

Author/s	Article	in
<b>2018</b>		
Abraham T., Bräuer G., Kretz F., Groche P.	Observation of the a-C:H run-in behaviour for dry forming applications of aluminium	ICNFT 2018-Bremen
Barz, J.; Reichle P.; Umlauf, G.; Günter, E. M. T	Laser Drilling of Tool Steel under Plasma Atmosphere	DMFOAJ (2018), Vol. 4, 9-12
Behrens, B.-A.; Maier, H. J.; Holländer, U.; Wulff, D.; Yilikiran, D.	Verfahren zum Oberflächenbeschichten eines Bauteils sowie Beschichtungseinrichtung	Patent
Behrens, B.-A.; Yilikiran, D.; Schöler, S.; Özkaya, F.; Hübner, S.; Möhwald, K.	Wear investigation of selective $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> oxide layers generated on surfaces for dry	17th International Conference on Metal Forming, 16-19 September
K. Bobzin, T. Brögelmann, N.C. Kruppe, D.C. Hoffmann, F. Klocke, P. Mattfeld, D. Trauth, R. Hild	Tribological Studies on Self-Lubricating (Cr,Al)N+Mo:S Coatings at Elevated Temperature	Surface & Coatings Technology 353 (2018) 282-291; Paper zum Poster der ICMCTF 2018
K. Bobzin, T. Brögelmann, N.C. Kruppe, D.C. Hoffmann, F. Klocke, T. Bergs, D. Trauth, R. Mannens, R. Hild	Tribologie selbstschmierender PVD-Schichten für die trockene Kaltmassivumformung	59. Tribologie-Fachtagung 2018 der GfT, Göttingen, Germany, In: Proceedings (2018) 47/1 – 47/12
Börner, R.; Winkler, S.; Junge, T.; Titsch, C.; Schubert, A.; Drossel, W.-G.	Generation of functional surfaces by using a simulation tool for surface prediction and micro structuring of cold-working steel with ultrasonic vibration assisted face milling.	Journal of Materials Processing Technology 255, S. 749–759 (2018)
Daniel J. Förster, Rudolf Weber, Daniel Holder, Thomas Graf	Estimation of the depth limit for percussion drilling with picosecond laser pulses	Optics express, 26 (9), 11546-11552.
Freiße, H.; Schmidt, S.; Seefeld, T.	Characterization of the tribological behaviour of tool surfaces depending on higher contact pressures	DMFOAJ (2018), Vol. 4, 52-58
Freiße, H; Seefeld, T	Tool surface with a supporting plateau of hard particles for deep drawing of high alloy steel	5th international conference on new forming technology ICNFT 2018. 18-21-September 2018, Bremen.
Tom Häfner, Benedict Rothhammer, Jennifer Tenner, Kim Krachenfels, Marion Merklein, Stephan Tremmel, Michael Schmidt	Adaption of tribological behavior of a-C:H coatings for application in dry deep drawing	MATEC Web of Conferences 190, 14002 (2018) <a href="https://doi.org/10.1051/mateconf/201819014002">https://doi.org/10.1051/mateconf/201819014002</a> ICNFT 2018
T. Häfner, J. Strauß, C. Roider, J. Heberle, M. Schmidt	Tailored laser beam shaping for efficient and accurate microstructuring	Applied Physics A (2018) 124:111 <a href="https://doi.org/10.1007/s00339-017-1530-0">https://doi.org/10.1007/s00339-017-1530-0</a>
R. Hild, A. Feuerhack, D. Trauth, D.C. Hoffmann, N.C. Kruppe, T. Brögelmann, K. Bobzin, F. Klocke	Influence of surface integrity on the plastic flow in analogous testing of 42CrMo4	ICNFT 2018, Bremen, Germany, In: MATEC Web of Conferences 190, 14009 (2018)
Herrmann, M.; Schenck, C.; Kuhfuss, B.	Graded Structured Tools for Dry Rotary Swaging	DMFOAJ (2018), Vol. 4, 18-24
I. Ross, A. Temmler, M. Küpper, S. Prünke, M. Teller, J.M. Schneider, R. Poprawe	Laser Polishing of Cold Work Steel AISI D2 for Dry Metal Forming Tools: Surface Homogenization, Refinement and Preparation for Self-Assembled Monolayers	Key Engineering Materials 767, S. 69-76
T. Jähmig, A. Mousavi, V. Lang, T. Kunze, A. Lasagni, A. Brosius	High-speed Direct Laser Interference Patterning of sheet metals for friction reduction in deep drawing processes	Dry Metal Forming Open Access Journal, Fast Manuscript Track
Klocke, F.; Hild, R.; Trauth, D.; Bobzin, K.; Brögelmann, T.; Kruppe, N.; Arghavani, M.	Einfluss von Oberflächenstrukturierungen auf die Stempelkraft beim Vollvorwärtsfließpressen von 16MnCr5	DMFOAJ (2018), Vol. 4, 25-30
Mathias Liewald, Christoph Wörz, Gerd Reichardt, Celalettin Karadogan, Benjamin Lindemann	Volatile Media as Lubricant Substitutes in Deep Drawing and Tracking of Individual Workpieces in Hot Forging Plants	International Conference on Production Research – 5th International Conference on Quality and Innovation in Engineering and Management (ICPR QIEM 2018)
A. Mousavi, K. Ridolfi, A. Brosius	Influence of alternating bending on springback behavior of parts in deep drawing process with macro-structured tools	5th International Conference on New Forming Technology (ICNFT), Bremen, 2018
Mousavi, A. Brosius	Improving the springback behavior of deep drawn parts by macro-structured tools	IDDRG-Waterloo, 2018
Mousavi, T. Sperk, T. Gietzelt, T. Kunze, A. Lasagni, A. Brosius	Effect of contact area on friction force in sheet metal forming operations	8th ICTMP in Elsinore, Denmark, 2018
M. Teller, I. Ross, A. Temmler, R. Poprawe, S. Prünke, J.M. Schneider, G. Hirt	Investigation of Friction Conditions in Dry Metal Forming of Aluminum by Extended Conical Tube-Upsetting Tests	Key Engineering Materials 767, S. 189-195
M. Teller, I. Ross, S. Prünke, A. Temmler, M. Küpper, R. Poprawe, J.M. Schneider, G. Hirt	Probing the potential of structured and surface functionalized tools for dry cold forging of aluminium	MATEC Web of Conferences 190, 14010
Prieske, M.; Börner, R.; Schubert, A.	Influence of the surface microstructure on the adhesion of a CVD diamond coating on steel with a CrN interlayer.	5th international conference on new forming technology ICNFT 2018. 18-21-September 2018, Bremen.
Prieske, M.; Hasselbruch, H.; Mehner, A.; Vollertsen, F.	Friction and wear performance of different carbon coatings for use in dry aluminium forming processes.	Surface and coatings technology (2018)
Prieske, M.; Vollertsen, F.	Force-displacement motions of a lubricated and dry tapering process of an AlMgSi1 alloy	DMFOAJ (2018), Vol. 4, 59-61

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Prieske, M.; Vollertsen, F.	CVD-diamond coatings with low electrical resistance by silicon incorporation	12th New Diamond and Nano Carbons Conference - NDNC 2018
Gerd Reichardt, Christoph Wörz, Mathias Liewald	Investigation of the Friction Conditions Occurring During Dry Deep Drawing Using Volatile Media as Lubrication Substitution	Advances in Production Research - Proceedings of WGP Congress 2018, 750-762
Schöler, S.; Wulff, D.; Yilkiran, D.; Behrens, B.-A.	Inductive heat treatment as an alternative tempering method for the selective oxidation of 1.2379 tool steel surfaces	DMFOAJ (2018), Vol. 4, 13-17
Schöler, S.; Wulff, D.; Yilkiran, D.; Behrens, B.-A.	Heat treatment as an alternative tempering method for the selective oxidation of	Dry Metal Forming Open Access Journal, FMT 4 (2018), pages 13-17
Schöler, S.; Yilkiran, D.; Wulff, D.; Özkaya, F.; Möhwald, K.; Behrens, B.-A.; Maier, H.J.	Selective oxidation of tool steel surfaces under a protective gas atmosphere	ICNFT 2018, 5th International Conference on New Forming
Schubert, A.; Berger, T.; Martin, A.; Hackert-Oschätzchen, M.; Treffkorn, N.; Kühn, R.	Surface Structuring of Boron Doped CVD Diamond by Micro Electrical Discharge Machining.	Proceedings of the 20th International ESAFORM Conference on Material Forming, AIP Conference Proceedings 1960 (2018) 080003
Teller, M.; Hirt, G.; Roß, I.; Küpper, M.; Temmler, A.; Poprawe, R.; Prünte, S.	Einfluss des Handpolierens von Probenkörpern auf Gestaltabweichungen erster Ordnung und das Verschleisverhalten in Tribometerversuchen	DMFOAJ (2018), Vol. 4, 31-34
Tenner, J.; Häfner, T.; Rothhammer, B.; Krachenfels, K.; Zhao, R.; Schmidt, M.; Tremmel, S.; Merklein, M.	Influence of laser generated micro textured coated tool surfaces on dry deep drawing processes	DMFOAJ (2018), Vol. 4, 35-46
Tröber, P.; Welm, M.; Weiss, H. A.; Demmel, P.; Golle, R.; Volk, W.	The influence of processparameters on the temperature development in the forming zone	MATEC Web ofConferences, V. 190, 2018, Art-Nr. 14004
Tröber, P.; Welm, M.; Weiss, H. A.; Demmel, P.; Golle, R.; Volk, W.	Einfluss verschiedener Prozessparameter auf die Temperaturentwicklung in der Umformzone beim Durchsetzen von Vergütungsstahl	DMFOAJ (2018), Vol. 4, 47-51
Georg Umlauf, Henning Hasselbruch, Jan Hinnerk Henze, Jakob Barz, Andreas Mehner	A new approach for dry metal forming: CO2 as volatile lubrication in combination with hard and low friction coatings	Paper for 5th International Conference on New Forming Technology - ICNFT 2018
Woerz, C.; Reichardt, G.; Liewald, M.; Zahedi, E.; Weber, R.; Graf, T.	Dry deep drawing of a rectangular cup assisted by volatile media injected from laser-drilled microholes	DMFOAJ (2018), Vol. 4, 1-8
Ehsan Zahedi, Christoph Wörz, Gerd Reichardt, Georg Umlauf, Mathias Liewald, Jakob Barz, Rudolf Weber, Thomas Graf	Lubricant-free deep drawing using CO2 and N2 as volatile media injected through laserdrilled microholes	Paper for the 5th International Conference on New Forming Technology - ICNFT 2018
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Almohallami, A.; Arghavani, M.; Böhmermann, F.; Freiße, H.; Herrmann, M.; Mousavi, S.A.; Schöler, S.; Scholz, P.; Tenner, J.; Teller, M.; Umlauf, G.; Wulff, D.; Yilkiran, D.; Maier, H.J.	<a href="#">How dry is dry? A critical analysis of surface conditions used in dry metal forming</a>	DMFOAJ (2017), 90-94
Bobzin, T. Brögelmann, N.C. Kruppe, M. Arghavani, D.C. Hoffmann, F. Klocke, P. Mattfeld, D. Trauth, D. Trauth, R. Hild	<a href="#">Influence of the bias voltage on the mechanical and tribological behavior of self-lubricating hybrid dcMS/HPPMS (Cr,Al)N coatings</a>	THE A Coatings 2017, Thessaloniki, Greece, In: Proceedings (2017) 149-158
Bobzin, K.; Brögelmann, T.; Kruppe, N.C.; Arghavani, M.; Hoffmann, D.C.; Klocke, F.; Mattfeld, P.; Trauth, D.; Hild, R.	<a href="#">Mechanical and tribological characterization of self-lubricating (Cr1 xAlx)N coatings for deposition on complex-shaped forging tools</a>	DMFOAJ (2017), 81-89
Böhmermann, F.; Hermann, M.; Riemer, O.; Kuhfuss, B.	<a href="#">Abrasive Particle Generation in Dry Rotary Swaging</a>	DMFOAJ (2017), 1-6
Börner, R.; Junge, T.; Schubert, A.	<a href="#">Oberflächensimulation und experimentelle Untersuchungen zur Mikrostrukturierung von Stahlwerkstoffen mittels schwingungsüberlagertem Planfräsen im Ultraschallbereich</a>	DMFOAJ (2017), 17-24
Freiße, H.; Hohenäcker, V.; Seefeld, T.; Vollertsen, F.	<a href="#">Laser generated tool surface out of metal matrix composite</a>	DMFOAJ (2017), 41-44
Freiße, H.; Vetter, K.; Seefeld, T.; Polte, M.; Polte, J	<a href="#">Production of a supporting plateau out of hard particles in a tool surface and its influence in dry sheet metal forming</a>	Proc. of the 7. WGP Jahreskongress, eds.: R. Schmitt, G. Schuh. Aprimus Verlag Aachen (2017) 527-534
Freiße, H.; Vetter, K.; Seefeld, T.; Vollertsen, F.	<a href="#">Applying laser dispersion and laser ablation to generate functional layers for deep drawing tools</a>	Lasers in Manufacturing (LIM17)
Guillaume, C.; Mousavi, A.; Brosius, A.	Hybrid Deep Drawing Tool for Lubricant Free Deep Drawing	20 th International ESAFORM Conference on Material Forming (2017)
Tom Häfner, Johannes Heberle, Daniel Holder, Michael Schmidt	Speckle reduction techniques in holographic beam shaping for accurate and efficient picosecond laser structuring	022205-2 J. Laser Appl., Vol. 29, No. 2, May 2017, 2017 Laser Institute of America
Tom Häfner, Johannes Heberle, Hubert Hautmann, Rong Zhao, Jennifer Tenner, Stephan Tremmel, Marion Merklein, Michael Schmidt	Effect of Picosecond Laser Based Modifications of Amorphous Carbon Coatings on Lubricant-free Tribological Systems	JLMN-Journal of Laser Micro/Nanoengineering Vol. 12, No. 2, 2017
R. Hild, A. Feuerhack, D. Trauth, M. Arghavani, N.C. Kruppe, T. Brögelmann, K. Bobzin, F. Klocke	Suitability of friction laws to simulate the influence of surface textures on the process force in cold forging	THE A Coatings 2017, Thessaloniki, Greece, In: Proceedings (2017) 103-112
R. Hild, A. Feuerhack, D. Trauth, M. Arghavani, N.C. Kruppe, T. Brögelmann, K. Bobzin, F. Klocke	Dry metal forming of low-alloy steels by full forward extrusion using innovative surface textures on workpieces and HPPMS coatings on tools	Vortrag bei ESAFORM 2017, Dublin, Ireland



<b>2017</b>		
Hild, R.; Feuerhack, A.; Trauth, D.; Arghavani, M.; Kruppe, N.C.; Brögelmann, T.; Bobzin, K.; Klocke, F.	Forward impact extrusion of surface textured steel blanks using coated tooling	ESAFORM 26.-28.04.2017, Dublin, Irland
Klocke, F.; Hild, R.; Trauth, D.; Bobzin, K.; Brögelmann, T.; Kruppe, N.; Arghavani, M.	<a href="#">Trockenumformung von 42CrS4 mittels Vollvorwärtsfließpressen durch strukturierte Halbzeugoberflächen und selbstschmierende Werkzeugbeschichtungen</a>	DMFOAJ (2017), 7-12
Kühn, R.; Berger, T.; Prieske, M.; Börner, R.; Hackert-Oschätzchen, M.; Zeidler, H.; Schubert, A.	<a href="#">Deposition and Micro Electrical Discharge Machining of CVD-Diamond Layers Incorporated with Silicon.</a>	20th International ESAFORM Conference on Material Forming, AIP Conference Proceedings 1896 (2017) 050012
Mousavi, A.; Kunze, T.; Roch, T.; Lasagni, A.; Brosius, A.	Deep drawing process without lubrication- an adapted tool for a stable, economic and environmentally friendly process	International Conference on the Technology of Plasticity, Cambridge, UK
Prieske, M. Müller, S.	<a href="#">Impact of the methane hydrogen ratio onto deposition temperature, growth rate and residual stress in an atmospheric laser-based plasma CVD process</a>	Proc. of the 28th International Conference on Diamond and Carbon Materials (DCM 2017) Göteborg, Sweden
Prieske, M.; Vollertsen, F.	<a href="#">Resistance modification of diamond through silicon incorporation.</a>	Lasers in Manufacturing (LIM17)
Roch, T.; Stepien, L.; Kunze, T.; Mousavi, A.; Topalski, S.; Lasagni, A.; Brosius, A.	<a href="#">Tool Optimization for Dry Forming Applications - Optimized Surface Preparation of ta-C</a>	DMFOAJ (2017), 25-29
Steiner, J.; Häfner, T.; Zhao, R.; Andreas, K.; Schmidt, M.; Tremmel, S.; Merklein, M.	<a href="#">Analysis of tool-sided surface modifications for dry deep drawing of deep drawing steel and aluminum alloys in a model process</a>	DMFOAJ (2017), 30-40
Teller, M.; Hirt, G.; Roß, I.; Temmler, A.; Poprawe, R.; Prünte, S.; Schneider, J.-M.	<a href="#">Konzept zur Bearbeitung und tribologischen Prüfung von Fließpressmatrizen für das Trockenumformen von Aluminium</a>	DMFOAJ (2017), 73-80
M. Teller, S. Prünte, I. Ross, A. Temmler, J.M. Schneider, G. Hirt	<a href="#">Tribological Investigations of the Applicability of Surface Functionalization for Dry Extrusion Processes</a>	AIP Conference Proceedings 1896, 140001, 2017
Temmler, A.; Roß, I.; Cortina, M.; Poprawe, R.	<a href="#">Oberflächenfunktionalisierung des Werkstoffs 1.2379+ mittels Randschichtumschmelzen mit Laserstrahlung zur Entwicklung von angepassten Oberflächentopographien für das schmiermittelfreie Kaltfließpressen von Aluminium</a>	DMFOAJ (2017), 62-72
J. Tenner, R. Zhao, S. Tremmel, T. Häfner, M. Schmidt, and M. Merklein	<a href="#">Tribological Behavior of Carbon Based Coatings Adapted to Lubricant-free Forming Conditions</a>	International Symposium on Green Manufacturing and Applications (ISGMA 2017)
Tenner, J.; Andreas, K.; Radius, A.; Merklein, M.	<a href="#">Numerical and experimental investigation of dry deep drawing of aluminum alloys with conventional and coated tool surfaces</a>	Procedia Engineering 207 (2017) 2245–2250
Tröber, P.; Demmel, P.; Hoffmann, H.; Golle, R.; Volk, W.	<a href="#">On the influence of Seebeckcoefficients on adhesive tool wear during sheet metal processing</a>	CIRP Annals -Manufacturing Technology, Vol. 66, 2017, S. 293-296.
Tröber, P.; Weiss, H.A.; Kopp, T.; Golle, R.; Volk, W.	<a href="#">On the correlation between thermoelectricity and adhesive tool wear during blanking of aluminum sheets</a>	International Journal of Machine Tools & Manufacture, Vol. 118-119, 2017, S. 91-97.
Tröber, P.; Demmel, P.; Weiss, H.A.; Golle, R.; Volk, W.	<a href="#">In-situ Temperaturmessung beim schmierstofffreien Durchsetzen von Vergütungsstahl</a>	DMFOAJ (2017), 13-16
S. Prünte, D. Music, J.M. Schneider, M. Teller, G. Hirt, P.H. Mutin, G. Ramanath	<a href="#">Decreasing friction during Al cold forming using a nanomolecular layer</a>	Journal of vacuum science & technology (JVST/A), Volume 35, Artikel-Nr.:020605, 2017
Yilkiran, D.; Wulff, D.; Almohallami, A.; Özkaya, F.; Bouguecha, A.; Hübner, S.; Möhwald, K.; Maier, H. J.; Behrens, B.-A.	<a href="#">Wear behaviour of thermally oxidised tool surfaces as low-friction separation layers</a>	Wear Vol. 376 – 377 (2017) 1789 – 1803. Elsevier
Yilkiran, D.; Wulff, D.; Özkaya, F.; Hübner, S.; Holländer, U.; Maier, H.J.; Behrens, B.-A.	<a href="#">Wear Testing of Thermally Oxidised Tool Steel Specimens with <math>\alpha</math>-Fe<sub>2</sub>O<sub>3</sub> Layers</a>	DMFOAJ (2017), 45-49
Wörz, C.; Zahedi, E.; Umlauf, G.; Liewald, M.; Weber, R.; Graf, T.; Tovar, G.	<a href="#">Tiefziehen eines U-Profiles mit flüchtigen Medien als Schmierstoffersatz</a>	DMFOAJ (2017), 50-61
Ehsan Zahedi, Rudolf Weber, Christian Freitag, Thomas Graf, Christoph Wörz, Georg Umlauf	<a href="#">Picosecond-laser drilling limits for deep precision microholes in tool steel</a>	Conference Proceeding, Lasers in Manufacturing Conference 2017
<b>2016</b>		
Abraham, T.; Bräuer, G.; Kretz, F.; Groche, P.	<a href="#">Evaluation of silicon-modified DLC coatings in a dry sliding contact against aluminum EN AW-5083</a>	DMFOAJ (2016), 11-17
Bobzin, K.; Brögelmann, T.; Brugnara, R. H.; Kruppe, N.; Bastürk, S.; Klocke, F.; Mattfeld, P.; Hild, R.; Trauth, D.	Influence of the Chemical Composition on the Properties of HPPMS (Cr1-x,Alx)N/WSy Coatings for the Application in Dry Cold Forging Processes	IFW 03/2016, ISBN 978-3-95900-072-7
Bobzin, K.; Brögelmann, T.; Kruppe, N. C.; Arghavani, M.; Bastürk, S.; Klocke, F.; Mattfeld, P.; Trauth, D.; Hild, R.	<a href="#">HPPMS (Cr1-xAlx)N+WSy Coatings for the Application in Dry Cold Forging of Steel: Sythesis and Raman Characterization</a>	DMFOAJ (2016), 72-77
Bobzin, K.; Brögelmann, T.; Kruppe, N.; Bastürk, S.; Klocke, F.; Mattfeld, P.; Trauth, D.; Hild, R.	Synthesis, Characterization, and Tribological Evaluation of HPPMS (Cr1-xAlx)N+MoSy Coatings	Surface and Coatings Technology 308 (2016), 383-393
Böhmermann, F.; Riemer, O.	<a href="#">Tribological Performance of Textured Micro Forming Dies</a>	DMFOAJ (2016), 67-71
Brosius, A.; Mousavi, A.	<a href="#">Lubricant free deep drawing process by macro structured tools</a>	CIRP Annals Manufacturing Technology 65 (2016), 253-256

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Freiße, H.; Langebeck, A.; Köhler, H.; Seefeld, T.	<a href="#">Dry strip drawing test on tool surfaces reinforced by hard particles</a>	DMFOAJ (2016), 1-6
Häfner, T.; Heberle, J.; Dobler, M.; Schmidt, M.	<a href="#">Influences on Incubation in ps Laser Micro-machining of Steel Alloys</a>	Journal of Laser Applications (2016), 0226051-0226056
Häfner, T.; Heberle, J.; Holder, D.; Schmidt, M.	Speckle reduction techniques in holographic beam shaping for accurate and efficient picosecond laser structuring	Journal of Laser Applications (2016)
Herrmann, M.; Ishkina, E. M. S.; Schenck, C.; Liu, Y.; Kuhfuß, B.	Werkstofffluss beim Rundkneten	23. Sächsischen Fachtagung Umformtechnik, SFU, 7.-8. Dezember in Dresden, (2016)
Herrmann, M.; Schenck, C.; Kuhfuß, B.	<a href="#">Dry rotary swaging with structured tools</a>	13th Global Conference on Sustainable Manufacturing - Decoupling Growth from Resource Use, Procedia CIRP 40 (2016), 654-659
Freiße, H.; Langebeck, A.; Köhler, H.; Seefeld, T.; Vollertsen, F.	<a href="#">Investigations on dry sliding of laser clad aluminum bronze Manufacturing Review 3</a>	13 (2016) 1-10
Klocke, F.; Hild, R.; Trauth, D.; Mattfeld, P.; Bobzin, K.; Brögelmann, T.; Kruppe, N.	<a href="#">Recommendations for Dry Forming of 16MnCr5 and 42CrMo4 in Cold Forging</a>	DMFOAJ (2016), 44-49
Kühn, R.; Prieske, M.; Zeidler, H.; Schubert, A.; Vollertsen, F.	<a href="#">Lokale Beeinflussung der Oberflächenrauheit von Silizium dotiertem CVD-Diamant durch funkenerosive Mikrobearbeitung</a>	DMFOAJ (2016), 50-55
Kunze, T.; Mousavi, A.; Stucky, T.; Böttcher, F.; Roch, T.; Schomäcker, M.; Lasagni, A.; Brosius, A.	Tool Optimization for Dry Forming Applications	The "A" Coatings - 12th International Conference in Manufacturing Engineering, ISBN: 978-3-95900-072-7, 201--207
Kunze, T.; Mousavi, A.; Stucky, Th.; Böttcher, F.; Roch, T.; Brosius, A.; Lasagni, A.	<a href="#">Tribological Optimization of Dry Forming Tools</a>	DMFOAJ (2016), 78-82
Lasagni, A. F.; Kunze, T.; Bieda, M.; Günther, D.; Gärtner, A.; Lang, V.; Rank, A.; Roch, T.	<a href="#">Large Area micro-/nano Structuring using Direct Laser Interference Patterning</a>	Proc. of SPIE, 9735, DOI: 10.1117/12.2214948 (2016)
Merklein, M.; Schmidt, M.; Tremmel, S.; Andreas, K.; Häfner, T.; Zhao, R.; Steiner, J.	<a href="#">Tailored modifications of amorphous carbon based coatings for dry deep drawing</a>	DMFOAJ (2016), 25-39
Prieske, M.	<a href="#">CVD diamond deposition under atmospheric conditions on steel with a silicon intermediate layer</a>	DMFOAJ (2016), 7-10
Prieske, M.	CVD diamond deposition under atmospheric conditions on steel with a silicon intermediate layer	Proceedings 12th international Conference The "A" Coatings (2016)
Prieske, M.; Vollertsen, F.	<a href="#">In situ incorporation of silicon into a CVD diamond layer deposited under atmospheric conditions</a>	Diamond and Related Materials 65 (2016), 47-52
Prieske, M.; Vollertsen, F.	Tribological performance of amorphous carbon and CVD-diamond against aluminum.	International Symposium on Green Manufacturing and Applications (ISGMA 2016), Gyeongju, Korea
Steiner, J.; Andreas, K.; Merklein, M.	<a href="#">Investigation of surface finishing of carbon based coated tools for dry deep drawing of aluminium alloys</a>	IOP Conference Series: Materials Science and Engineering 159 (2016), 1-10
Steiner, J.; Zhao, R.; Tremmel, S.; Merklein, M.: In: K. Bobzin, K.-D. Bouzakis, B. Denkena, H. J. Maier, M. Merklein (Hrsg.):	<a href="#">Investigation of Tribological Behavior of Carbon Coatings in Dry Sheet Metal Forming</a>	The "A" Coatings Conference Proceedings, PZH Verlag (2016), 153-160
Strauß, J.; Häfner, T.; Dobler, M.; Heberle, J.; Schmidt, M.	<a href="#">Evaluation and calibration of LCoS SLM for direct laser structuring with tailored intensity distributions</a>	Phys. Proc. 83 (2016), 1160-1169
M. Teller, R. Roeder, G. Hirt	<a href="#">Prozessnahe Charakterisierung von innovativen Oberflächen für das Trockenumformen</a>	Ideen Form geben: 31. ASK Umformtechnik, 2016, S. 345-354 ISBN 978-3-95886-082-7, 3-95886-082-6
Teller, M.; Hirt, G.; Roß, I.; Temmler, A.; Poprawe, Z.; Prünte, S.	<a href="#">Abschätzung der umformtechnischen Grenzen des schmierstofffreien Kaltfließpressens von Aluminium anhand von Tribometerversuchen</a>	DMFOAJ (2016), 56-61
Trauth, D.; Bastürk, S.; Hild, R.; Mattfeld, P.; Brögelmann, T.; Bobzin, K.; Klocke, F.	Evaluation of the Shear Stresses on Surface Structured Workpieces in Dry Forming using a Novel Pin-On-Cylinder Tribometer with Axial Feed	International Journal of Material Forming 9 (2016), 1-9, ISSN 1960-6206
Trauth, D.; Hild, R.; Mattfeld, P.; Bastürk, S.; Brögelmann, T.; Bobzin, K.; Klocke, F.	Advances in dry metal forming of low alloyed steels for cold forging using a (Cr, Al)N tool coating and surface structures on workpieces	The "A" Coatings (2016), 185-192, ISBN 978-3-95900-072-7
Tröber, P.; Golle, R.; Volk, W.	<a href="#">Experimental investigation on the thermoelectric current during embossing of Aluminum EN AW 1050</a>	DMFOAJ (2016), 40-43
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