

Masahiko Onosato

List of Publications by Year in descending order

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43
papers

245
citations

1937685

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h-index

1125743

13
g-index

44
all docs

44
docs citations

44
times ranked

138
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Development of a Virtual Manufacturing System by Integrating Product Models and Factory Models. CIRP Annals - Manufacturing Technology, 1993, 42, 475-478. | 3.6 | 121 |
| 2 | Aerial Robots for Quick Information Gathering in USAR. , 2006, , . | | 24 |
| 3 | Coordinative Generation of Machining and Fixturing Plans by a Modularized Problem Solver. CIRP Annals - Manufacturing Technology, 1998, 47, 437-440. | 3.6 | 10 |
| 4 | Two attempts at linking robots with disaster information: InfoBalloon and gareki engineering. Advanced Robotics, 2002, 16, 545-548. | 1.8 | 9 |
| 5 | Digital gareki archives: An approach to know more about collapsed houses for supporting search and rescue activities. , 2012, , . | | 9 |
| 6 | Performance comparison of physics engines to accelerate house-collapsing simulations. , 2016, , . | | 9 |
| 7 | Analysis of ISO 6983 NC Data Based on ISO 14649 CNC Data Model. , 2006, , 109-114. | | 7 |
| 8 | Modeling and implementation of Digital Semantic Models for 5-axis machining application. , 2006, , . | | 6 |
| 9 | Flexible Control of Multimaterial Tetrahedral Mesh Properties by Using Multiresolution Techniques. IEEE Transactions on Magnetics, 2009, 45, 1352-1355. | 2.1 | 6 |
| 10 | Visualizing the Postural Stability of a Digital Human in Working. , 2003, , . | | 4 |
| 11 | Systematic Approach to Contour-Parallel Tool Path Generation of 2.5-D Pocket with Islands. Computer-Aided Design and Applications, 2005, 2, 213-222. | 0.6 | 4 |
| 12 | Development of a Digital Machining Information Model to Support a Real-Virtual Machining System. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2008, 2, 597-608. | 0.7 | 4 |
| 13 | Fast matching, combinations extraction and configuration of mesh models using graph-based feature representation. International Journal on Interactive Design and Manufacturing, 2011, 5, 133-136. | 2.2 | 4 |
| 14 | In-process visualization of machining state with sensor-based simulation to support the recognition ability of operators. , 2001, , 389-394. | | 3 |
| 15 | Development of process planning and machining system for machine-independent STEP-NC data. , 2009, , . | | 2 |
| 16 | Probabilistic land cover classification approach toward knowledge-based satellite data interpretations. , 2012, , . | | 2 |
| 17 | Direct construction of a four-dimensional mesh model from a three-dimensional object with continuous rigid body movement. Journal of Computational Design and Engineering, 2014, 1, 96-102. | 3.1 | 2 |
| 18 | A comprehensive approach for managing feasible solutions in production planning by an interacting network of Zero-Suppressed Binary Decision Diagrams. Journal of Computational Design and Engineering, 2015, 2, 105-112. | 3.1 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Comprehensive representation of feasible combinations of alternatives for dynamic production planning using Zero-Suppressed Binary Decision Diagram. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2014, 8, JAMDSM0061-JAMDSM0061. | 0.7 | 1 |
| 20 | Title is missing!. Journal of the Robotics Society of Japan, 2004, 22, 572-573. | 0.1 | 1 |
| 21 | Cyber Field Engineering“Current Status and the Future”. Journal of the Japan Society for Precision Engineering, 2010, 76, 1121-1124. | 0.1 | 1 |
| 22 | D025 Comprehensive representation of feasible combinations of alternatives for dynamic production planning using Zero-suppressed Binary Decision Diagram. Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21, 2013, 2013.7, 559-564. | 0.0 | 1 |
| 23 | Customization of a Micro Process Planning System for an Actual Machine Tool based on Updating a Machining Database and Generating a Database-Oriented Planning Algorithm. Transactions of the Institute of Systems Control and Information Engineers, 2013, 26, 87-94. | 0.1 | 1 |
| 24 | Open System Architecture for Virtual Shop Floor and its Modular and Distributed Simulation System. , 1997, , 499-508. | | 1 |
| 25 | A Study on Evaluating the Traversing Performance of Rescue Robots Moving over Rubble Fields with Various Features. Transactions of the Society of Instrument and Control Engineers, 2015, 51, 16-23. | 0.2 | 1 |
| 26 | Development of a Time Information Modeling System.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1997, 63, 4394-4401. | 0.2 | 0 |
| 27 | An Objective Index of Painfulness at Pectoral Limb Combining Biomechanical and Physiological Evaluations during Working. , 2000, , . | | 0 |
| 28 | Parametric Deformation of Mesh Models for Efficient CAE. , 2006, , . | | 0 |
| 29 | Analysis of ISO 6983 NC Data Based on ISO 14649 CNC Data Model. , 2006, , . | | 0 |
| 30 | Case studies of automatic change detection using AVNIR-2 onboard ALOS. , 2010, , . | | 0 |
| 31 | Real-time house-collapsing simulations based on performance evaluation of physics engines. Transactions of the JSME (in Japanese), 2018, 84, 17-00480-17-00480. | 0.2 | 0 |
| 32 | A study on an object pointing method combining a real space and a virtual space. The Proceedings of the JSME Annual Meeting, 2004, 2004.7, 255-256. | 0.0 | 0 |
| 33 | Information embedding onto and retrieving from 3D product models by mixed reality. The Proceedings of the JSME Annual Meeting, 2004, 2004.7, 241-242. | 0.0 | 0 |
| 34 | 1302 Development of A Universal Representation Method for Three Dimensional Partial Regions and the Suitable Interface Device. The Proceedings of Design & Systems Conference, 2005, 2005.15, 108-111. | 0.0 | 0 |
| 35 | 2417 A Study on Universal Pointing in the Mixed Work Space with Entities and Representations. The Proceedings of Design & Systems Conference, 2005, 2005.15, 418-419. | 0.0 | 0 |
| 36 | Data transformation from ISO6983 data to ISO14649 to obtain machining knowledge using EXPRESS-X(Manufacturing systems and Scheduling). Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21, 2005, 2005.2, 415-420. | 0.0 | 0 |

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|----|---|-----|-----------|
| 37 | Development of a Digital Machining Information Model to Support a Real-Virtual Machining System. Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21, 2007, 2007.4, 9C339. | 0.0 | 0 |
| 38 | DETECTION OF UNCUT REGIONS IN POCKET MACHINING. , 2007, , 109-112. | | 0 |
| 39 | 3268 Computer aided operation planning for an actual machine tool based on updatable machining database and database oriented planning algorithm. Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21, 2011, 2011.6, _3268-1_- _3268-6_. | 0.0 | 0 |
| 40 | A Solution Method for Comprehensive Solution Candidates in Dynamic Production Planning by Zero-Suppressed Binary Decision Diagrams. Transactions of the Institute of Systems Control and Information Engineers, 2015, 28, 107-115. | 0.1 | 0 |
| 41 | 1901 Tool swept volume generation for multi-axis machining with geometric errors based on the tangency condition. Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21, 2015, 2015.8, _1901-1_- _1901-6_. | 0.0 | 0 |
| 42 | On Formulation of Design and Planning Problems in Reconfigurable Manufacturing Systems by Hexagonal Bases. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, S1410103. | 0.0 | 0 |
| 43 | Error estimation of machined surfaces in multi-axis machining with machine tool errors including tool self-intersecting motion based on high-accuracy tool swept volumes. Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21, 2017, 2017.9, 087. | 0.0 | 0 |