, B., White, T., Yao, Z.J., Yeh, P., Zalcman, A., Neven, H., Martinis, J.M.: Quantum supremacy using a programmable superconducting processor. In: Nature. 574 (7779): 505–510. arXiv:1910.11333. Bibcode:2019Natur.574..505A. doi:10.1038/s41586-019-1666-5. PMID 31645734. (2019)