

TWELVE MOST CITED PUBLICATIONS (as of August 25, 2009)

Jacek M. Zurada
Distinguished University Scholar

- [1] J.M. Zurada, Introduction to Artificial Neural Systems. West: St. Paul, MN, 1992.
Times Cited by ISI Web of Knowledge: 1059 **Times Cited by Google Scholar: 1864**
- [2] Y. M. Kadah, A. A. Farag, J. M. Zurada, A. Youssef, and A. Badawi, "Classification algorithms for quantitative tissue characterization of diffuse liver disease from ultrasound images," IEEE Trans. Medical Imaging, vol. 15, no. 4, pp. 466-478, August 1996.
Times Cited by ISI Web of Knowledge: 72 **Times Cited by Google Scholar: 113**
- [3] S. Jankowski, A. Lozowski, and J. M. Zurada, "Complex-valued multistate neural associative memory," IEEE Trans. Neural Networks, vol. 7, no. 6, pp. 1491-1496, November 1996.
Times Cited by ISI Web of Knowledge: 64 **Times Cited by Google Scholar: 89**
- [4] J. M. Zurada, A. Malinowski, and S. Usui, "Perturbation method for deleting redundant inputs of perceptron networks," Neurocomputing, vol. 14, no. 2, pp. 177-193, February 1997.
Times Cited by ISI Web of Knowledge: 60 **Times Cited by Google Scholar: 59**
- [5] M. E. Brier, J. M. Zurada, and G. R. Aronoff, "Neural network-predicted peak and trough gentamycin concentration," Pharm. Res., vol. 12, no. 3, pp. 406-412, March 1995.
Times Cited by ISI Web of Knowledge: 48 **Times Cited by Google Scholar: 52**
- [6] M.P. Wachowiak, R. Smolikova, Y.F. Zheng, J.M. Zurada, A.S. Elmaghraby, "An Approach Multimodal Biomedical Image Registration Utilizing Particle Swarm Optimization", IEEE Trans. Evolutionary Computation, vol. 8, no. 3, pp. 289-301, June 2004
Times Cited by ISI Web of Knowledge: 48 **Times Cited by Google Scholar: 98**
- [7] I. Cloete and J. M. Zurada, "Knowledge-based Neurocomputing", MIT Press: Cambridge, MA, 2000.
Times Cited by ISI Web of Knowledge: 47 **Times Cited by Google Scholar: 84**
- [8] J. M. Zurada and C. J. Robinson, "Computational Intelligence: Imitating Life," IEEE Press: Piscataway, NJ, 1994.
Times Cited by ISI Web of Knowledge: 45 **Times Cited by Google Scholar: 107**
- [9] R. Setiono, W. K. Leow, and J. M. Zurada, "Extraction of rules from artificial neural networks for nonlinear regression," IEEE Trans. Neural Networks, vol. 13, no. 3, pp. 564-577, May 2002.
Times Cited by ISI Web of Knowledge: 45 **Times Cited by Google Scholar: 79**
- [10] Y. Tan, J. Wang, and J. M. Zurada, "Nonlinear blind source separation using a radial basis function network," IEEE Trans. Neural Networks, vol. 11, no. 1, pp. 124-134, January 2001.
Times Cited by ISI Web of Knowledge: 40 **Times Cited by Google Scholar: 88**
- [11] W. Duch, R. Setiono, J.M. Zurada, "Computational intelligence methods for rule-based data understanding," IEEE Trans. Neural Networks, vol. 11, no. 1, pp. 124-134, January 2001.
Times Cited by ISI Web of Knowledge: 38 **Times Cited by Google Scholar: 53**
- [12] M.K. Muezzinoglu, C. Guzelis, J.M. Zurada, "A new design method for the complex-valued multistate Hopfield associative memory," IEEE Trans. Neural Networks, vol. 14, no. 4, pp. 891-899, July 2003.
Times Cited by ISI Web of Knowledge: 32 **Times Cited by Google Scholar: 44**

10 MOST CITED PUBLICATIONS (as of June 21, 2009)

Jacek M. Zurada
Distinguished University Scholar

- [1] J.M. Zurada, Introduction to Artificial Neural Systems. West: St. Paul, MN, 1992.
Times Cited by ISI Web of Knowledge: 1032 **Times Cited by Google Scholar: 1511**
- [2] Y. M. Kadah, A. A. Farag, J. M. Zurada, A. Youssef, and A. Badawi, "Classification algorithms for quantitative tissue characterization of diffuse liver disease from ultrasound images," IEEE Trans. Medical Imaging, vol. 15, no. 4, pp. 466-478, August 1996.
Times Cited by ISI Web of Knowledge: 70 **Times Cited by Google Scholar: 102**
- [3] S. Jankowski, A. Lozowski, and J. M. Zurada, "Complex-valued multistate neural associative memory," IEEE Trans. Neural Networks, vol. 7, no. 6, pp. 1491-1496, November 1996.
Times Cited by ISI Web of Knowledge: 64 **Times Cited by Google Scholar: 83**
- [4] J. M. Zurada, A. Malinowski, and S. Usui, "Perturbation method for deleting redundant inputs of perceptron networks," Neurocomputing, vol. 14, no. 2, pp. 177-193, February 1997.
Times Cited by ISI Web of Knowledge: 60 **Times Cited by Google Scholar: 60**
- [5] M. E. Brier, J. M. Zurada, and G. R. Aronoff, "Neural network-predicted peak and trough gentamycin concentration," Pharm. Res., vol. 12, no. 3, pp. 406-412, March 1995.
Times Cited by ISI Web of Knowledge: 48 **Times Cited by Google Scholar: 50**
- [6] M.P. Wachowiak, R. Smolikova, Y.F. Zheng, J.M. Zurada, A.S. Elmaghraby, "An Approach Multimodal Biomedical Image Registration Utilizing Particle Swarm Optimization", IEEE Trans. Evolutionary Computation, vol. 8, no. 3, pp. 289-301, June 2004
Times Cited by ISI Web of Knowledge: 47 **Times Cited by Google Scholar: 76**
- [7] I. Cloete and J. M. Zurada, "Knowledge-based Neurocomputing", MIT Press: Cambridge, MA, 2000.
Times Cited by ISI Web of Knowledge: 47 **Times Cited by Google Scholar: 84**
- [8] J. M. Zurada and C. J. Robinson, "Computational Intelligence: Imitating Life," IEEE Press: Piscataway, NJ, 1994.
Times Cited by ISI Web of Knowledge: 45 **Times Cited by Google Scholar: 100**
- [9] R. Setiono, W. K. Leow, and J. M. Zurada, "Extraction of rules from artificial neural networks for nonlinear regression," IEEE Trans. Neural Networks, vol. 13, no. 3, pp. 564-577, May 2002.
Times Cited by ISI Web of Knowledge: 44 **Times Cited by Google Scholar: 74**
- [10] Y. Tan, J. Wang, and J. M. Zurada, "Nonlinear blind source separation using a radial basis function network," IEEE Trans. Neural Networks, vol. 11, no. 1, pp. 124-134, January 2001.
Times Cited by ISI Web of Knowledge: 39 **Times Cited by Google Scholar: 83**

10 MOST CITED PUBLICATIONS (as of February 15, 2009)

Jacek M. Zurada
Distinguished University Scholar

- [1] J.M. Zurada, Introduction to Artificial Neural Systems. West: St. Paul, MN, 1992.
Times Cited by ISI Web of Knowledge: 990 **Times Cited by Google Scholar: 1374**
- [2] Y. M. Kadah, A. A. Farag, J. M. Zurada, A. Youssef, and A. Badawi, "Classification algorithms for quantitative tissue characterization of diffuse liver disease from ultrasound images," IEEE Trans. Medical Imaging, vol. 15, no. 4, pp. 466-478, August 1996.
Times Cited by ISI Web of Knowledge: 69 **Times Cited by Google Scholar: 90**
- [3] J. M. Zurada, A. Malinowski, and S. Usui, "Perturbation method for deleting redundant inputs of perceptron networks," Neurocomputing, vol. 14, no. 2, pp. 177-193, February 1997.
Times Cited by ISI Web of Knowledge: 58 **Times Cited by Google Scholar: 62**
- [4] S. Jankowski, A. Lozowski, and J. M. Zurada, "Complex-valued multistate neural associative memory," IEEE Trans. Neural Networks, vol. 7, no. 6, pp. 1491-1496, November 1996.
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Times Cited by ISI Web of Knowledge: 47 **Times Cited by Google Scholar: 83**
- [6] M. E. Brier, J. M. Zurada, and G. R. Aronoff, "Neural network-predicted peak and trough gentamycin concentration," Pharm. Res., vol. 12, no. 3, pp. 406-412, March 1995.
Times Cited by ISI Web of Knowledge: 47 **Times Cited by Google Scholar: 52**
- [7] J. M. Zurada and C. J. Robinson, "Computational Intelligence: Imitating Life," IEEE Press: Piscataway, NJ, 1994.
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- [8] M.P. Wachowiak, R. Smolikova, Y.F. Zheng, J.M. Zurada, A.S. Elmaghraby, "An Approach Multimodal Biomedical Image Registration Utilizing Particle Swarm Optimization", IEEE Trans. Evolutionary Computation, vol. 8, no. 3, pp. 289-301, June 2004
Times Cited by ISI Web of Knowledge: 42 **Times Cited by Google Scholar: 50**
- [9] R. Setiono, W. K. Leow, and J. M. Zurada, "Extraction of rules from artificial neural networks for nonlinear regression," IEEE Trans. Neural Networks, vol. 13, no. 3, pp. 564-577, May 2002.
Times Cited by ISI Web of Knowledge: 41 **Times Cited by Google Scholar: 75**
- [10] Y. Tan, J. Wang, and J. M. Zurada, "Nonlinear blind source separation using a radial basis function network," IEEE Trans. Neural Networks, vol. 11, no. 1, pp. 124-134, January 2001.
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MOST CITED PUBLICATIONS (as of March 25, 2007)

Jacek M. Zurada
Distinguished University Scholar

- [1] J.M. Zurada, *Introduction to Artificial Neural Systems*. West: St. Paul, MN, 1992.
Times Cited by ISI Web of Knowledge: 598 **Times Cited by Google Scholar: 1053**
- [2] M. E. Brier, J. M. Zurada, and G. R. Aronoff, "Neural network-predicted peak and trough gentamycin concentration," *Pharm. Res.*, vol. 12, no. 3, pp. 406-412, March 1995.
Times Cited by ISI Web of Knowledge: 41 **Times Cited by Google Scholar: 38**
- [3] Y. M. Kadah, A. A. Farag, J. M. Zurada, A. Youssef, and A. Badawi, "Classification algorithms for quantitative tissue characterization of diffuse liver disease from ultrasound images," *IEEE Trans. Medical Imaging*, vol. 15, no. 4, pp. 466-478, August 1996.
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- [4] J. M. Zurada, A. Malinowski, and S. Usui, "Perturbation method for deleting redundant inputs of perceptron networks," *Neurocomputing*, vol. 14, no. 2, pp. 177-193, February 1997.
Times Cited by ISI Web of Knowledge: 33 **Times Cited by Google Scholar: 34**
- [5] S. Jankowski, A. Lozowski, and J. M. Zurada, "Complex-valued multistate neural associative memory," *IEEE Trans. Neural Networks*, vol. 7, no. 6, pp. 1491-1496, November 1996.
Times Cited by ISI Web of Knowledge: 27 **Times Cited by Google Scholar: 41**
- [6] J. M. Zurada and C. J. Robinson, "Computational Intelligence: Imitating Life," IEEE Press: Piscataway, NJ, 1994.
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- [7] Y. Tan, J. Wang, and J. M. Zurada, "Nonlinear blind source separation using a radial basis function network," *IEEE Trans. Neural Networks*, vol. 11, no. 1, pp. 124-134, January 2001.
Times Cited by ISI Web of Knowledge: 21 **Times Cited by Google Scholar: 62**
- [8] M. K. Muezzinoglu, C. Guzelis, and J. M. Zurada, "A new design method for complex-valued multistate Hopfield associative memory," *IEEE Trans. Neural Networks*, vol. 14, no. 4, pp. 891-899, July 2003.
Times Cited by ISI Web of Knowledge: 15 **Times Cited by Google Scholar: 19**
- [9] Y. Li, J. Wang, J.M. Zurada, "Blind Extraction of Singularly Mixed Source Signals", *IEEE Transactions on Neural Networks*, vol.11, No.6, November 2000, pp.1413-1422
Times Cited by ISI Web of Knowledge: 16 **Times Cited by Google Scholar: 21**
- [10] I. Cloete and J. M. Zurada, "Knowledge-based Neurocomputing", MIT Press: Cambridge, MA, 2000.
Times Cited by ISI Web of Knowledge: 0 **Times Cited by Google Scholar: 51**
- [11] R. Setiono, W. K. Leow, and J. M. Zurada, "Extraction of rules from artificial neural networks for nonlinear regression," *IEEE Trans. Neural Networks*, vol. 13, no. 3, pp. 564-577, May 2002.
Times Cited by ISI Web of Knowledge: 18 **Times Cited by Google Scholar: 40**