

Most Cited CIRP-Annals Articles (1 May, 2019)

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3.	Asymmetric single point incremental forming of sheet metal J Jeswiet, F Micari, G Hirt, A Bramley, J Dufou, J. Allwood	2005 2	983
4.	Consolidation phenomena in laser and powder-bed based layered manufacturing. JP Kruth, G Levy, F Klocke, THC Childs	2007 2	982
5.	Progress in additive manufacturing and rapid prototyping JP Kruth, MC Leu, T Nakagawa	1998 2	979
6.	State of the art of micromachining T Masuzawa	2000 2	968
7.	Rapid manufacturing and rapid tooling with layer manufacturing (LM) technologies, state of the art and future perspectives GN Levy, R Schindel, JP Kruth	2003 2	963
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9.	Changeable manufacturing - classification, design and operation HP Wiendahl, HA ElMaraghy, P Nyhuis, M Zäh, H.H Wiendahl, N. Duffie, M. Brieke	2007 2	897
10.	Dry machining and minimum quantity lubrication K Weinert, I Inasaki, JW Sutherland, T Wakabayashi	2004 2	894
11.	Industrial product-service systems – IPS2 H Meier, R Roy, G Seliger	2010 2	862
12.	Microforming M Geiger, M Kleiner, R Eckstein, N Tiesler, U Engel	2001 2	817
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14.	Advanced monitoring of machining operations R Teti, K Jemielniak, G O'Donnell, D Dornfeld	2010 2	807
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18.	Geometric error measurement and compensation of machines—an update H Shinno, H Yoshioka, K Taniguchi	2008 2	744
19.	Chatter stability of metal cutting and grinding Y Altintas, M Weck	2004 2	738
20.	Advancing cutting technology G. Byme, D. Dornfeld, B Denkena	2003 2	709
21.	Material inprocess manufacturing by rapid prototyping techniques JP Kruth	1991 2	693

22.	Advancing EDM through fundamental insight into the process <u>M Kunieda, B Lauwers, KP Rajurkar, BM Schumache</u>	2005 2	655
23.	Agent-based systems for manufacturing <u>L Monostori, J Váncza, SRT Kumara</u>	2006 2	624
24.	Concurrent engineering <u>G Sohlenius</u>	1992 2	570
25.	<u>Design for mass customization</u> <u>MM Tseng, J Jiao, ME Merchant -</u>	1996 1	581
26.	A critical review of sensors for unmanned machining <u>J Tlusty, GC Andrews</u>	1983 2	555
27.	Surface integrity in material removal processes: Recent advances <u>IS Jawahir, E Brinksmeier, R M'saoubi, DK Aspinwall</u>	2011 2	540
28.	New developments in electro-chemical machining <u>KP Rajurkar, D Zhu, JA McGeough, J Kozak, A De Silva</u>	1999 2	535
29.	Design for assembly and disassembly <u>G Boothroyd, L Alting</u>	1992 2	520
30.	<u>High-speed machining</u> <u>H Schulz, T Moriwaki</u>	1992 2	507
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32.	Residual stresses—measurements and causes in machining processes <u>E Brinksmeier, JT Cammett, W König, P Leskovar</u>	1982 2	473
33.	Mirror surface grinding of silicon wafers with electrolytic in-process dressing <u>H Ohmori, T Nakagawa</u>	1990 2	461
34.	<u>Variable-gain cross-coupling controller for contouring</u> <u>Y Koren, CC Lo</u>	1991 1	458
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40.	Product modeling <u>FL Krause, F Kimura, T Kjellberg, SCY Lu, van der Wolf, L. Alting, H.A. ElMaraghy, W. Eversheim, K. Iwata, N.P. Suh, V.A. Tipnis, M. Week</u>	1993 2	383