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# TOP25 articles within the journal: Computer Aided Design

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1. **A product information modeling framework for product lifecycle management** • **Article**
   *Computer Aided Design, Volume 37, Issue 13, 1 November 2005, Pages 1399-1411*
   Sudarsan, R.; Fenves, S.J.; Sriram, R.D.; Wang, F.
2. **A C-tree decomposition algorithm for 2D and 3D geometric constraint solving** • **Article**
   *Computer Aided Design, Volume 38, Issue 1, 1 January 2006, Pages 1-13*
   Gao, X.S.; Lin, Q.; Zhang, G.F.
3. **Manipulation of CAD surface models with haptics based on shape control functions** • **Article**
   *Computer Aided Design, Volume 37, Issue 14, 1 December 2005, Pages 1447-1458*
   Liu, X.; Dodds, G.; McCartney, J.; Hinds, B.K.
4. **Parametric interpolation using sampled data** • **Article**
   *Computer Aided Design, Volume 38, Issue 1, 1 January 2006, Pages 39-47*
   Jeong, S.Y.; Choi, Y.J.; Park, P.
5. **Bio-CAD modeling and its applications in computer-aided tissue engineering** • **Article**
   *Computer Aided Design, Volume 37, Issue 11, 1 September 2005, Pages 1097-1114*
   Sun, W.; Starly, B.; Nam, J.; Darling, A.
6. **Collaborative product innovation: integrating elements of CPI via PLM framework** • **Article**
   *Computer Aided Design, Volume 37, Issue 13, 1 November 2005, Pages 1425-1434*
   Sharma, A.
7. **Industrial geometry: recent advances and applications in CAD** • **Article**
   *Computer Aided Design, Volume 37, Issue 7, 1 June 2005, Pages 751-766*
   Pottmann, H.; Leopoldseder, S.; Hofer, M.; Steiner, T.; Wang, W.
8. **Geometric constraints within feature hierarchies** • **Article**
   *Computer Aided Design, Volume 38, Issue 1, 1 January 2006, Pages 22-38*
   Sitharam, M.; Oung, J.J.; Zhou, Y.; Arbree, A.
9. **Application of micro CT and computation modeling in bone tissue engineering** • **Article**
   *Computer Aided Design, Volume 37, Issue 11, 1 September 2005, Pages 1151-1161*
   Tuan, H.S.; Hutmacher, D.W.
10. **Geometric and biomechanical analysis for computer-aided design of assistive medical devices** • **Article**
    *Computer Aided Design, Volume 37, Issue 14, 1 December 2005, Pages 1521-1532*

Yoo, T.D.; Kim, E.; Han, J.; Bogen, D.K.

11. **Collaborative computer-aided design-research and development status** • **Article**
*Computer Aided Design, Volume 37, Issue 9, 1 August 2005, Pages 931-940*
Li, W.D.; Lu, W.F.; Fuh, J.Y.H.; Wong, Y.S.

12. **Shape-based searching for product lifecycle applications** • **Article**
*Computer Aided Design, Volume 37, Issue 13, 1 November 2005, Pages 1435-1446*
Iyer, N.; Jayanti, S.; Lou, K.; Kalyanaraman, Y.; Ramani, K.

13. **Virtual situation rooms: connecting people across enterprises for supply-chain agility** • **Article**
*Computer Aided Design, Volume 32, Issue 2, 1 February 2000, Pages 109-117*
Tolone, W.J.

14. **Algorithms for the physical rendering and assembly of octree models** • **Article**
*Computer Aided Design, Volume 38, Issue 1, 1 January 2006, Pages 69-85*
Medellin, H.; Corney, J.; Davies, J.B.C.; Lim, T.; Ritchie, J.M.

15. **Three-dimensional shape searching: state-of-the-art review and future trends** • **Article**
*Computer Aided Design, Volume 37, Issue 5, 1 April 2005, Pages 509-530*
Iyer, N.; Jayanti, S.; Lou, K.; Kalyanaraman, Y.; Ramani, K.

16. **Ten challenges in computer-aided design** • **Article**
*Computer Aided Design, Volume 37, Issue 4, 1 April 2005, Pages 461-470*
Piegl, L.A.

17. **A CAD-CAE integration approach using feature-based multi-resolution and multi-abstraction modelling techniques** • **Article**
*Computer Aided Design, Volume 37, Issue 9, 1 August 2005, Pages 941-955*
Lee, S.H.

18. **Towards the standardized exchange of parameterized feature-based CAD models** • **Article**
*Computer Aided Design, Volume 37, Issue 12, 1 October 2005, Pages 1251-1265*
Pratt, M.J.; Anderson, B.D.; Ranger, T.

19. **Constrained fitting for 2D profile-based reverse modeling** • **Article**
*Computer Aided Design*
Ke, Y.; Zhu, W.; Liu, F.; Shi, X.

20. **A quasi-Monte Carlo method for computing areas of point-sampled surfaces** • **Article**
*Computer Aided Design, Volume 38, Issue 1, 1 January 2006, Pages 55-68*
Liu, Y.S.; Yong, J.H.; Zhang, H.; Yan, D.M.; Sun, J.G.

21. **Advances in collaborative CAD: the-state-of-the art** • **Article**
*Computer Aided Design, Volume 37, Issue 5, 1 April 2005, Pages 571-581*
Fuh, J.Y.H.; Li, W.D.

22. **A Web-based process planning optimization system for distributed design** • **Article**
*Computer Aided Design, Volume 37, Issue 9, 1 August 2005, Pages 921-930*
Li, W.D.; Ong, S.K.; Nee, A.Y.C.

23. **Automatic layout design of plastic injection mould cooling system** • **Article**
*Computer Aided Design, Volume 37, Issue 7, 1 June 2005, Pages 645-662*
Li, C.L.; Li, C.G.; Mok, A.C.K.

24. **Cross-sectional design with curvature constraints** • **Article**
*Computer Aided Design, Volume 37, Issue 14, 1 December 2005, Pages 1499-1508*
Bentamy, A.; Guibault, F.; Trepanier, J.Y.

25. **CAD tools for aesthetic engineering** • **Article**
*Computer Aided Design, Volume 37, Issue 7, 1 June 2005, Pages 737-750*
Sequin, C.H.